

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS FILE WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

960403 Marathon to Cochrane eff. 12-1-25: 970307 conv. to Producing per Sundry
(FR WIN to POW)

COMMENCED 3-23-89

DATE FILED **10-03-83**

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. **U-31928** INDIAN _____

DRILLING APPROVED: **10-03-83 - OIL**

SPUDED IN: **10-14-83**

COMPLETED: **11-23-83 PGW** PUT TO PRODUCING: _____

INITIAL PRODUCTION: **310- BOPD, 336 MCF, 6 BWPD**

GRAVITY A.P.I. **44**

GOR: **1084/1**

PRODUCING ZONES: **5504-5562, ISMAY 5470-5562' ISmay**

TOTAL DEPTH: **5815'**

WELL ELEVATION: **5125'**

DATE ABANDONED: _____

FIELD: **UNDESIGNATED TIN CUP MESA**

UNIT: **TIN CUP MESA**

COUNTY: **SAN JUAN**

WELL NO. **TIN CUP MESA UNIT #4-26**

API #43-037-30941

LOCATION **1698' FNL** FT. FROM (N) (S) LINE. **720' FEL**

FT. FROM (E) (W) LINE. **SE NE** 1/4 - 1/4 SEC. **26**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
38S	25E	26	MARATHON OIL COMPANY <i>Cochrane Resources, Inc</i>				

GEOLOGIC TOPS:

QUATERNARY	Star Point	Chinle		Molas
Alluvium	Wahweap	Shinarump	2397	Manning Canyon
Lake beds	Masuk	Moenkopi	2469	Mississippian
Pleistocene	Colorado	Sinbad		Humbug
Lake beds	Sego	PERMIAN		Brazer
TERTIARY	Buck Tongue	Kaibab		Pilot Shale
Pliocene	Castlegate	Coconino		Madison
Salt Lake	Mancos	Cutler	2540	Leadville
Oligocene	Upper	Hoskinnini		Redwall
Norwood	Middle	DeChelly		DEVONIAN
Eocene	Lower	White Rim		Upper
Duchesne River	Emery	Organ Rock		Middle
Uinta	Blue Gate	Cedar Mesa		Lower
Bridger	Ferron	Halgait Tongue		Ouray
Green River	Frontier	Phosphoria		Elbert
	Dakota	Park City		McCracken
	Burro Canyon	Rico (Goodridge)		Aneth
	Cedar Mountain	Supai		Simonson Dolomite
	Buckhorn	Wolfcamp		Sevy Dolomite
	JURASSIC	CARBON I FEROUS		North Point
Wasatch	Morrison	Pennsylvanian		SILURIAN
Stone Cabin	Salt Wash	Oquirrh		Laketown Dolomite
Colton	San Rafael Gr.	Weber		ORDOVICIAN
Flagstaff	Summerville	Morgan		Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa		Pogonip Limestone
Almy	Curtis	honaker trail	4352	CAMBRIAN
Paleocene	Entrada	Pardox	5286	Lynch
Current Creek	Moab Tongue	Ismay	5442	Bowman
North Horn	Carmel	Desert Creek	5694	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	5793	Ophir
Montana	Navajo	Barker Creek		Tintic
Mesaverde	Kayenta	T.D.	5875	PRE - CAMBRIAN
Price River	Wingate	Cane Creek		
Blackhawk	TRIASSIC			

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
 OIL WELL GAS WELL OTHER
 SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 Marathon Oil Company

3. ADDRESS OF OPERATOR
 PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 1698' FNL & 720' FEL
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 8 miles northwest of Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
 720'

16. NO. OF ACRES IN LEASE
 760'

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 1/2 mile

19. PROPOSED DEPTH
 5820'

20. ROTARY OR CABLE TOOLS
 None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 5107' Ungraded Ground

22. APPROX. DATE WORK WILL START*
 SAP 4th Quarter 1983

5. LEASE DESIGNATION AND SERIAL NO.
 U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Tin Cup Mesa

8. FARM OR LEASE NAME
 Tin Cup Mesa Unit

9. WELL NO.
 4-26

10. FIELD AND POOL, OR WILDCAT
 UNDESIGNATED
 Tin Cup Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 26, T38S, R25E

12. COUNTY OR PARISH
 San Juan

13. STATE
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see Item #4 of 10-Point for complete casing and cementing record.				

Please see the following attachments:

1. Surveyor's Plat
2. Ten-Point Drilling Program
3. BOP Schematic
4. Thirteen-Point Surface Plan
5. Maps and Diagrams

The person responsible for NTL-6 is Walt West

Gov't Compliance
 Office: (307) 577-1555
 Home: (307) 235-1420

RECEIVED
 OCT 3 1983

DIVISION OF
 OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Doyle L. Jones TITLE District Operations Manager DATE September 26, 1983
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82502

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: --
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

KEEP-DO NOT DESTROY

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON*

-
-
-
-
-
-
-
-

(other) see below.

5. LEASE
U-31928 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
--

10. FIELD OR WILDCAT NAME
Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, 25, 26, T38S, R25E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.
--

15. ELEVATIONS (SHOW DF, KDB, AND WD)
--

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Sirs: We request approval to flare gas from our Tin Cup Mesa Field for a period of 30 days. Approval of this request will give us ample time to finish our pipeline and hookup. All cautionary measures will be taken and safety practices adhered to during this time of flaring.

The above request was discussed and verbal permission was given to Walt West, Marathon Oil Company, by Mr. Brian Wood, BLM, Monticello UT; Mr. Ron Firth, Utah State, Oil, Gas and Mining, Salt Lake City UT; and Mr. Bill Martiens, BLM, Salt Lake City UT, on September 27, 1983.

The starting date of this proposal would be November 1, 1983.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct District _____
SIGNED Daryl L. Jones TITLE Operations Manager DATE September 27, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 9/29/83
BY: [Signature]

RECEIVED

OCT - 5 1983

CASPER DISTRICT
OPERATIONS

RECEIVED

OCT - 5 1983
See Instructions on Reverse Side

CASPER DISTRICT
OPERATIONS
GOVERNMENT COMPLIANCE

MARATHON OIL COMPANY
DRILLING OPERATIONS PLAN

DATE: September 30, 1983

WELL NAME: Tin Cup Mesa #4-26

LOCATION: 1698' FNL & 720' FEL, Sec. 26, T38S, R25E, San Juan County, Utah

1. Geologic name of the formation:

Jurassic Morrison Formation

2. Estimated tops of important geological markers:

<u>Formation</u>	<u>Depth (KB)</u>	<u>Datum</u>
Carmel	797'	+4,336'
Navajo	822'	+4,311'
Kayenta	1,042'	+4,091'
Wingate	1,205'	+3,928'
Chinle	1,590'	+3,543'
Shinarump	2,400'	+2,733'
Moenkopi	2,464'	+2,669'
Cutler	2,514'	+2,619'
Honaker Trail	4,356'	+ 777'
Paradox	5,293'	- 160'
Upper Ismay	5,450'	- 317'
Hovenweep	5,608'	- 475'
Lower Ismay	5,641'	- 508'
Gothic Shale	5,689'	- 556'
Desert Creek	5,703'	- 570'
Chimney Rock	5,791'	- 658'
Akah	5,811'	- 678'
T.D.	5,820'	- 687'

3. Estimated depths at which oil, water, gas or other mineral bearing formations are expected to be encountered:

<u>Formation</u>	<u>TVD</u>	<u>Possible Content</u>
Carmel	797'	Water
Navajo	822'	Water
Wingate	1,205'	Water
DeChelly**	2,514'	Brine
Honaker Trail	4,356'	Oil
Paradox	5,293'	Brine
Upper Ismay	5,450'	Oil***
Lower Ismay	5,641'	Oil
Desert Creek	5,703'	Oil

** The Cutler Formation may contain the DeChelly Member.

*** Primary Objective.

4. The Proposed Casing Program:

Casing Design

<u>Casing String</u>	<u>Hole Size</u>	<u>Interval</u>	<u>Section Length</u>	<u>Size (OD)</u>	<u>Weight, Grade and Joint</u>	<u>New Or Used</u>	<u>Mud Weight</u>	<u>1000# Tension Load</u>	<u>SF_t</u>	<u>SF_c</u>	<u>SF_b</u>
Conductor	20"	0-60'	60'	16"	Thinwall	New					
Surface	12-1/4"	1-1500'	1,500'	9-5/8"	36# K-55 STC	New	8.5-9.0	46.8	9.04	2.73	1.29
Production	8-3/4"	1500-5820'	5,820'	5-1/2"	20# N-80 LTC	New	9.4-10.8	116	3.69	2.43	1.53

Cement Program:

9-5/8" Casing

Cement Volume: 1,500' x .3132 cu.ft/ft x 2.0 excess = 940 cu.ft.

Lead Slurry: 1,000' calculated plus 100% excess - 340 sacks of high yield cement (35% fly ash, 65% cement, 6% bentonite) containing 1/4#/sack cellophane flakes and 2% CaCl₂.

Weight: 12.7 ppg

Yield: 1.84 ft³/sack

Water Requirement: 9.9 gal/sack

Tail Slurry: 500' calculated plus 100% excess - 270 sacks of Class "B" cement containing 1/4#/sack cellophane flakes and 2% CaCl₂.

Weight: 15.6 ppg

Yield: 1.18 ft³/sack

Water Requirement: 5.2 gal/sack

Casing equipment will include a float shoe, float collar and 3 centralizers. WOC time will be a minimum of 6 hours. If float equipment holds, closed-in pressure after cementing is not recommended.

(Cement Program continued on next page)

4. The Proposed Casing Program (continued):

Cement Program (continued):

5-1/2" Casing

Cement Volume: $4,820' \times .2527 \text{ cu.ft/ft} \times 1.25 \text{ excess} = 1,523 \text{ cu.ft.}$
Actual cement volumes will be based upon caliper log plus 25% excess.

Slurry Preflush: 20 barrels

Lead Slurry: (3,900' column height) 700 sx "Lite" cement w/2% CaCl_2 .
Weight: 12.7 ppg
Yield: $1.84 \text{ ft}^3/\text{sack}$
Water Requirement: 9.9 gal/sack

Tail Slurry: (920' column height) 250 sacks Class "B" w/1% fluid loss additive.
Weight: 15.6 ppg
Yield: $1.18 \text{ ft}^3/\text{sack}$
Water Requirement: 5.2 gal/sack

Casing equipment will include a float shoe, float collar and 6 centralizers.

5. Pressure Control Equipment:

B.O.P. equipment will include a double-ram type preventer with pipe and blind rams and a rotating head (API arrangement SRdG). All equipment will have a 3,000 psi or greater working pressure. Rams, valves, lines, choke manifold, and casing will be tested to 200 psi for 5 minutes and 1,500 psi for 5 minutes prior to drilling out from under 9-5/8" surface casing. After drilling casing shoe and 5 feet of additional hole, a shoe test will be performed to 13.5 ppg equivalent mud weight or leakoff, whichever occurs first. The accumulator should be of sufficient capacity to meet the following requirements:

1. Ability of immediate closure to all members of the stack without recharging.
2. A total of 50% of the original fluid should remain as a reserve after accumulator activation.
3. A minimum pressure of 1,200 psi is required to insure that the preventer remains closed.

Visual checks of the equipment will be made tourly. Function pipe rams daily and blind rams on trips.

6. Drilling Mud Program:

<u>From</u>	<u>To</u>	<u>Type Mud</u>	<u>Weight</u>	<u>% Oil</u>	<u>Water Loss</u>
0'	1,500'	Spud	8.5-9.0	0	No Control
1,500'	2,514' Cutler	Gel/Water	8.5-9.0	0	No Control
2,514' Cutler	5,450' U. Ismay	Gel/Chemical	9.4-10.8	0	10.0-12.0 cc's
5,450' U. Ismay	T.D.	Gel/Chemical	As Required	0	8.0-9.0 cc's

Mud weights should be kept to a minimum to maximize ROP and minimize lost circulation. However, the existence of water flows may necessitate an increase in mud weight while drilling. Sufficient barite should be on location prior to spud in order to increase mud weight to 11.7 ppg if required.

7. Auxiliary Equipment Required:

A drilling rate recorder, calibrated to record drilling time for each one foot drilled, will be used.

7. Auxiliary Equipment Required (continued):

A kelly cock will be used and a full opening safety valve will be available on the rig floor.

The mud system will include a desander/desilter, gas buster, or degasser.

A manual adjustable choke will be used.

A single shot drift indicator will be used.

Deviation Control:

<u>From</u>	<u>To</u>	<u>Maximum Distance Between Surveys</u>	<u>Maximum Deviation From Vertical</u>	<u>Maximum Change Per 100' of Depth</u>
0'	1,500'	250'	10	10
1,500'	T.D.	500'	50	10

8. Testing, Logging, Coring and Fracing Program:

Samples: 10' intervals from 1,500' to T.D. with a two-man mud logging unit.

Logging: 1. DLL/MSFL/GR from T.D. to the surface casing shoe with the GR to surface.

2. BHC Sonic/VDL/GR from T.D. to surface casing.

3. Litho-Density/CNL/Spectral GR from T.D. to surface casing.

The Coriband (Cyberlook) service will be used from the top of the Honaker Trail Formation to T.D.

Testing: A DST is anticipated in the top of the Upper Ismay. This test will be a flow test to determine the type of hydrocarbon present. No pressure build-up data is required.

A DST will be run in the Desert Creek if the core indicates possible productivity.

Coring: 3 - 60' cores are anticipated in the Upper Ismay.
 1 - 60' core is anticipated in the Desert Creek.

Fracing Program: If necessary, acid stimulation.

9. Abnormal Conditions:

The DeChelly Member of the Cutler Formation, if penetrated, may contain overpressured salt water requiring 10.5 to 11.5 ppg mud weight to control.

Maximum anticipated bottom hole pressure is approximately 2,200 psi.

Maximum anticipated bottom hole temperature is approximately 120° F.

10. Anticipated starting date and duration:

Starting Date: 4th Quarter, 1983

Duration: 26 Days

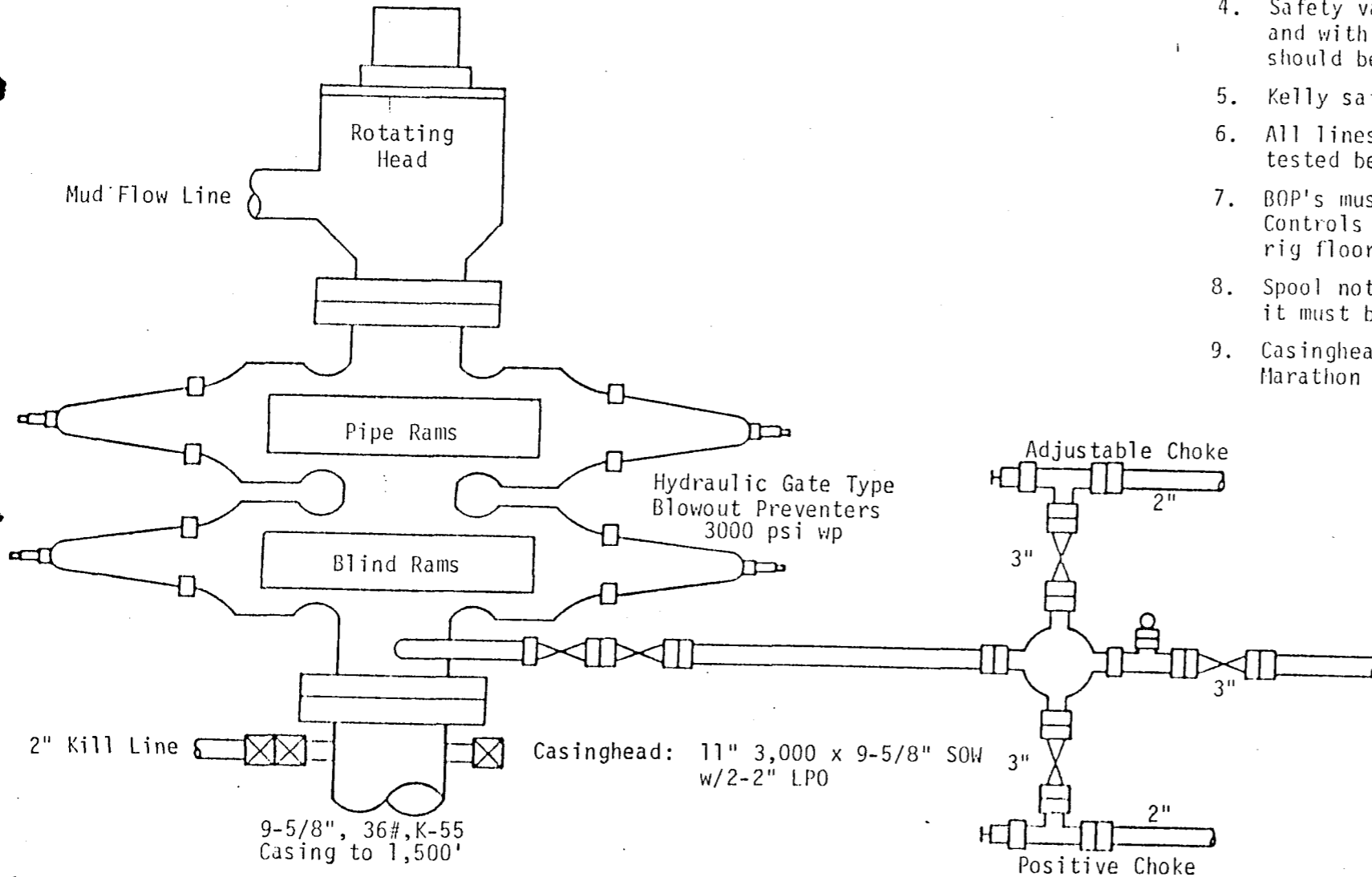
Name Guy A. Newberry

Title Drilling Superintendent

Date 9-20-83

Tin Cup Mesa #4-26
 Section 26, T38S, R25E
 San Juan County, Utah

1. Blowout preventers, master valve, plug valve and all fittings must be in good condition. Use new API Seal Rings.
2. All fittings (gates, valves, etc.) to be of equivalent pressure rating as preventers. Valves to be flanged and at least 2" unless otherwise specified. Valves next to BOP to be plug type and nominal 3".
3. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
4. Safety valve must be available on rig floor at all times and with proper connections. The I.D. of safety valves should be as great as I.D. of tool joints on drill pipe.
5. Kelly safety valve installed, same working pressure as BOP's.
6. All lines and controls to preventers must be connected and tested before drilling out of surface pipe.
7. BOP's must be fluid operated, complete with accumulator. Controls may be either on floor or ground near steps from rig floor.
8. Spool not required, but when side outlet on BOP's is used, it must be below bottom ram.
9. Casinghead and casinghead fittings to be furnished by Marathon Oil Company.



MARATHON OIL COMPANY
SURFACE USE & OPERATIONS PLAN

DATE: September 26, 1983

WELL NAME: Tin Cup Mesa #4-26

LOCATION: 1698' FNL & 720' FEL, Sec. 26, T38S, R25E, San Juan County, Utah

1. Existing Roads:

- A. Proposed well site as staked. (Actual staking should include two each 200-foot directional reference stakes).

See Survey Plat.

- B. Route and distance from nearest town and locatable reference point to where well access route leaves main road.

Eight miles northwest of Hatch Trading Post, Utah. See map diagram "A" color-coded red.

- C. Access road(s) to location color-coded or labeled.

See map diagram "A" color-coded green.

- D. If exploratory well, all existing roads within a 3-mile radius (including type of surface, conditions, etc.).

Not applicable.

- E. If development well, all existing roads within a 1-mile radius of well site.

See map diagram "A".

- F. Plans for improvement and/or maintenance of existing roads.

Blade work on existing roads. All work will be to BLM stipulations.

2. Planned Access Roads

Map showing all necessary access roads to be constructed or reconstructed, showing:

(1) Width: 18'

(2) Maximum grades: 0%

(3) Turnouts: None

(4) Drainage design: Ditched and crowned, trailer ditches where needed.

(5) Location and size of culverts and brief description of any major cuts and fills.

None.

(6) Surfacing material.

None

(7) Necessary gates, cattleguards, or fence cuts.

None.

(8) New or reconstructed roads are to be center-line flagged at time of location staking.

All construction will be to BLM Class III construction. Location is in the Tin Cup Mesa Unit. All of the Tin Cup Mesa Unit has been worked by archaeologists.

3. Location of Existing Wells:

Two-mile radius map if exploratory, or 1-mile radius map if development well, showing and identifying existing:

(1) Water wells: None

(2) Abandoned wells: #1-23.

(3) Temporary abandoned wells: None.

(4) Disposal wells: None.

(5) Drilling wells: None.

(6) Producing wells: #1-25, 3-26, 2-23, 3-23.

(7) Shut-in wells: All of the above wells are shut-in waiting on pipeline and production facilities.

(8) Injection wells: None.

(9) Monitoring or observation wells for other resources: None.

4. Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1) Tank Batteries: Tin Cup Mesa Unit battery at #1-25.

(2) Production Facilities: Marathon Oil Company #1-25.

(3) Gathering Lines: Parallel to lease roads.

(4) Gas gathering lines: same as above.

(5) Injection Lines (Indicate if any of the above lines are buried):
None.

(6) Disposal Lines: None.

B. If new facilities are contemplated, in the event of production, show:

(1) Proposed location and attendant lines by flagging if off of well pad.

Proposed well #4-26 will use existing flow lines and production facilities.

(2) Dimensions of Facilities.

Same as permanent facilities on #1-25 location.

(3) Construction methods and materials.

All construction will be to Class III, BLM standards.

(4) Protective measures and devices to protect livestock and wildlife.

Woven wire fences of the pit area.

C. Plans for rehabilitation of disturbed areas no longer needed for operations after construction completed.

Drill site area will be reshaped to conform with the topography. Top soil will be distributed at the proper time. Disturbed areas scarified with contours to a depth of 6" to 8". Seed will be broadcast, as per BLM recommendation.

5. Location and Type of Water Supply:

A. Show location and type of water supply either on map or by written description.

Primary: Cross Creek.

Secondary: Sec. 28, T38S, R26E, Sec. 28, T38S, R25E (Artesian water wells). Water permits have been obtained. 58681 (09-1292)

B. State method of transporting water, and show any roads or pipelines needed.

Existing roads and access road will be used to haul water to the location.

C. If water well is to be drilled on lease, so state. (No APD for water well necessary, however, unless it will penetrate potential hydrocarbon horizons).

No water well will be drilled.

6. Source of Construction Materials:

A. Show information either on map or by written description.

Construction materials will be native soils.

B. Identify if from Federal or Indian Land.

None.

C. Describe where materials such as sand, gravel, stone and soil material are to be obtained and used.

Any needed materials will be discussed with Mr. Bob Turri or Mr. Brian Wood of BLM, Monticello, Utah.

D. Show any needed access roads crossing Federal or Indian lands under Item 2.

None.

7. Methods of Handling Waste Disposal:

(1) Cuttings: Reserve Pit.

(2) Drilling Fluids: Reserve Pit.

(3) Produced Fluids (oil, water): Swab Tanks

- (4) Sewage: Porta Pot
- (5) Garbage and other waste material (Trash pits will be completely contained with small mesh wire to prevent wind scattering trash before being burned or buried).

There will be a 10' x 10' burn pit on the drill site and it will be woven wire fenced.

- (6) Statement regarding proper cleanup of well site area when rig moves out.

Surrounding area will be cleaned up and all burnable materials will be put in the burn pit and burned. Non-burnable debris will be hauled to a local dump site, designated by BLM. Burn permit will be obtained from a state fire warden, John Baker. (May 1 - Oct. 31).

8. Ancillary Facilities:

Identify all proposed camps and airstrips on a map as to their location, area required and construction methods. (Camp center and airstrip center lines to be staked on the ground).

None.

9. Wellsite Layout:

A plat (not less than 1" = 50') showing:

- (1) Cross sections of drill pad with cuts and fills.

See Diagram "B".

- (2) Location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil material stockpiles.

See Diagram "C".

- (3) Rig orientation, parking areas and access roads.

See Diagram "C".

- (4) Statement as to whether pits are to be lined or unlined. (Approval as used in this section means field approval of location. All necessary staking of facilities may be done at time of field inspection). A registered surveyor is not mandatory for such operations.

Pit will not be lined.

10. Plans for Restoration of Surface:

State restoration program upon completion of operations, including:

- (1) Backfilling, leveling, contouring and waste disposal, segregation of spoils materials as needed.

The drill site will be cleaned and waste material put in trash burn pit, which will be covered at the finish of the drilling operation. Reserve pit will be backfilled as soon as it is dry.

- (2) Revegetation and rehabilitation, including access roads (normally per BLM recommendations).

The top soil will be distributed and at the proper season, the following BLM seed requirements will be broadcast planted:

2 lbs./acre Indian Ricegrass	2 lbs./acre Fourwing Saltbush
1 lb. /acre Curleygrass	2 lbs./acre Shadscale
1 lb. /acre Alkali Sacaton	1 lb. /acre Wild Sunflower

Trees will be scattered evenly over the disturbed areas and walked down with a dozer.

- (3) Prior to rig release, pits will be fenced and so maintained until cleanup.

The reserve pit will be fenced on three (3) sides during drilling; at the completions of drilling all pits, they will be fenced on the one remaining side.

- (4) If oil on pit, remove oil or install overhead flagging.

If there is oil on the reserve pit, it will be removed or flagged with overhead flagging.

- (5) Timetable for commencement and completion of rehabilitation operations.

Depending upon climatic conditions, restoration should be completed from six months to one year after abandoning well.

11. Other Information:

General Description of:

- (1) Topography, soil characteristics, geologic features, flora and fauna.

Sagebrush, scrub cedars, rock formations occasionally dissected by light to heavy drainage features. Deer, rabbits, fox, small rodents, cattle, and sheep.

- (2) Other surface use activities and surface ownership of all involved lands.

Access road and drill site are owned by U.S. Government. Surface facilities will be painted Federal Std. #30318, Badlands Brown.

- (3) Proximity of water, occupied dwellings, archaeological, historical, or cultural sites.

There is no water or occupied dwellings in the area. Archaeology was performed by BYU, Provo, Utah.

12. Lessee's or Operator's Representative:

Gary A. Newberry, Marathon Oil Company, PO Box 2659, Casper WY 82602.
Office: (307) 577-1555
Home: (307) 235-1325

13. Certification: The following statement is to be incorporated in the plan and must be signed by the lessee's or operator's field representative who is identified in item No. 12 of the plan:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Marathon Oil Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

9-27-83

Date

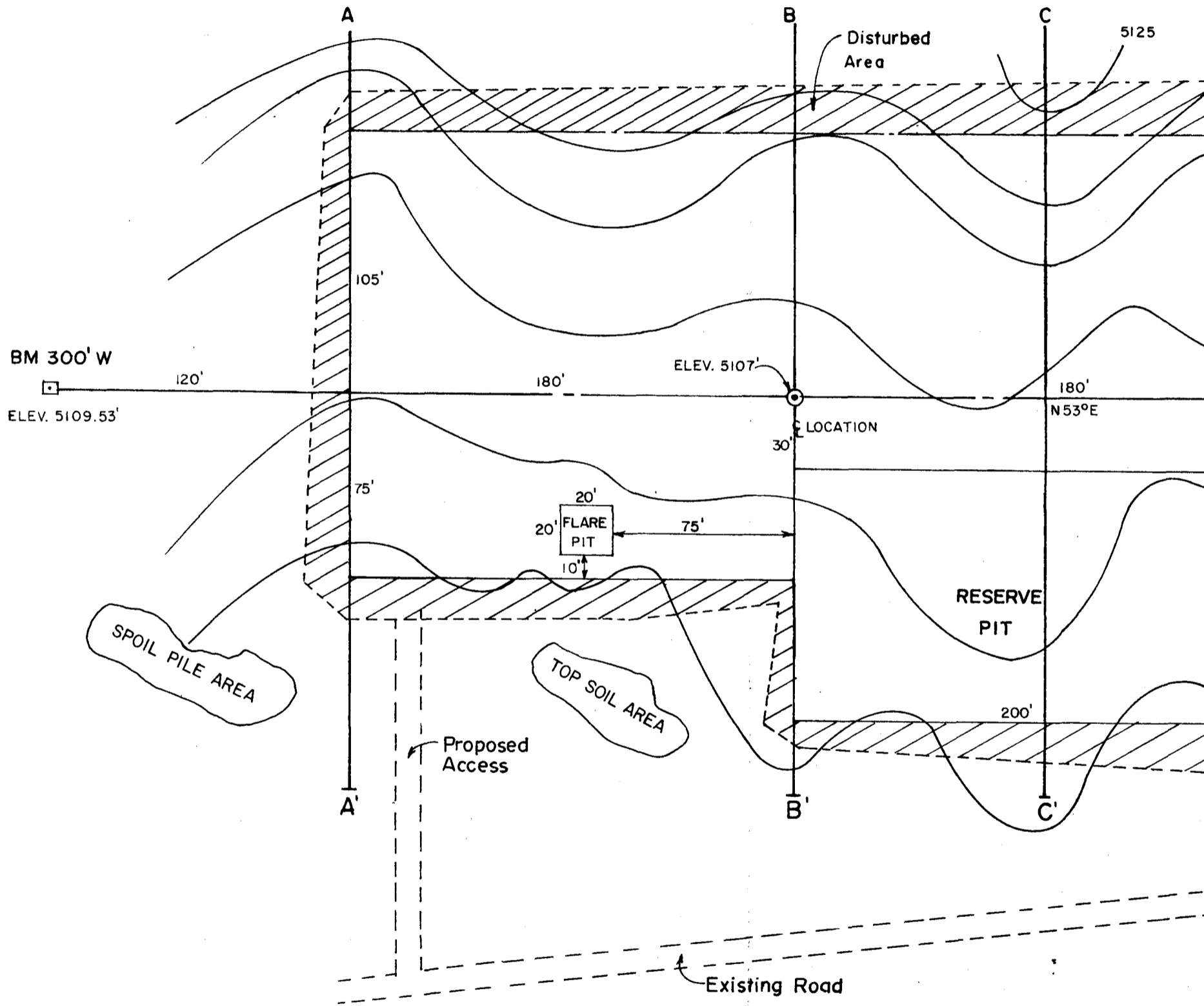
Guy O. Newberry

Name

Drilling Superintendent

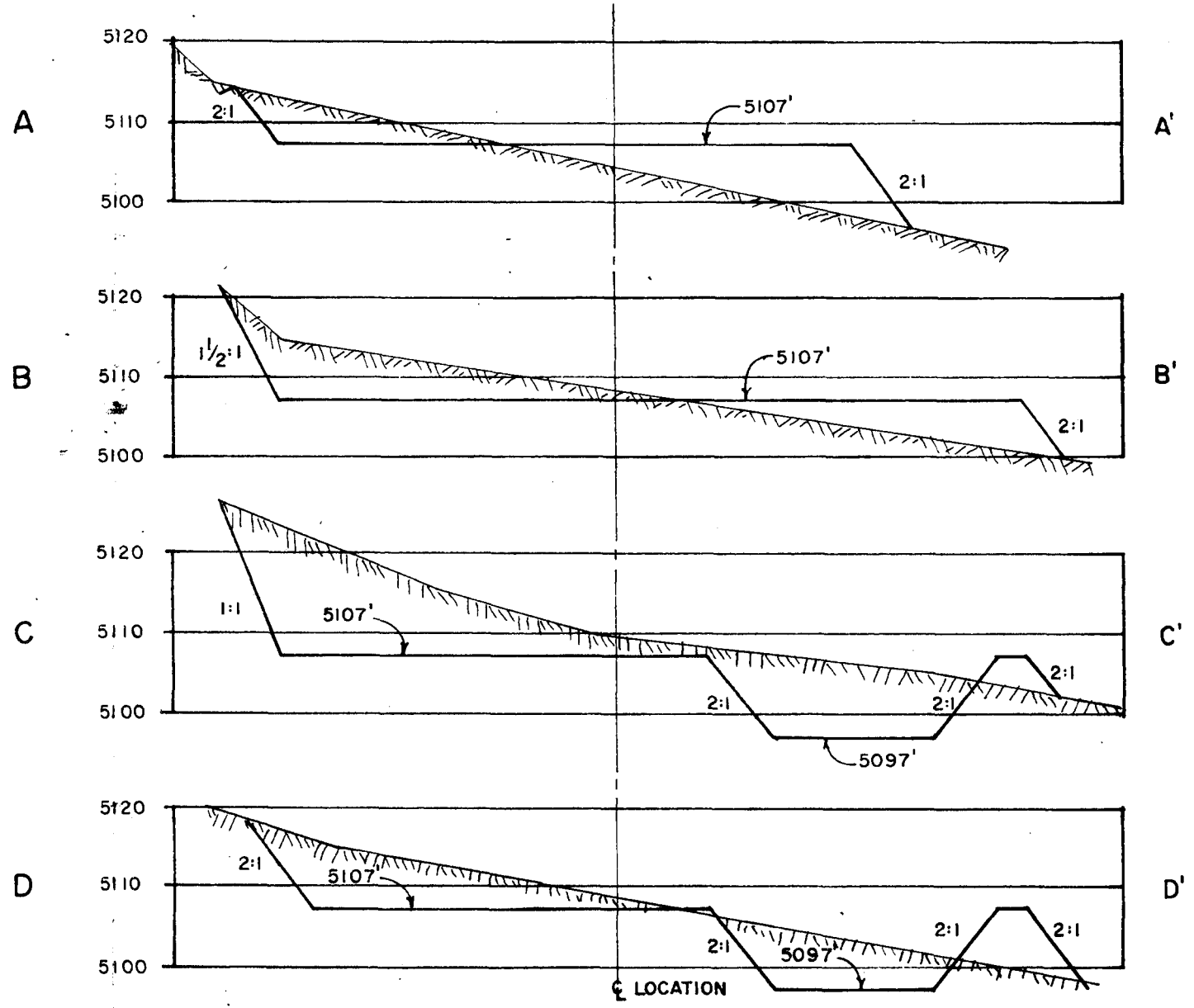
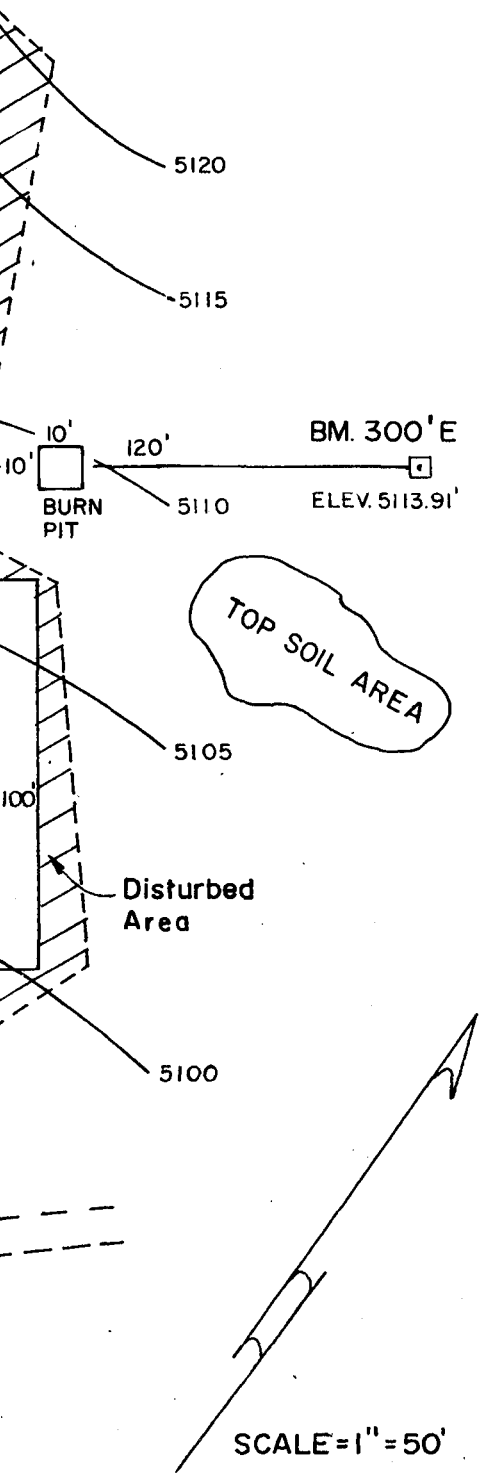
Title

MARATHON OIL CO.
SE/4, NE/4, SEC 26,



TIN CUP MESA WELL #4-26
S. R25E, S.L.M. SAN JUAN CO. UTAH

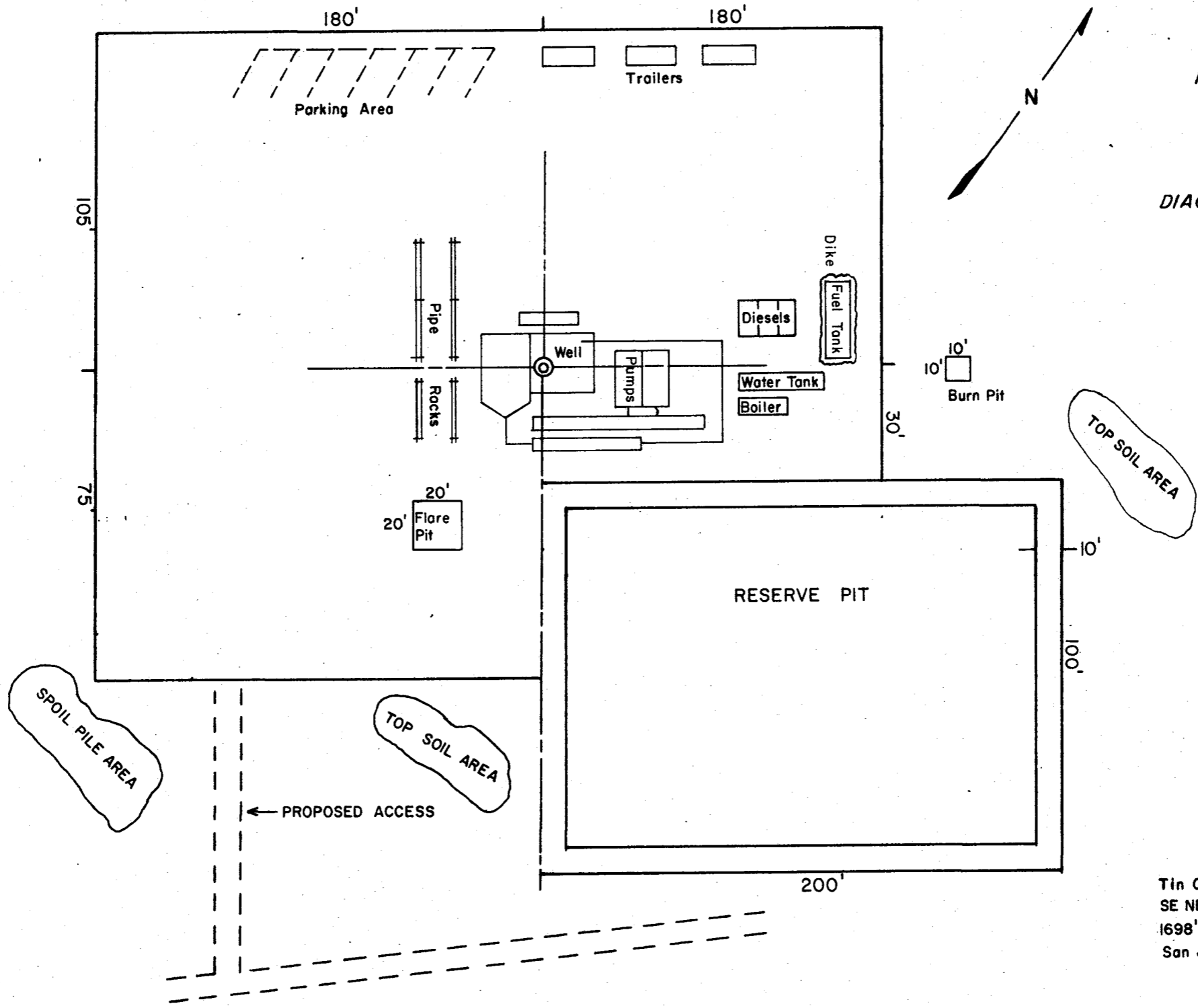
CROSS SECTION
 HORIZONTAL SCALE: 1"=50', VERTICAL SCALE: 1"=20'



TOTAL VOLUMES
 CUT= 10,600 CU. YDS, FILL= 5850 CU. YDS.
 TOP SOIL 2800 CU. YDS, WASTE= 1950 CU. YDS.
 RESERVE PIT CAPACITY= 20,600 BARRELS

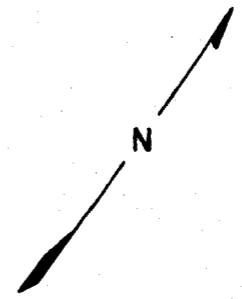
DIAGRAM **B'**

MARATHON OIL COMPANY CASPER, WYO.	
WELL SITE PLAN TIN CUP MESA NO. 4-26 SEC. 26, T 38S, R25E SAN JUAN CO, UTAH	
CLARK-REED ASSOCIATES DURANGO, COLORADO	DATE: SEPT. 22, 1983 FILE NO.: 83049



SCHEMATIC
of
RIG LAYOUT
Scale 1"=50'
PROPOSED

DIAGRAM 'C'



Tin Cup Mesa #4-26
SE NE Sec.26, T 38 S R 25 E
1698' FNL & 720' FEL
San Juan Co., Utah

OPERATOR MARATHON OIL CO DATE 10-4-83

WELL NAME TIN CUP MESA UNIT # 4-26

SEC SENE 26 T 38S R 25E COUNTY SAN JUAN

43-037-30941
API NUMBER

FED
TYPE OF LEASE

POSTING CHECK OFF:

INDEX

MAP

HL

NID

PI

PROCESSING COMMENTS:

WATER OK

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 10-4-83

BY: [Signature]

CHIEF PETROLEUM ENGINEER REVIEW:

10/4/83 Unit > oil well development

APPROVAL LETTER:

SPACING:

A-3 TIN CUP MESA
UNIT

c-3-a

CAUSE NO. & DATE

c-3-b

c-3-c

SPECIAL LANGUAGE:

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *FED*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER _____

UNIT *TIN CUP MESA*

c-3-b

c-3-c

BA
D-1E
DIP OVE AND WINDING
ON TUBE DIVISION C
RECORDED IN THE 211E

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

October 4, 1983

Marathon Oil Company
P. O. Box 2659
Casper, Wyoming 82602

RE: Well No. Tin Cup Mesa Unit # 4-26
~~SW~~ NE, Sec. 26, T. 38S, R. 25E.
1698' FNL, 720' FEL
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

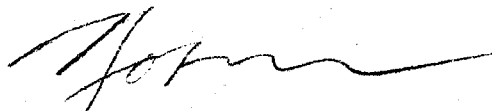
RONALD J. FIRTH - Petroleum Engineer
Office: 533-5771
Home: 571-6068

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-037-30941.

Sincerely,



Norman C. Stout
Administrative Assistant

NCS/cf
cc: Branch of Fluid Minerals
Enclosures

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUBMIT IN TRIPPLICATE*
(Other instructions
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL DEEPEN PLUG BACK

b. TYPE OF WELL

OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface
1698' FNL & 720' FEL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

8 miles northwest of Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 720'

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1/2 mile

16. NO. OF ACRES IN LEASE

760'

19. PROPOSED DEPTH

5820'

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

20. ROTARY OR CABLE TOOLS

None

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5107' Ungraded Ground

22. APPROX. DATE WORK WILL START*

SAP 4th Quarter 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
Please see Item #4 of 10-Point for complete casing and cementing record.				

Please see the following attachments:

1. Surveyor's Plat
2. Ten-Point Drilling Program
3. BOP Schematic
4. Thirteen-Point Surface Plan
5. Maps and Diagrams

The person responsible for NTL-6 is Walt West
Gov't Compliance
Office: (307) 577-1555
Home: (307) 235-1420

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Doyle L. Jones TITLE District Operations Manager DATE September 26, 1983
(This space for Federal or State office use)

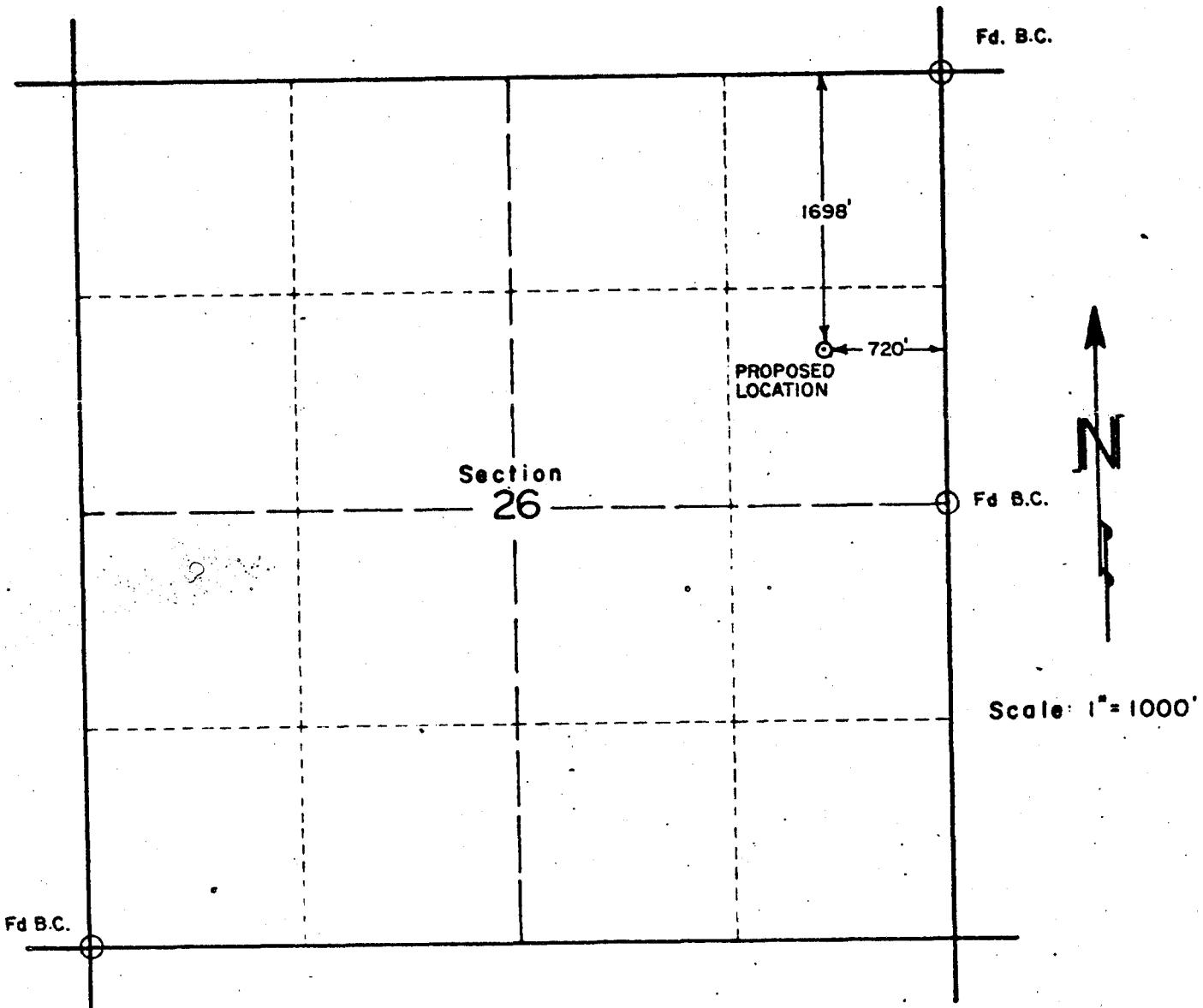
PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY C. Delano Beckus TITLE Acting District Manager DATE 10/5/83
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

State of Utah



WELL LOCATION: MARATHON OIL CO. Tin Cup Mesa no.4-26

Located 1698 feet South of the North line and 720 feet West of the East line of Section 26
 Township 38 South Range 25 East, Salt Lake Base & Meridian
 San Juan County, Utah
 Existing ground elevation determined at 5107 feet based on adjoining locations
 B.M. Set - 300' E 5113.91'
 B.M. Set - 300' W 5109.53'

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief

Frederick H. Reed

FREDERICK H REED
 Registered Land Surveyor

MARATHON OIL CO. Casper, Wyo.	
WELL LOCATION PLAT Tin Cup Mesa no.4-26 SEC 26, T38S, R25E San Juan Co., Utah	
CLARK - REED & ASSOC Durango, Colorado	DATE: SEPT. 22, 1983 FILE NO: B3049

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Marathon Oil Well No. 4-26
Location Sec. 26, T38S, R25E Lease No. U-31928

A COPY OF THESE CONDITIONS SHOULD BE FURNISHED YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (30 CFR 221), and the approved plan of operations. The operator is considered fully responsible for the actions of his subcontractors. The following items are emphasized:

1. There shall be no deviation from the proposed drilling and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling producing, suspended, or abandoned shall be identified in accordance with 30 CFR 221.22. Any changes in operations must have prior approval of this office. Pressure tests are required before drilling out from under all casing strings set and cemented in place. Blowout preventer controls must be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to insure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs. All BOP pressure tests must be recorded on the daily drilling report.
2. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished this office for analysis. All oil and gas shows will be adequately tested for commercial possibilities, reported and protected.
3. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of this office. If operations are to be suspended, prior approval of this office must be obtained and notification given before resumption of operations.

In the event abandonment of the hole is desired, an oral request may be granted by this office, but must be timely followed within 15 days with a "Notice of Intention to Abandon" (Form 9-331). Unless the plugging is to take place immediately upon receipt of oral approval, the District Manager must be notified at least 48 hours in advance of the plugging of the well in order that a representative may witness plugging operation. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form 9-331) must be submitted within 15 days after the actual plugging of the well bore, reporting where the plugs were placed, and the current status of the surface restoration. If surface restoration has not been completed at that time, a follow-up report on form 9-331 should be filed when all surface restoration has been completed and the location is considered ready for final inspection.

4. The spud date will be reported orally to the respective District Manager's office within 48 hours after spudding. If the spudding occurs on a weekend or holiday, wait until the following regular workday to make this report.

Periodic drilling progress reports must be filed directly with the District Manager's office on a frequency and form or method as may be acceptable to the District Manager.

In accordance with NTL-1, this well must be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report should be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602.

Any change in the program must be approved by the District Manager. "Sundry Notices and Reports on Wells" (form 9-331) must be filed for all changes of plans and other operations in accordance with 30 CFR 221.58. Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alteration of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground will require the filing of a suitable plan pursuant to NTL-6, and prior approval by the District Manager.

5. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (form 9-330) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 30 CFR 221.59. Two copies of all logs run, core descriptions, core analyses, well-test data, geologic summaries, sample descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 9-330. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by this office.
6. Significant surface values (are) (are not) involved at this location. Accordingly, you (must) (need not) notify at least (24) (48) hours prior to commencing field operations to allow this office to have personnel present for consultation during the construction of roads and locations.

Your contact with the District Office is: Tom Hare

Office Phone: 801-259-6111 Home Phone: 801-259-7965

City: Moab State: Utah

Resource Area Manager's Address and contacts are:

Address: 80 South 1st West, Box 7, Monticello, UT 84535

Your contact is: Brian Wood

Office Phone: 801-587-2201 Home Phone: 801-587-2087

7. SURFACE OPERATING STANDARDS

Unless otherwise specified herein, construction and maintenance of surface facilities approved under this plan shall be in accordance with the guidelines set forth in the BLM/FS/GS Oil and Gas Brochure entitled, "Surface Operating Standards for Oil and Gas Exploration and Development". This includes but is not limited to such items as road construction and maintenance, handling of top soil and rehabilitation.

8. If a replacement rig is contemplated for completion operations, a "Sundry Notice" to that effect must be filed, for prior approval of the District Manager, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

9. Pursuant to NTL-2B requirements regarding disposal facilities for new wells, this is authorization for unlined pit disposal of the water produced from this well for a period of 90 days from the date of initial production for sales purposes. During this period, an application for approval of the permanent disposal method, along with the required water analysis and other information must be submitted for the District Manager's approval. Failure to timely file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order until the application is submitted.

10. This permit is valid for a period of one year from the date of approval. If construction does not commence within 90 days from approval, the operator must contact this office 15 days prior to beginning construction. Construction under adverse conditions may require additional stipulations. If the permit terminates, any surface disturbance created under the application must be rehabilitated in accordance with the approved plan. After termination, it is required that a new application be filed for approval for any future operations.

11. If a tank battery is constructed on this lease, it must be surrounded by a fire wall of sufficient capacity to adequately contain the storage capacity of the battery.

12. This Application for Permit to Drill is approved subject to the requirement that, should the well be successfully completed for production, this office must be notified when it is placed in a producing status. Such notification will be by telegram or other written communication, and must be received in this office by not later than the first business day next following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:

- a. Operator name, address and telephone number.
- b. Well name and number.
- c. Well location (1/4, 1/4, Section, Township, Range and Prime Meridian).
- d. Date was placed in a producing status.
- e. The nature of the well's production, i.e. crude oil, or crude oil and casinghead gas, or natural gas and entrained liquid hydrocarbons.

- f. The OCS, Federal or Indian lease prefix and number on which the well is located. Otherwise, the non-Federal or non-Indian land category, i.e. State or private.
- g. If appropriate, the unit agreement name, number and participating area name.
- h. If appropriate, the communitization agreement number.

13.

SUPPLEMENTAL STIPULATIONS OF APPROVAL ATTACHED

SUPPLEMENTAL STIPULATIONS

1. The cementing program for the 5½" casing must cover the Paradox Formation plus a 300' minimum (may be greater if salt thickness is greater).
2. The operator or his contractor will contact the San Juan Resource Area Office in Monticello, Utah, (801) 587-2201, 48 hours before beginning any work on public land
3. The operator will give the dirt contractor a copy of the Surface Use Plan and any additional BLM stipulations before any work.
4. The San Juan County Road Department (801-587-2231, ext. 43), will be contacted before county roads are used.
5. If subsurface cultural material is exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All employees working in the area will be informed by the operator that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will only be done if damage occurs.
6. Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.
7. The top 6" of soil material will be removed from the location and stock-piled separate from the trees on the SW and NE sides. Topsoil along the access will be reserved in place.
8. The operator or his contractor will contact the BLM office in Monticello, Utah, (801) 587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.

9. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12" deep with the contour.

10. Water bars will be built as follows to control erosion:

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

11. Seed will be broadcast between October 1 and February 28. A harrow or similar implement will be dragged over the area to assure seed cover.

12. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

wtr ok
norm

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: MARATHON OIL & GAS

WELL NAME: TIP CUP MESA 4-26

SECTION SWNE 26 TOWNSHIP 38S RANGE 25E COUNTY San Juan

DRILLING CONTRACTOR Energy Search

RIG # 1

SPUDED: DATE 10-14-83

TIME 2:30 AM

HOW Rotary

DRILLING WILL COMMENCE _____

REPORTED BY Walt West

TELEPHONE # 307-577-1555

DATE 10-14-83 SIGNED AS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1698' FNL & 720' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>

(other) Please see attachment.

5. LEASE
U-31928 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa Unit

9. WELL NO.
4-26

10. FIELD OR WILDCAT NAME
Tin Cup Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH
San Juan

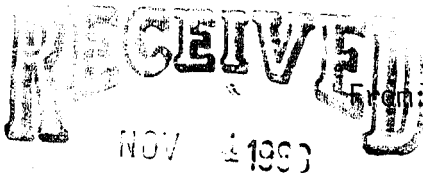
13. STATE
Utah

14. API NO.
10-4-83 43-037-30941

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,112' GL, 5,125' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*



PROGRESS REPORT:

10-14-83 To: 7-28-83

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED C. H. Guthrie TITLE Drilling Superintendent DATE October 28, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

TIN* CUP MESA #4-26

- 10-14-83 210' MADE 121' IN MORRISON FORMATION. MW 8.4, VIS 28. SPUD WELL @ 2:30 A.M. 10-14-83. DRLD TO 210'. PRESENTLY POH.
- 10-15-83 1,354' MADE 1,144' IN WINGATE FORMATION. MW 10.3, VIS 38. SURVEY EVERY 250'. SHORT TRIP O.K. DRLG AHEAD W/NO PROBLEMS.
- 10-16-83 1,500' MADE 146' IN WINGATE FORMATION. DRLD TO 1,447'. CBU, SHORT TRIP. DRLD TO 1,500', CORC BTMS UP. POH. RAN DIL-SP-G-R-CAL 1,500' TO SURFACE. LOGGERS TO 1,501'. RIG CSG CREW. RAN 39 JTS 9-5/8". LANDED SHOE @ 1,500', CMT CSG W/340 SXS LITE. FOLLOWED BY 270 SXS "G". BUMP PLUG @ 0040 HRS 10-16-83. PRESENTLY WOC.
- 10-17-83 1,610' MADE 110' IN CHINLE FORMATION. MW 8.7, VIS 37. DRLG. FIN WOC. NU BOPE. TEST BLIND RAMS, PIPE RAMS, HYDRIL, SAFETY VALVES AND CHOKE MANIFOLD TO 300# AND 1,500# FOR 5 MIN. DRLD FC AND FLOAT SHOE. TEST CSG SHOE TO 350# = 13.0 PPG EMW. PRESENTLY DRLG @ 1,610' W/NO PROBLEM.
- 10-18-83 2,182' MADE 572' IN CHINLE FORMATION. MW 9.4, VIS 48. DRLG AHEAD, NO PROBLEM.
- 10-19-83 2,901' MADE 719' IN CUTTER FORMATION. MW 9.5+, VIS 41. DRLD TO 2,213'. CIRC ST TO CSG. RIH. DRLD TO 2,901'. PRESENTLY DRLG. NO PROBLEMS.
- 7-20-83 3,382' MADE 481' IN CUTTER FORMATION. MW 10.3, VIS 43. DRLD TO 3,289'. PRESENTLY DRLG W/NO PROBLEMS.
- 7-21-83 3,688' MADE 306' IN CUTTER FORMATION. MW 10.5, VIS 46. DRLD 3,382' TO 3,688' W/NO PROBLEMS.
- 7-22-83 3,992' MADE 304' IN CUTTER FORMATION. MW 10.8, VIS 38. DEV DEPTH 3,780' 1°. DRLD TO 3,780'. POH. BIT #4. RIH. DRLG AHEAD W/NO PROB.
- 7-23-83 4,357' MADE 365' IN HONAKER TRAIL FORMATION. MW 10.8, VIS 37. DRLD TO 4,357', NO PROB.
- 7-24-83 4,679' MADE 320' IN HONAKER TRAIL FORMATION. MW 10.8, VIS 38. DRLD TO 4,697' W/NO PROB.
- 7-25-83 4,970' MADE 291' IN HONAKER TRAIL FORMATION. MW 10.8, VIS 38. DRLD 4,679'-4,970' W/NO PROB. PRESENTLY CIRC TO POH.
- 7-26-83 5,163' MADE 193' IN HONAKER TRAIL FORMATION. MW 10.5+, VIS 40. DEV DEPTH 4,970' 1-1/4°. DRLD TO 4,970', CBU. POH. RIH NO FILL.
- 7-27-83 5,365' MADE 202' IN PARADOX FORMATION. MW 10.6, VIS 41. DRLD TO 5,365'.
- 7-28-83 5,453' MADE 88' IN PARADOX FORMATION. MW 10.6, VIS 57. DEV DEPTH 5,369' 1-1/4°, 5,450' 3/4°. DRLD TO 5,369' DROP SURV. POH. RIH. REAM 5' TO BTM. DRLD TO 5,450'. CIRC. POH P/U CORE BBL, RIH WASH 70' TO BTM. PRESENTLY CORING @ 4-5'/HR.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
NOV 10 1983

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1698' FNL & 720' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE U-31928 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
NOV 10 1983

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME, **DIVISION OF OIL, GAS & MINING**
Tin Cup Mesa Unit

9. WELL NO.
4-26

10. FIELD OR WILDCAT NAME
Tin Cup Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH San Juan 13. STATE Utah

14. API NO.
10-4-83 43-037-30941

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,112' GL, 5,125' KB

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) <u>Laying of Flow Lines.</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We propose to lay the following flow lines and header from the above captioned well to our existing flow line right-of-way: 3" steel, 2" fiberglass, 2" Nipac (fuel gas). These lines will be approximately 500' long and will follow the existing access road to the east. The header will be installed where the proposed lines and existing lines meet.

Mr. Brian Wood, BLM, Monticello, Utah office gave verbal permission to this proposal on 10-25-83.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING

DATE: 11/11/83
BY: [Signature] Ft.

Subsurface Safety Valve: Manu. and Type _____

18. I hereby certify that the foregoing is true and correct District
SIGNED [Signature] TITLE Operations Manager DATE November 7, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

JRS 11/7/83
JED 11/7/83

Scott M. Matheson
Governor



STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
Utah Water Pollution Control Committee

150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110-2500

November 15, 1983
533-6146

Calvin K. Sudweeks
Executive Secretary
Rm 410 (801) 533-6146

James O. Mason, M.D., Dr.P.H.
Executive Director
Department of Health
801-533-6111
Kenneth L. Alkema
Director
Division of Environmental Health
801-533-6121

Mr. Walt West
Regulatory Coordinator
Marathon Oil Co.
Casper, Wyoming 82602

RE: Construction Permit for
Disposal Pond
Section 23+26 T38S R25E

Calvin K. Sudweeks
Trevor Cup 2-23
3-23
3-26
4-26

MEMBERS

Grant K. Borg, Chairman
W. Lynn Cottrell
Harold B. Lamb
Kenneth L. Alkema
Franklin N. Davis
Dale P. Bateman
Joseph A. Urbanik
C. Arthur Zeldin
Mrs. Lloyd G. Bliss

Dear Mr. West:

A review of your file and inspection of your property indicate that you have complied with the minimum requirements to obtain an approval for a properly designed disposal pond located in Sections 23+26 T38S R25E for disposal of produced waters from oil and gas wells. We commend you for your cooperative attitude in following the State requirements and for your desire to protect the surface and subsurface waters of the State.

The system consists of 1 large evaporation pond (420' x 270') and the total liquid volume of the system is approximately 307,584 ft³.

Before receiving final approval, our bureau also requests a submittal to this office of the frequency of monitoring data and the specific parameters which will be measured. This data should be submitted on a timely basis (recommended within 60 days of the sampling date.)

The pond has been designed according to State standards and as a result, a construction permit is hereby issued as constituted by this letter. A final inspection must be conducted after construction but prior to putting the facility into operation.

You have any questions, please call Jerry Riding or Fred Pehrson at the above number.

Sincerely,

UTAH WATER POLLUTION CONTROL COMMITTEE

Calvin K. Sudweeks
Calvin K. Sudweeks
Executive Secretary

JRR:na

cc: Division of Oil, Gas and Mining
Utah District Health Dept.
BLM/Oil and Gas Operation
Division of Water Rights

0100

RECEIVED
NOV 20 1983

DIVISION OF
OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

- 1. oil well gas well other
- 2. NAME OF OPERATOR
Marathon Oil Company
- 3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602
- 4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1698' FNL & 720' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- | | |
|---|--------------------------|
| REQUEST FOR APPROVAL TO: | SUBSEQUENT REPORT OF: |
| TEST WATER SHUT-OFF <input type="checkbox"/> | <input type="checkbox"/> |
| FRACTURE TREAT <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* <input type="checkbox"/> | <input type="checkbox"/> |
| (other) Please see attachment. | |

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROGRESS REPORT:

From: 11-9-83 To: 11-16-83

RECEIVED
NOV 21 1983

DIVISION OF
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Drilling Superintendent DATE November 16, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

TIN CUP MESA #4-26

WELL HISTORY

- 11-29-83 5,546' MADE 93' UPPER ISMAY FORMATION. MW 10.5, VIS 41. CORED 5,453'-5,510' CIRC 1-1/2 HRS. POH L/D CORE #1 RECOVERED 60' CORE. RIH W/CORE BBL CORING AHEAD @ 5,546'.
- 11-30-83 5,591' MADE 45' IN HOVENWEEP FORMATION. MW 10.7, VIS 42. CORED 5,546'-7-, CIRC, POH, L/D CORE #2 REC 60' RIH W/CORE BBL WASH 6' TO BTM. CUT CORE #3 5,570'-91', CIRC. POH. L/D CORE #3, REC 20', PRESENTLY RIH W/RR BIT #6.
- 10-31-83 5,745' MW 10.9, VIS 48. REACH CORE PT. RPM 75, WT ON BIT 52,000#. FIN RIH. DRLD 5,591'-5,745'. TIGHT CONNECTION @ 5,630' PMP SWEEP NO MORE PROBLEMS. REACH CORE PT @ 5,745' CIRC BU POH FOR CORE #4.
- 11-1-83 5,804' MADE 59' IN AKAH FORMATION. MW 10.9, VIS 43. POH. P/U CORE BBL RIH CIRC. CORE #4 5,745'-5,804' 59' CBU TO PULL CORE.
- 11-2-83 5,815' MADE 11' IN AKAH FORMATION. MW 10.9, VIS 50. POH W/CORE #4. PU, BHA, RIH. DRLD TO 5,815' CIRC SHORT TRIP CIRC. POH. LOG #1 DLL-MSFL-GR. PRESENTLY LOG #2 CNL-NGT-LDT.
- 11-3-83 5,815' MADE 0' IN AKAH FORMATION. MW 10.9, VIS 44. POH W/LOG #2. RUN LOG #3 SONIC LOG. RIH, CIRC, SHORT TRIP. POH F/DST #1. WAIT ON PKRS. P/U TEST TOOLS RIH. NO PROBLEMS. SET MIDDLE PKR @ 5,565'. MIDDLE BTM PKR @ 5,589+.
- 11-4-83 5,815' MADE 0' IN AKAH FORMATION. MW 10.8, VIS 42. INFLATE PKRS. I.F. 15 MINS. GOOD BLOW. 4 PSI IN 15 MINS. ISI 60 MINS. FF 6 HRS. GAS TO SURF 1 HR 10 MINS. 11 PSI APPROX 38 MCF/DAY IN 2 HRS DEC TO 2 PSI 1/4" CHOKE 25 MCF/DAY AND HELD FOR REST OF TEST. IF 116 PSI-119 PSI, ISI 2,073 PSI, FF 360 PSI-918 PSI. RECOVERED 26-1/2 BBL OIL & GAS CUT WTR TOTAL 1 BBL OIL 25-1/2 BBL WTR. SAMPLE CHAMBER 100 PSI 2,000 CCF OIL & GAS CUT WTR 1 CU/FT GAS.
- 11-5-83 5,815' MADE 0' IN AKAH FORMATION. MW 10.9, VIS 46. CIRC AND COND HOLE MAKE SHORT TRIPS POH F/DST #2 P/U DST TOOLS. SET TOP PKR @ 5,461'. TEST INTERVAL 5,461'-5,486' (25') I.F. 5 MINS GAS TO SURF IN 4-1/2 MINS. ALSO WTR CUSHION 255 PSI ON 1/4" CHOKE IN 5 MINS.
- 11-6-83 5,815' MADE 0' IN AKAH FORMATION. MW 10.8, VIS 44. ISI 40 MINS, FF 6 HRS, FF RATE 2.4 MCF/DAY @ 1,000 PSI ON 5/16" ORFICE W/40 TO 45' FLARE. GOR = 81,500 = 12 BBL CONDENSATE/MMCF OF GAS. SWI. RELEASE PKRS AND WORK FREE. POH 20 STDS, REVERSE CIRC REC 4.15 BBL CONDENSATE 293' IN PIPE, W/GRAVITY ABOVE 50. POH L/D DST TOOLS. CHECK RAMS. RIH W/RR #6 BIT 5' FILL. PRESENTLY CIRC AND SHORT TRIP FOR DST #3 ISI DST #2 2,030 PSI. FF 1,712 PSI. BGG: 5 U. TG: #1 HIGH PT 467 U; C1-8.2, C2-3.6, C3-1.0, C4 ISI-.26, C4 NORM.51 #2 HIGH PT 460 U C1-5.4, C2-1.6, C3-.5, C4 ISI .08, C4 NORM.17.
- 11-7-83 5,815' MADE 0' ION AKAH FORMATION. MW 10.9, VIS 44. CIRC AND COND HOLE. POH. PU TOOLS FOR DST #3. SET PKRS @ 5,486' AND 5,511'. BGG: 6 U. TG: 16 U.
- 11-8-83 5,815' MADE 0' IN AKAH FORMATION. MW 10.9, VIS 43. SET PKRS AND RUN DST #3. POH W/DST TOOLS. RECOVERED 1,871' OIL W/H₂O EMULSION IN DP (21.9 BBL). HAD 92 BBL OIL, 3.6 PRODUCED H₂O. RIH. HAD 5' FILL. CRU. ST 30 STDS. POH LD DP.

TIN CUP MESA #4-26

WELL HISTORY

- 11-9-83 5,815' MADE 0' IN AKAH FORMATION. RU CSG CREW. RUN 136 JTS, 7", 26#, K-55, LTC CSG TO 5,814'. CIRC PRIOR TO CMTING. CMTED W/900 SKS LITE FOLLOWED BY 225 SKS CL "B". CIRC 60 SKS CMT TO SURFACE. CIP @ 10:38 P.M. 11-8-83. WOC. SET SLIPS W/130,000#. PRESENTLY NU BOPE.
- 11-10-83 5,815' MADE 0' IN AKAH FORMATION. MW H₂O. NU BOPE. WOC. REV OUT EVERY 50 JTS. PRESENTLY @ 4,800'.
- 11-11-83 5,815' MADE 0' IN AKAH FORMATION. MW H₂O. FIN RIH. TAG FC @ 5,726'. POH. RU LOGGERS. RUN CCL-GR-CBL-WAVE FORM. WOC 7 HRS. RUN CBL @ 0 PSI, 1,000 PSI. 1,500 PSI, AND 2,000 PSI. GOOD BOND ACROSS ISMAY (90-100%). TEST CSG TO 3,000#. HELD 15 MIN. ND BOPE TO RUN TBG.
- 11-12-83 5,815' MADE 0' IN AKAH FORMATION. MW H₂O. LD 10 JTS TBG. RIH W/PKR. SET @ 5,441'. TEST TBG TO 2,800#. LOST ALL PRESSURE. POH. LEFT PKR IN HOLE' POH PU NEW PKR. RIH TO 100'. POH. WO NEW PKR. RIH. SET @ 5,441'. TEST 3,000# - O.K. SET TBG DONUT W/TBG IN 18,000# TENSION. NU TREE. TEST 3,000# - O.K. RELEASED RIG @ 7.A.M. 11-12-83.
- 11-13-83/
11-16-83 5,815' WAITING ON COMPLETION PROCEDURE.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY**

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE:
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE
U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
--

10. FIELD OR WILDCAT NAME
Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 23, 25, 26, T38S, R25E

12. COUNTY OR PARISH 13. STATE
San Juan Utah

14. API NO.
--

15. ELEVATIONS (SHOW DF, KDB, AND WD)
--

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

PULL OR ALTER CASING

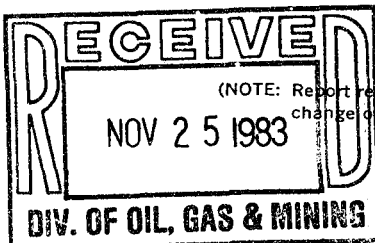
MULTIPLE COMPLETE

CHANGE ZONES

ABANDON*

(other) see below

SUBSEQUENT REPORT OF:



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We request and extension of time of 15 days beyond the original 30-day approval request. See attached copies of original Federal and State approvals.

This request is made due to the fact that materials were not delivered on dates as promised by vendors, causing delays in construction.

**APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING**

DATE: 11/22/83

BY: [Signature]

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct District _____

SIGNED Doyle F. Jones TITLE Operations Manager DATE November 22, 1983

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

jeed

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved. Budget Bureau No. 42-R355.5.

58

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Tin Cup Mesa

8. FARM OR LEASE NAME

Tin Cup Mesa

9. WELL NO.

4-26

10. FIELD AND POOL, OR WILDCAT

Tin Cup Mesa Field

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 26, T38S, R25E

1a. TYPE OF WELL: OIL WELL [] GAS WELL [X] DRY [] Other []
b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [] DEEP-EN [] PLUG BACK [] DIFF. RESVR. []

2. NAME OF OPERATOR: Marathon Oil Company

3. ADDRESS OF OPERATOR: PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 1520' FNL & 720' FEL
1698

At total depth

14. PERMIT NO. 43-037-30941 DATE ISSUED 10-4-83

12. COUNTY OR PARISH San Juan 13. STATE Utah

15. DATE SPUDED 10-14-83 16. DATE T.D. REACHED 11-2-83 17. DATE COMPL. (Ready to prod.) 11-23-83 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5112' GL, 5125' KB 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 5815' KB 21. PLUG, BACK T.D., MD & TVD 5726' KB 22. IF MULTIPLE COMPL., HOW MANY* -- 23. INTERVALS DRILLED BY -- ROTARY TOOLS -- CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Ismay 5504' - 5562' KB 25. WAS DIRECTIONAL SURVEY MADE --

26. TYPE ELECTRIC AND OTHER LOGS RUN See Attachment 27. WAS WELL CORED yes

28. CASING RECORD (Report all strings set in well)

Table with columns: CASING SIZE, WEIGHT, LB./FT., DEPTH SET (MD), HOLE SIZE, CEMENTING RECORD, AMOUNT PULLED. Rows: 9-5/8", 40#, 1500', 12-1/4", 610 SX, none; 7", 26#, 5814', 8-3/4", 1125 SX, none.

29. LINER RECORD

Table with columns: SIZE, TOP (MD), BOTTOM (MD), SACKS CEMENT*, SCREEN (MD). Row: none.

30. TUBING RECORD

Table with columns: SIZE, DEPTH SET (MD), PACKER SET (MD). Row: 2-7/8", 5441' KB, 5441' KB.

31. PERFORATION RECORD (Interval, size and number)

Ismay 5504' - 10', 5518' - 24'
5529' - 35', 5540' - 45'
5553' - 62', 4 shots/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

Table with columns: DEPTH INTERVAL (MD), AMOUNT AND KIND OF MATERIAL USED. Row: no production treatment.

33.* PRODUCTION

Table with columns: DATE FIRST PRODUCTION, PRODUCTION METHOD, WELL STATUS, DATE OF TEST, HOURS TESTED, CHOKER SIZE, PROD'N. FOR TEST PERIOD, OIL-BBL., GAS-MCF., WATER-BBL., GAS-OIL RATIO, FLOW. TUBING PRESS., CASING PRESSURE, CALCULATED 24-HOUR RATE, OIL-BBL., GAS-MCF., WATER-BBL., OIL GRAVITY-API (CORR.).

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Will be sold when gas facilities are completed during Dec., 1983

TEST WITNESSED BY Jim Van Gilder (MOC)

35. LIST OF ATTACHMENTS

one

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [Signature]

TITLE District Operations Manager

DATE 11-23-83

*(See Instructions and Spaces for Additional Data on Reverse Side)

[Handwritten mark]

TIN CUP MESA #4-26

LOGS

10/16/83	Schlumberger
11/02/83	Schlumberger
11/02/83	Schlumberger
11/03/83	Schlumberger

~~DLL-SP-GR-CAI~~
~~DLL-MSEL-GR~~
~~CNL-NGT-LDT~~
~~Sonic~~
CCL-GR-CBL-Wave Form

DRILLER'S FORMATION TOPS

Shinarump	2,397'
Moenkopi	2,469'
Cutler	2,540'
Honaker Trail	4,352'
Paradox	5,286'
Upper Ismay	5,442'
Hovenweep	5,585'
Lower Ismay	5,628'
Desert Creek	5,694'
Chimney Rock	5,766'
Akah	5,793'
TD	5,815'

CORES

Core #1	5,450'-5,510'	Recovered 60'
Core #2	5,510'-5,570'	Recovered 60'
Core #3	5,570'-5,590'	Recovered 20'
Core #4	5,745'-5,804'	Recovered 59'

RECEIVED

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

MARATHON OIL COMPANY
TIN CUP MESA 4-26 NOV 30 1983
TIN CUP MESA FIELD
SAN JUAN COUNTY, DIVISION OF

DATE : 29-OCT-83
FORMATION : ISMAY
DRLG. FLUID: WATER BASE MUD
LOCATION : NE SE NE SEC 26, T38S, R25E

FILE NO : 3803-3301
ANALYSTS : G.G.
ELEVATION: 5125 KB

DIVISION OF
OIL, GAS & MINING

1/2 INCH DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

PRELIMINARY REPORT

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	AIR (MD) 90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
	5450.0-53.0							SHL/LM-NO ANALYSIS
	5453.0-57.0							ANHYDRITE-NO ANALYSIS
	5457.0-62.0							ANHY/LM/SHL-NO ANALYSIS
1	5462.0-63.0	<0.01	*	0.6	15.2	30.4	2.75	LM GRY VFXLN
2	5463.0-64.0	0.20	0.14	2.4	2.6	15.6	2.77	LM GRY VFXLN
3	5464.0-65.0	0.25	0.15	3.6	3.3	16.4	2.76	LM GRY VFXLN
4	5465.0-66.0	0.25	0.22	6.1	2.0	10.0	2.74	LM GRY VFXLN SL/VUG
5	5466.0-67.0	6.00	5.10	16.1	1.9	45.6	2.83	DOL BRN VFXLN/RTHY SL/ANHY
6	5467.0-68.0	61.	*	32.3	1.4	49.2	2.89	DOL BRN VFXLN/RTHY SL/ANHY
7	5468.0-69.0	51.	50.	29.5	1.7	43.8	2.85	DOL BRN VFXLN/RTHY SL/ANHY
8	5469.0-70.0	48.	43.	27.5	0.8	29.1	2.86	DOL BRN VFXLN/RTHY SL/ANHY
9	5470.0-71.0	26.	24.	24.1	0.9	30.0	2.86	DOL BRN VFXLN/RTHY SL/ANHY
10	5471.0-72.0	15.	15.	18.4	0.8	32.4	2.87	DOL BRN VFXLN/RTHY SL/ANHY
11	5472.0-73.0	39.	36.	23.7	0.7	29.0	2.86	DOL BRN VFXLN/RTHY SL/ANHY
12	5473.0-74.0	15.	15.	20.0	1.0	40.2	2.87	DOL BRN VFXLN/RTHY SL/ANHY
13	5474.0-75.0	42.	41.	24.2	0.4	32.6	2.85	DOL BRN VFXLN/RTHY SL/ANHY
14	5475.0-76.0	35.	34.	22.9	0.7	34.0	2.85	DOL BRN VFXLN/RTHY SL/ANHY
15	5476.0-77.0	9.10	9.00	16.0	0.4	29.7	2.87	DOL BRN VFXLN/RTHY SL/ANHY OVF
16	5477.0-78.0	14.	*	14.6	0.8	32.9	2.87	DOL BRN VFXLN/RTHY SL/ANHY OVF
17	5478.0-79.0	3.40	*	13.9	2.3	30.8	2.83	DOL BRN VFXLN/RTHY SL/ANHY SL/VUG OVF
18	5479.0-80.0	3.50	3.10	11.6	2.9	31.2	2.84	DOL BRN VFXLN/RTHY SL/ANHY
19	5480.0-81.0	5.20	5.20	13.0	4.4	41.0	2.82	DOL BRN VFXLN/RTHY SL/ANHY
20	5481.0-82.0	2.20	2.20	8.6	5.4	32.3	2.81	DOL BRN VFXLN/RTHY SL/ANHY OVF
21	5482.0-83.0	0.08	*	4.6	2.4	24.3	2.80	DOL BRN VFXLN/RTHY SL/ANHY OVF
22	5483.0-84.0	<0.01	*	3.5	7.9	31.6	2.80	DOL BRN VFXLN/RTHY SL/ANHY OVF
23	5484.0-85.0	0.28	0.24	6.4	1.5	35.3	2.80	DOL BRN VFXLN/RTHY OVF
24	5485.0-86.0	0.50	0.33	0.9	3.8	45.8	2.74	LM GRY VFXLN SL/ANHY
25	5486.0-87.0	<0.01	<0.01	1.2	0.0	19.4	2.71	LM GRY VFXLN SL/ANHY

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 2

MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : ISMAY

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS---BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
26	5487.0-88.0	<0.01	<0.01	5.5	9.6	46.6	2.80	DOL BRN VFXLN/RTHY
27	5488.0-89.0	9.00	8.70	22.0	17.8	31.4	2.82	DOL BRN VFXLN/RTHY SL/ANHY
28	5489.0-90.0	2.80	2.60	14.7	18.8	36.5	2.84	DOL BRN VFXLN/RTHY SL/ANHY
29	5490.0-91.0	20.	*	21.3	11.8	30.5	2.84	DOL BRN VFXLN/RTHY SL/VUG
30	5491.0-92.0	0.64	0.44	16.9	9.3	33.1	2.82	DOL BRN VFXLN/RTHY
31	5492.0-93.0	3.20	2.00	12.7	16.2	40.5	2.82	DOL BRN VFXLN/RTHY
32	5493.0-94.0	1.10	0.86	7.9	14.6	35.1	2.80	DOL BRN VFXLN
33	5494.0-95.0	0.45	*	6.5	4.5	50.0	2.81	DOL BRN VFXLN
34	5495.0-96.0	0.50	0.39	5.7	12.6	50.5	2.79	DOL BRN VFXLN
35	5496.0-97.0	1.10	0.84	4.0	9.1	36.3	2.77	DOL BRN VFXLN
36	5497.0-98.0	4.30	2.40	7.1	4.7	29.9	2.76	DOL BRN VFXLN
37	5498.0-99.0	3.30	3.30	8.9	10.9	50.9	2.74	DOL BRN VFXLN SL/VUG
38	5499.0-00.0	1.50	1.50	8.2	10.8	28.9	2.78	DOL BRN VFXLN
39	5500.0-01.0	6.60	6.20	13.0	9.6	34.6	2.81	DOL BRN VFXLN
40	5501.0-02.0	8.90	8.20	15.6	10.1	45.5	2.85	DOL BRN VFXLN/RTHY SL/ANHY
41	5502.0-03.0	6.50	6.10	24.6	17.4	52.9	2.80	DOL BRN VFXLN/RTHY SL/ANHY
42	5503.0-04.0	8.90	8.50	25.8	15.5	48.0	2.81	DOL BRN VFXLN/RTHY SL/ANHY
43	5504.0-05.0	3.80	*	22.7	17.8	51.4	2.81	DOL BRN VFXLN/RTHY OVF
44	5505.0-06.0	1.70	1.60	11.8	10.6	63.8	2.78	DOL BRN VFXLN/RTHY R
45	5506.0-07.0	0.14	0.12	10.1	9.4	55.7	2.77	LM GRY VFXLN DOL
46	5507.0-08.0	0.20	0.18	3.8	0.9	68.1	2.76	LM GRY VFXLN DOL
47	5508.0-09.0	0.04	0.03	5.9	0.0	70.5	2.77	LM GRY VFXLN DOL
48	5509.0-10.0	1.40	1.20	19.2	0.6	69.9	2.81	DOL BRN VFXLN/RTHY
49	5510.0-11.0	1.20	1.00	9.7	8.3	52.2	2.80	LM GRY/BRN VFXLN DOL
50	5511.0-12.0	0.63	0.47	7.0	1.9	60.8	2.77	LM GRY/BRN VFXLN DOL
51	5512.0-13.0	0.41	0.39	9.2	6.9	50.0	2.78	LM GRY/BRN VFXLN DOL
52	5513.0-14.0	0.77	0.75	11.5	8.8	39.3	2.75	LM GRY/BRN VFXLN DOL
53	5514.0-15.0	4.20	4.00	10.0	8.5	46.1	2.79	LM GRY/BRN VFXLN DOL
54	5515.0-16.0	3.40	2.40	13.2	11.1	31.2	2.81	LM GRY/BRN VFXLN DOL
55	5516.0-17.0	29.	25.	14.8	10.4	34.6	2.79	LM GRY/BRN VFXLN DOL

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 3

MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : ISMAY

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
56	5517.0-18.0	23.	14.	14.4	9.9	33.3	2.77	LM GRY/BRN VFXLN DOL
57	5518.0-19.0	11.	10.	14.9	11.9	34.2	2.77	LM GRY/BRN VFXLN DOL
58	5519.0-20.0	12.	11.	14.9	12.9	35.8	2.78	LM GRY/BRN VFXLN DOL
59	5520.0-21.0	8.80	8.50	14.9	10.2	29.4	2.78	LM GRY/BRN VFXLN DOL
60	5521.0-22.0	3.50	3.40	9.8	10.5	36.1	2.79	LM GRY/BRN VFXLN DOL
61	5522.0-23.0	3.60	1.80	10.2	10.7	28.9	2.79	LM GRY/BRN VFXLN DOL
62	5523.0-24.0	1.20	1.10	9.3	11.9	29.7	2.81	LM GRY/BRN VFXLN DOL
63	5524.0-25.0	0.72	0.67	9.2	8.8	28.5	2.80	LM GRY/BRN VFXLN DOL
64	5525.0-26.0	0.92	0.75	10.3	10.6	45.2	2.83	DOL BRN VFXLN SL/ANHY
65	5526.0-27.0	1.20	0.93	9.4	0.8	61.0	2.86	DOL BRN VFXLN SL/ANHY
66	5527.0-28.0	5.80	5.60	15.4	7.8	32.7	2.77	LM GRY/BRN VFXLN
67	5528.0-29.0	1.50	1.50	11.5	6.4	43.8	2.79	LM GRY/BRN VFXLN
68	5529.0-30.0	7.30	5.90	17.2	6.8	36.3	2.77	LM GRY/BRN VFXLN
69	5530.0-31.0	5.60	4.60	16.5	7.4	37.8	2.75	LM GRY/BRN VFXLN
70	5531.0-32.0	7.50	7.50	15.4	7.7	35.8	2.73	LM GRY/BRN VFXLN
71	5532.0-33.0	4.80	4.70	14.6	10.7	40.1	2.79	LM GRY/BRN VFXLN DOL
72	5533.0-34.0	3.60	1.90	13.1	9.0	38.7	2.74	LM GRY/BRN VFXLN
73	5534.0-35.0	0.79	*	11.4	5.0	33.2	2.72	LM GRY/BRN VFXLN DVF
74	5535.0-36.0	0.17	0.13	6.5	10.5	22.3	2.75	LM GRY/BRN VFXLN DOL STY
75	5536.0-37.0	0.39	0.37	8.7	5.6	47.0	2.73	LM GRY/BRN VFXLN
76	5537.0-38.0	38.	*	26.8	9.4	51.2	2.86	DOL BRN VFXLN/RTHY
77	5538.0-39.0	19.	17.	21.0	9.0	45.7	2.84	DOL BRN VFXLN/RTHY
78	5539.0-40.0	0.51	0.43	7.8	5.1	43.9	2.76	DOL GRY/BRN VFXLN CALC
79	5540.0-41.0	6.10	5.00	18.6	5.9	40.2	2.83	DOL BRN VFXLN/RTHY
80	5541.0-42.0	15.	14.	23.9	12.6	30.0	2.82	DOL BRN VFXLN/RTHY
81	5542.0-43.0	0.05	0.02	6.6	4.0	50.1	2.75	LM GRY VFXLN DOL STY
82	5543.0-44.0	0.05	0.05	5.0	0.0	51.4	2.76	LM GRY VFXLN DOL
83	5544.0-45.0	0.71	0.05	4.0	3.1	68.2	2.75	LM GRY VFXLN DOL
84	5545.0-46.0	2.90	2.70	19.2	15.6	56.1	2.80	DOL BRN VFXLN/RTHY STY
85	5546.0-47.0	5.70	5.60	19.6	13.9	42.7	2.82	DOL BRN VFXLN/RTHY

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MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : ISMAY

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
86	5547.0-48.0	21.	21.	24.0	9.5	40.8	2.82	DOL BRN VFXLN/RTHY
87	5548.0-49.0	2.70	2.40	7.5	6.0	23.9	2.72	LM GRY/BRN VFXLN SL/VUG
88	5549.0-50.0	11.	9.30	12.6	6.3	29.4	2.74	LM GRY/BRN VFXLN SL/VUG
89	5550.0-51.0	9.40	4.30	12.4	11.8	44.3	2.74	LM GRY/BRN VFXLN SL/VUG
90	5551.0-52.0	2.50	2.10	9.0	5.0	28.7	2.80	LM GRY/BRN VFXLN SL/VUG
91	5552.0-53.0	13.	13.	11.9	7.8	38.0	2.73	LM GRY/BRN VFXLN SL/VUG
92	5553.0-54.0	2.90	2.60	10.9	6.7	32.7	2.74	LM GRY/BRN VFXLN SL/VUG
93	5554.0-55.0	12.	11.	13.7	5.2	37.8	2.74	LM GRY/BRN VFXLN SL/VUG
94	5555.0-56.0	7.30	5.60	13.5	4.9	28.5	2.72	LM GRY/BRN VFXLN SL/VUG
95	5556.0-57.0	5.00	4.20	12.4	6.1	51.0	2.74	LM GRY/BRN VFXLN SL/VUG
96	5557.0-58.0	7.00	6.80	13.3	4.1	37.3	2.72	LM GRY/BRN VFXLN SL/VUG
97	5558.0-59.0	9.20	5.40	12.8	4.1	35.7	2.76	LM GRY/BRN VFXLN SL/VUG
98	5559.0-60.0	2.30	1.80	8.9	5.1	39.2	2.74	LM GRY/BRN VFXLN SL/VUG
99	5560.0-61.0	0.88	0.57	9.9	1.4	46.3	2.74	LM GRY/BRN VFXLN SL/VUG
100	5561.0-62.0	1.10	0.80	10.5	4.9	30.8	2.72	LM GRY/BRN VFXLN SL/VUG
101	5562.0-63.0	0.34	0.32	8.3	0.0	50.7	2.77	LM GRY/BRN VFXLN DOL SL/VUG
102	5563.0-64.0	6.70	2.70	10.6	0.0	50.5	2.74	LM GRY/BRN VFXLN DOL SL/VUG
103	5564.0-65.0	2.20	1.40	10.2	1.3	45.3	2.74	LM GRY/BRN VFXLN DOL SL/VUG
104	5565.0-66.0	1.30	1.10	10.2	2.0	51.0	2.75	LM GRY/BRN VFXLN DOL SL/VUG
105	5566.0-67.0	1.20	1.20	9.2	0.0	55.0	2.75	LM GRY/BRN VFXLN DOL SL/VUG
106	5567.0-68.0	0.66	0.48	8.3	1.4	55.8	2.75	LM GRY/BRN VFXLN DOL SL/VUG
107	5568.0-69.0	3.20	1.40	9.4	4.4	45.8	2.76	LM GRY/BRN VFXLN DOL SL/VUG
108	5569.0-70.0	3.90	3.50	11.1	3.9	26.4	2.76	LM GRY/BRN VFXLN DOL SL/VUG
109	5570.0-71.0	2.20	2.10	10.1	1.8	72.3	2.74	LM GRY/BRN VFXLN DOL SL/VUG
110	5571.0-72.0	1.60	1.10	11.6	0.8	66.6	2.75	LM GRY/BRN VFXLN DOL SL/VUG
111	5572.0-73.0	1.00	0.98	11.2	0.8	67.9	2.77	LM GRY/BRN VFXLN DOL SL/VUG
112	5573.0-74.0	1.50	1.50	11.8	1.5	72.0	2.77	LM GRY/BRN VFXLN DOL SL/VUG
113	5574.0-75.0	2.10	2.00	12.9	0.8	76.6	2.77	LM GRY/BRN VFXLN DOL SL/VUG
114	5575.0-76.0	13.	13.	20.7	0.8	81.4	2.84	DOL GRY/BRN VFXLN
115	5576.0-77.0	0.98	0.90	10.8	0.7	88.0	2.76	LM GRY/BRN VFXLN DOL SL/VUG

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 5

MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : ISMAY

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	AIR (MD) 90 DEG	POR. He	FLUID SATS. OIL	WTR	GRAIN DEN	DESCRIPTION
116	5577.0-78.0	0.59	0.59	8.7	1.4	57.2	2.74	LM GRY/BRN VFXLN DOL SL/VUG
117	5578.0-79.0	1.60	0.63	4.5	0.0	59.8	2.75	LM GRY/BRN VFXLN DOL
118	5579.0-80.0	0.07	0.04	2.4	1.3	60.2	2.76	LM GRY/BRN VFXLN DOL
119	5580.0-81.0	1.30	1.20	13.0	3.1	73.3	2.83	DOL BRN VFXLN SL/ANHY
120	5581.0-82.0	1.90	1.80	17.3	2.1	72.0	2.81	DOL BRN VFXLN SL/ANHY
121	5582.0-83.0	2.40	2.40	19.7	2.4	72.0	2.80	DOL BRN VFXLN SL/ANHY
122	5583.0-84.0	1.50	1.30	18.5	2.8	72.6	2.79	DOL BRN VFXLN SL/ANHY
123	5584.0-85.0	0.02	0.01	5.1	3.0	72.7	2.79	DOL BRN VFXLN SL/ANHY
	5585.0-90.0							SHALE-NO ANALYSIS
	5590.0-91.0							LOST CORE

* SAMPLE NOT SUITABLE FOR FULL DIAMETER ANALYSIS

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CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE 1

MARATHON OIL COMPANY
 TIN CUP MESA 4-26
 TIN CUP MESA FIELD
 SAN JUAN COUNTY, UTAH

DATE : 29-OCT-83
 FORMATION : AS NOTED
 DRLG. FLUID: WATER BASE MUD
 LOCATION : NE SE NE SEC 26, T38S, R25E

FILE NO : 3803-3301
 ANALYSTS : G.G.
 ELEVATION: 5125 KB

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD) MAXIMUM	90 DEG	POR. He	FLUID OIL	SATS. WTR	GRAIN DEN	DESCRIPTION
DESERT CREEK FORMATION								
	5743.0-51.0							ANHYDRITE--NO ANALYSIS
124	5751.0-52.0	<0.01	*	6.9	8.9	71.4	2.75	LM GRY VFXLN
125	5752.0-53.0	<0.01	*	6.0	12.3	70.2	2.75	LM GRY VFXLN
126	5753.0-54.0	0.01	*	5.6	15.1	64.8	2.71	LM GRY VFXLN
127	5754.0-55.0	<0.01	*	4.4	2.2	79.5	2.73	LM GRY VFXLN
128	5755.0-56.0	<0.01	*	3.1	0.0	76.6	2.75	LM GRY VFXLN
129	5756.0-57.0	<0.01	*	2.0	9.4	56.3	2.73	LM GRY VFXLN
130	5757.0-58.0	<0.01	*	2.6	6.7	74.1	2.72	LM GRY VFXLN
	5758.0-62.0							SHL/LM/DOL--NO ANALYSIS
131	5762.0-63.0	<0.01	*	4.0	3.7	65.9	2.73	LM GRY VFXLN
132	5763.0-64.0	<0.01	*	2.8	0.0	63.2	2.72	LM GRY VFXLN
133	5764.0-65.0	<0.01	*	3.2	3.2	69.4	2.73	LM GRY VFXLN
134	5765.0-66.0	<0.01	*	1.6	0.0	62.0	2.72	LM GRY VFXLN
135	5766.0-67.0	<0.01	*	1.9	0.0	80.9	2.71	LM GRY VFXLN
136	5767.0-68.0	<0.01	*	2.2	4.5	71.3	2.72	LM GRY VFXLN
137	5768.0-69.0	0.01	*	3.4	7.2	57.6	2.73	LM GRY VFXLN
	5769.0-01.0							SHALE--NO ANALYSIS
	5801.0-03.0							ANHYDRITE--NO ANALYSIS

* SAMPLE NOT SUITABLE FOR FULL DIAMETER ANALYSIS

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VERTICAL SCALE: 5" = 100'

PRELIMINARY REPORT

Total Water _____

PERCENT PORE SPACE

100 80 60 40 20 0

Oil Saturation _____

PERCENT PORE SPACE

0 20 40 60 80 100

Gamma Ray

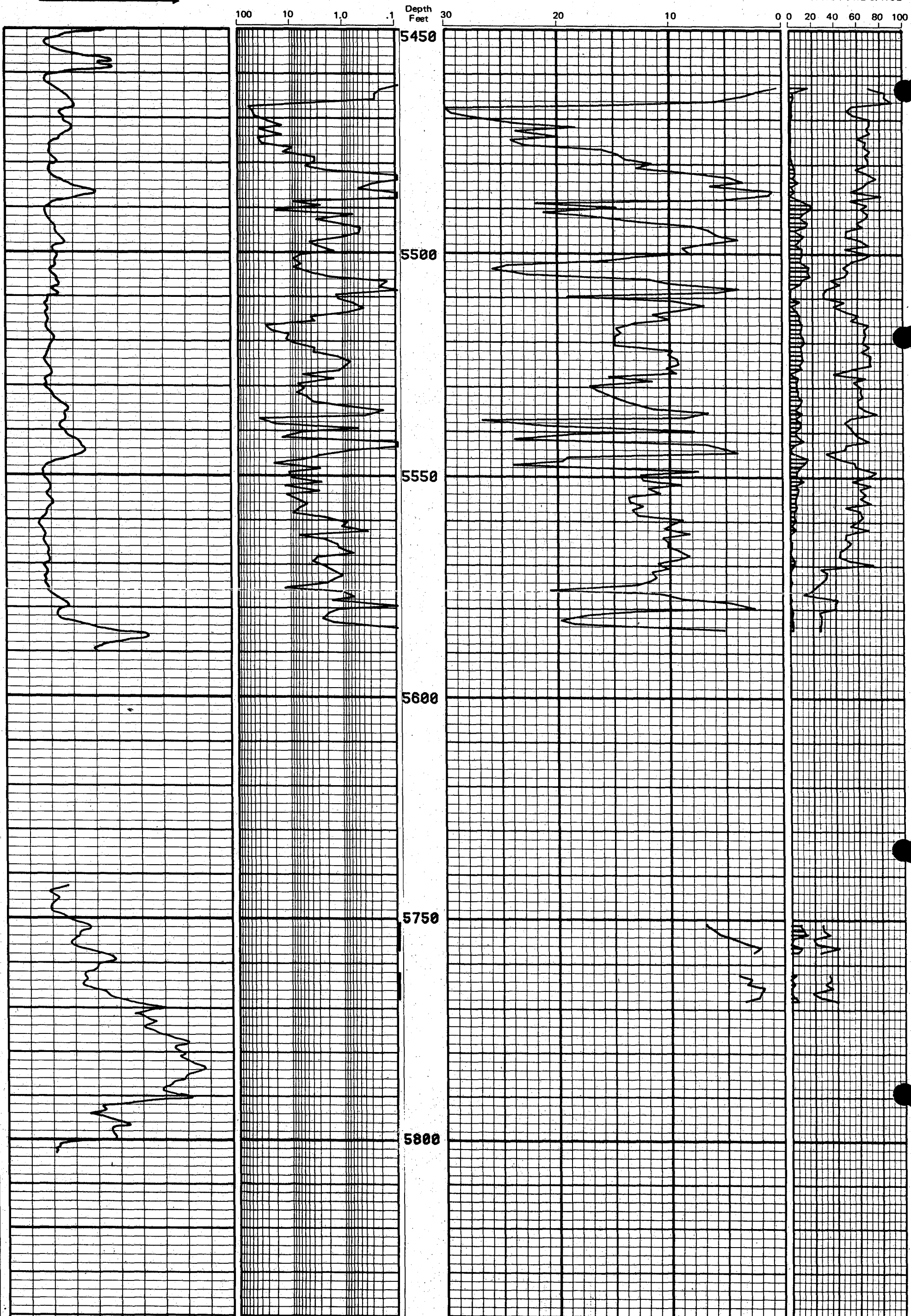
RADIATION INCREASE →

Permeability _____

MILLIDARCIES

Porosity _____

PERCENT



DRILL STEM TESTS

DST #1

Formation: Upper Ismay
Depth: 5,589'
Date: 11/4/83
Packer set at: 5,565'
IF 15 min. ISI 60 min. FF 6 hours
Had gas to surface 1 hour and 10 min. into FSI. Recovered 25 1/2 bbls. of gas cut water and 1 bbl. of oil.
Pressures: IF 116#-191#, ISI 2,073#, FF 360#-918#
Sample Chamber: 2,000 cc oil and gas cut water, 1 cu. ft. gas, 100# on guage.

DST #2

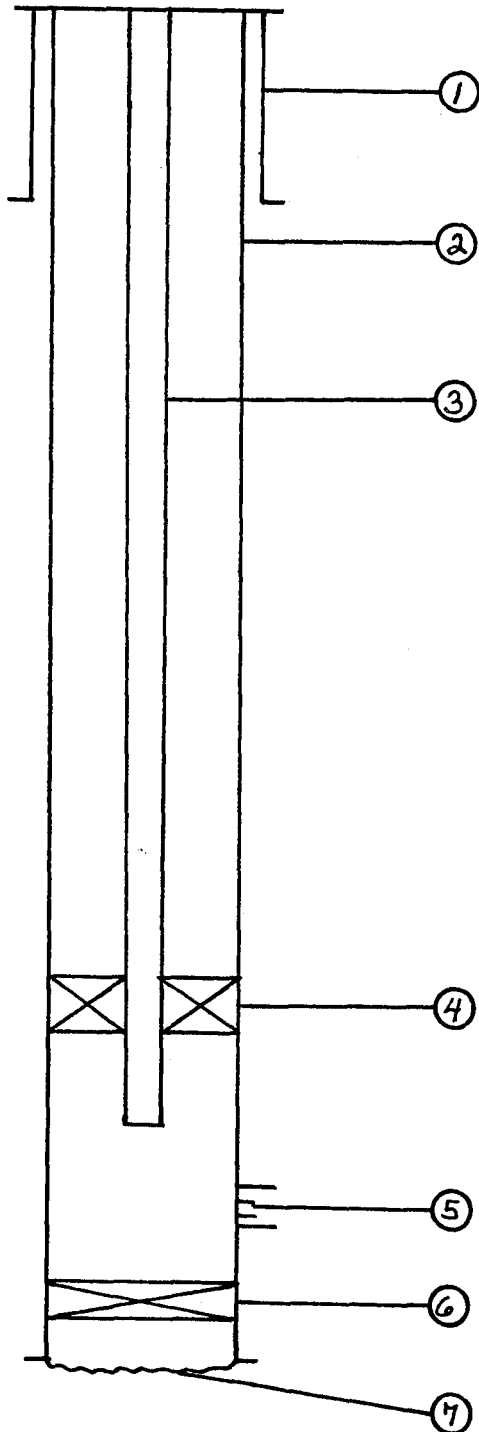
Formation: Upper Ismay
Depth: 5,486'
Date: 11/5/83
Packer set at: 5,461'
IF 5 min. ISI 40 min. FF 6 hours
Had gas to surface 4 1/2 hours into FSI. Recovered 4.15 bbls. of condensate with gravity above 50.
Pressures: ISI 2,030#, FF 1,712#
Sample Chamber: 2,150 cc condensate, 5 cu. ft. gas, 1,600# on guage.

DST #3

Formation: Upper Ismay
Depth: 5,511'
Date: 11/8/83
Packer set at: 5,486'
IF 5 min. ISI 15 min. FF 6 hours
Recovered 1,871' oil/water emulsion in drill pipe, which equals 5' fill, 9.2 bbls. oil with API gravity at 50°F, and 3.6 bbls. water.
Pressures: IF 295#, ISI 2,038#, FF 295#-600#, IHP 3,263#, FHP 3,200#
Sample Chamber: 2,150 cc gas with water cut oil.

TIN CUP MESA #4-26
AFE #5628-3
ALL MEASUREMENTS KB
5,112' GL 5,125' KB

DESCRIPTION



1. 9 5/8", 40#, N-80 csg. set at 1,500'
2. 7", 26#, K-55 csg. set at 5,814'
3. 2 7/8", 6.5#, N-80 tbg. landed at 5,441'
4. Packer set at 5,441'
5. Upper Ismay Perfs 5,504'-5,562'
6. PBTB 5,726'
7. TD 5,815'

Fmk

CORRECTED COPY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved
Budget Bureau No. 42-R355.5

8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface 1698' FNL & 720' FEL *LOCATION CORRECTED TO 1,698' FNL & 720' FEL
 At top prod. interval reported below
 At total depth

14. PERMIT NO. 43-037-30941 DATE ISSUED 10-4-83

5. LEASE DESIGNATION AND SERIAL NO.
U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
Tin Cup Mesa

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
4-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa Field

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH San Juan 13. STATE Utah
 15. DATE SPUNNED 10-14-83 16. DATE T.D. REACHED 11-2-83 17. DATE COMPL. (Ready to prod.) 11-23-83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5112' GL, 5125' KB 19. ELEV. CASINGHEAD --

20. TOTAL DEPTH, MD & TVD 5815' KB 21. PLUG, BACK T.D., MD & TVD 5726' KB 22. IF MULTIPLE COMPLETIONS HOW MANY* -- 23. INTERVALS DRILLED BY -- ROTARY TOOLS 0' - 5726' CABLE TOOLS --

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD) Ismay 5504' - 5562' KB 25. WAS DIRECTIONAL SURVEY MADE --

26. TYPE ELECTRIC AND OTHER LOGS RUN See Attachment 27. WAS WELL CORED yes

DIVISION OF
OIL, GAS & MINING

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40#	1500'	12-1/4"	610 SX	none
7"	26#	5814'	8-3/4"	1125 SX	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
		none		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	5441' KB	5441' KB

31. PERFORATION RECORD (Interval, size and number)
 Ismay 5504' - 10', 5518' - 24'
 5529' - 35', 5540' - 45'
 5553' - 62', 4 shots/ft.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
	no production treatment

33.* PRODUCTION

DATE FIRST PRODUCTION 11-23-83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11-23-83	24	16/64"	→	310	336	6	1084

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
475 psi	--	→	310	336	6	44°

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Will be sold when gas facilities are completed during Dec., 1983 TEST WITNESSED BY Jim Van Gilder (MOC)

35. LIST OF ATTACHMENTS one

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Daryl T Jones TITLE District Operations Manager DATE 11-23-83

*(See Instructions and Spaces for Additional Data on Reverse Side)

JG

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well gas well other

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
PO Box 2659, Casper WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1698' FNL & 720' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Please see attachment.			

5. LEASE
U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa Unit

9. WELL NO.
4-26

10. FIELD OR WILDCAT NAME
Tin Cup Field

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. API NO.
10-4-83 43-037-30941

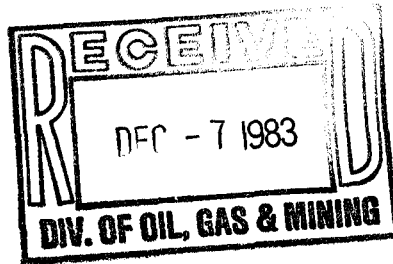
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5,112' GL, 5,125' KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

PROGRESS REPORT:

From: 11-17-83 To: 11-23-83



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct Drilling
SIGNED [Signature] TITLE Superintendent DATE 12-2-83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

TIN CUP MESA #4-26

11-17-83/

11-18-83

WAITING ON COMPLETION PROCEDURE.

11-19-83

RAN COIL TBG TO 5562'. SPOTTED 1000 GAL 15% HCL ACID ACROSS ISMAY ZONE. PERF THRU TBG W/4 SHOTS/FT. 5504-10', 5518-24', 5529-35', 5540-45' AND 5553-5562' DISPLACED ACID W/N2. WELL COMMENCED FLOWING TO SEPARATOR.

11-20-83

143 BO, 8 BW, 151 BF, 5% WC, 344 MCF/DAY, 400# TP, 16/64" CHOKE.

11-21-83

324 BO, 11 BW, 335 BF, 3% WC, 336 MCF, 480 PSI TP, 16/64" CHOKE.

11-22-83

307 BO, 4 BW, 311 BF, 1% WC, 336 MCF, 480 PSI, 16/64" SEP 50 PSI.

11-23-83

WELL COMPLETED TO FLOW TEST 24 HRS: CHOKE SIZE 16/64", 310 BOPD, 336 MCFD, 6 BOPD, TP 475 PSI, GRAVITY 44° API. FINAL REPORT.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1994-0000
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-31928 ✓
2. NAME OF OPERATOR Marathon Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, WY 82602		7. UNIT AGREEMENT NAME Tin Cup Mesa ✓
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Wells: #3-26, #4-26, #2-23, #3-23		8. FARM OR LEASE NAME Tin Cup Mesa Unit
14. PERMIT NO. N/A	15. ELEVATIONS (Show whether DF, RT, GR, etc.) N/A	9. WELL NO. All Unit Wells
		10. FIELD AND POOL, OR WILDCAT Tin Cup Mesa Field
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 23, Sec. 26, T38S, R25E
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data :

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Request to Commingle Production <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

We request approval to commingle the oil, gas, and water production from the four producing wells in the Tin Cup Mesa Unit. These wells are #2-23, #3-23, #3-26, and #4-26. The participating area for Well #3-26 was approved April 27, 1982. Applications for revision to the participating area were submitted as follows: Well #2-23 was submitted March 21, 1983, Well #3-23 was submitted October 17, 1983, and Well #4-26 was submitted November 23, 1983.

Commingled production will be allocated to the individual well on the basis of monthly well tests and gas analyses.

DIVISION OF
LAND MANAGEMENT

18. I hereby certify that the foregoing is true and correct

SIGNED

Doyle J. Jona

TITLE

District
Operations Manager

DATE

January 6, 1984

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

JKD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Gas Surface Facility		5. LEASE DESIGNATION AND SERIAL NO. U-31928
2. NAME OF OPERATOR Marathon Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2659, Casper, WY 82602		7. UNIT AGREEMENT NAME Tin Cup Mesa
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface --		8. FARM OR LEASE NAME Tin Cup Mesa
14. PERMIT NO. --	15. ELEVATIONS (Show whether DF, RT, GR, etc.) --	9. WELL NO. -- 4-26
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Tin Cup Mesa
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 25, T38S, R25E
		12. COUNTY OR PARISH 13. STATE San Juan Utah

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Other) Please See Below

(NOTE: Report results of multiple completion on Well Completion or Recombination Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

SURFACE FACILITIES, TIN CUP MESA UNIT

Reporting of unavoidable loss of oil, gas, or gas products due to equipment malfunctions, fires, line breaks, etc., shall be reported in accordance with NTL-4.

Emergencies requiring the venting or flaring of gas will be followed by specific requirements contained in Items 1 A. and 1 B. (1), (2), and (3) of the NTL-4.

Good engineering practices will be maintained at all times during the operation of Tin Cup Mesa surface facilities.

RECEIVED
JAN 18 1984

DIVISION OF
OIL, GAS & MINING
District

18. I hereby certify that the foregoing is true and correct.
SIGNED Doyle Jones TITLE Operations Manager DATE Jan. 16, 1984
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

JEO



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dr. G. A. (Jim) Shirazi, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

RECEIVED
FEB 9 1984

January 31, 1984

Attn Walt West
Marathon Oil Company
P.O. Box 2659
Casper WY 81602

Walt,
The CCL-GR-CBL-Wave Form log along
with a copy of final core analysis report
and DST reports were sent to Claudia
Jones this morning Elizabeth C. Strathouse

DIVISION OF
OIL, GAS & MINING

RE: Well No. Tin Cup Mesa 4-26 2-7-84
API #43-037-30941
1698' FNL, 720' FEL SE/NE
Sec. 26, T. 38S, R. 25E.
San Juan County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office November 23, 1983 on the above referred to well, indicates the following electric logs were run: CCL-GR-CBL-Wave Form. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

We will be happy to acknowledge receipt of your response to this notice if you will include an extra copy of the transmittal letter with a place for our signature, and a self addressed envelope for the return. Such acknowledgement should avoid unnecessary mailing of a second notice from our agency.

Your prompt attention to the above will be greatly appreciated.

Respectfully,

Claudia Jones

Claudia Jones
Well Records Specialist

RECEIVED

FEB 3 1984

CASPER DISTRICT
OPERATIONS
GOVERNMENT COMPLIANCE

CJ/cj

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-31928

POW

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

070728

7. UNIT AGREEMENT NAME

Tin Cup Mesa

8. FARM OR LEASE NAME

Tin Cup Mesa

9. WELL NO.

4-26

10. FIELD AND POOL, OR WILDCAT

Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 26, T38S, R25E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

1698' FNL & 720' FEL

RECEIVED

JUL 02 1987
DIVISION OF
OIL, GAS & MINING

14. PERMIT NO.

43-037-30941

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5112' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Shut-In

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) _____

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above referenced well has been shut-in. Marathon Oil Company requests approval to retain this well shut-in until a pumping unit can be installed to produce the well.

18. I hereby certify that the foregoing is true and correct
BLM Orig & 3 cc: SUDOGM-2, WRF, FMK, WTR, RDT, JLS, WRW, Title & Contract (Houston)

SIGNED RPMelan

TITLE Regulatory Coordinator

DATE June 9, 1987

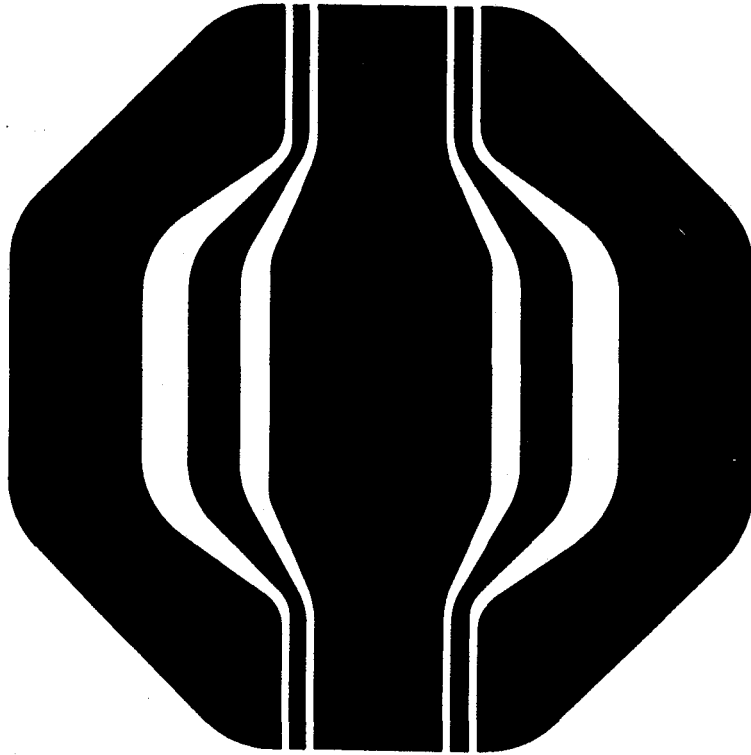
(This space for Federal or State office use)

APPROVED BY [Signature]
CONDITIONS OF APPROVAL, IF ANY:

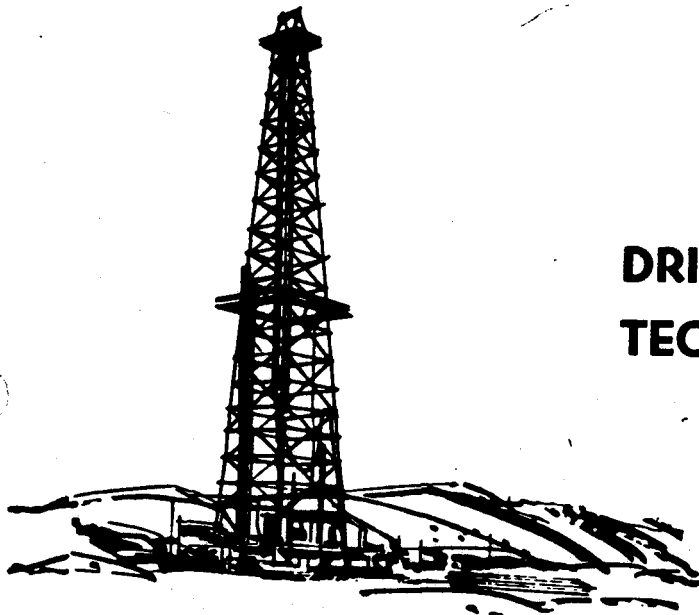
TITLE District Manager

DATE 6/16/87

*See Instructions on Reverse Side



LYNES



**DRILL STEM TEST
TECHNICAL SERVICE REPORT**

Operator Marathon Oil Company
P. O. Box 2659

Well Name and No. Tin Cup Mesa #4-26

DST No. 1

Operator Marathon Oil Company
P.O. Box 2659
Casper, Wyoming 82602

Well Name and No. Tin Cup Mesa #4-26

Tricket No. 04135

Date 11/3/83

No. Final Copies 5

DST No. 1

Contractor Energy Search
 Rig No. 1
 Spot SE - NE
 Sec. 28
 Twp. 36S
 Rng. 25E
 Field Tin Cup Mesa
 County San Juan
 State Utah
 Elevation 5107 Ft.
 Formation Lower Zone of Upper Ismay

Top Choke 1/4"
 Bottom Choke 1"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" XH 16.60#
 Size Wt. Pipe --
 I. D. of D. C. 2 1/4"
 Length of D. C. 486 Ft.
 Total Depth 5815 Ft.
 Interval Tested 5565 - 5590 Ft.
 Type of Test Inflate Straddle

Flow No. 1 15 Min.
 Shut-in No. 1 60 Min.
 Flow No. 2 360 Min.
 Shut-in No. 2 -- Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

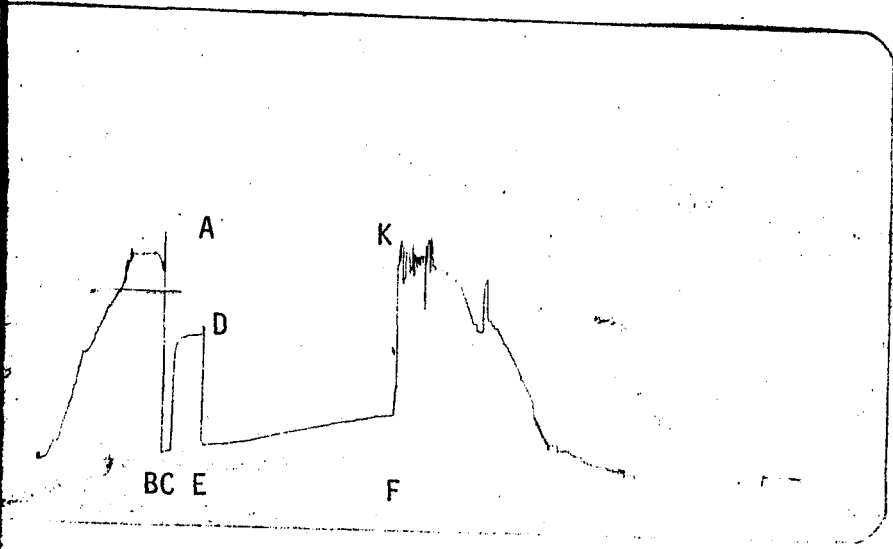
Bottom Hole Temp. 131.6° F
 Mud Weight 10.9
 Gravity --
 Viscosity 42

Tool opened @ 6:25 AM
 Outside Recorder

PRD Make Kuster K-3
 No. 16839 Cap. 6975 @ 5575

	Press	Corrected
Initial Hydrostatic	A	3093
Final Hydrostatic	K	3145
Initial Flow	B	106
Final Initial Flow	C	129
Initial Shut-in	D	1983
Second Initial Flow	E	221
Second Final Flow	F	745
Second Shut-in	G	--
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Rock Springs, Wy.
 Our Tester: Charles Tuzicka
 Witnessed By Mac Hanson



Did Well Flow - Gas Yes Oil No Water No

RECOVERY IN PIPE: (Test was reverse circulated)
 1866 Ft. oil and gas cut water = 21.9 bbls.

Blow Description:
 1st Flow: Tool opened with good blcw, 4 oz. at 1 minute, 4psi at 15 minutes

2nd Flow: Tool opened with good blow, 2 oz. at 1 minute, 10psi at 60 minutes. (See Gas Volume Report)

Comments: The test results indicate a mechanically successful test. This test consists of two flows and one shut-in only. A second shut-in was not requested.

T#: 1

TINCUP MESA #4-26

5565-5590

Location: 28-36S-25E
 Test Type: INFLATE STRADDLE
 Formation: LOWER ZONE OF UPPER ISMAY

Recorder Number: 1622
 Recorder Depth: 5575 ft.

TIME-PRESSURE LISTING

CHART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt	
				PSI	ABSCISSA
A	INITIAL HYDROSTATIC	0.0		2990.0	PRESSURE SQUARED PSI ² /10 ⁶
B	START OF 1st FLOW	0.0		116.0	
C	END OF 1st FLOW	15.0		191.0	
	1st SHUTIN PERIOD	0.0	0.0	191.0	0.0000
		2.0	2.0	193.0	8.5000
		4.0	305.0	496.0	4.7500
		6.0	609.0	800.0	3.5000
		8.0	1580.0	1771.0	2.8750
		10.0	1694.0	1885.0	2.5000
		20.0	1821.0	2012.0	1.7500
		30.0	1854.0	2045.0	1.5000
		40.0	1869.0	2060.0	1.3750*
		50.0	1878.0	2069.0	1.3000*
D	END OF 1st SHUTIN	60.0	1883.0	2074.0	1.2500*
E	START OF 2nd FLOW	0.0		360.0	
F	END OF 2nd FLOW	360.0		919.0	
G	END OF 2nd SHUTIN				
	FINAL HYDROSTATIC	0.0		3178.0	

* VALUES USED FOR EXTRAPOLATIONS

SHUT-IN:
 HORNER EXTRAPOLATION 2107.57 PSI
 HORNER SLOPE 342.60 PSI/cycle

OPERATOR: MARATHON OIL COMPANY

WELL NAME: TINCUP MESA #4-26

LOCATION: 28-36S-25E

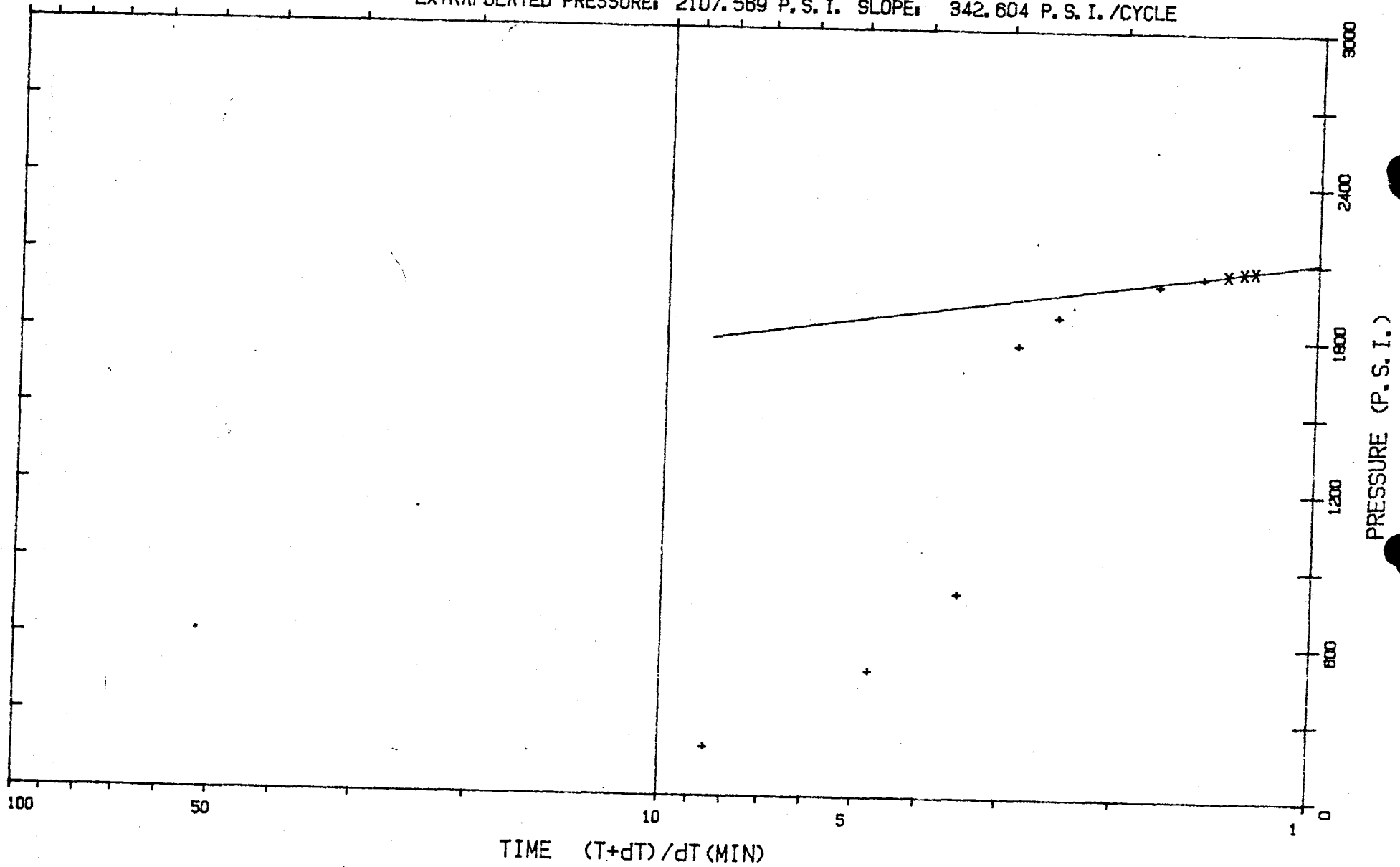
FIRST SHUT-IN

RECORDER: 1622

DST #: 1

DEPTH: 5575

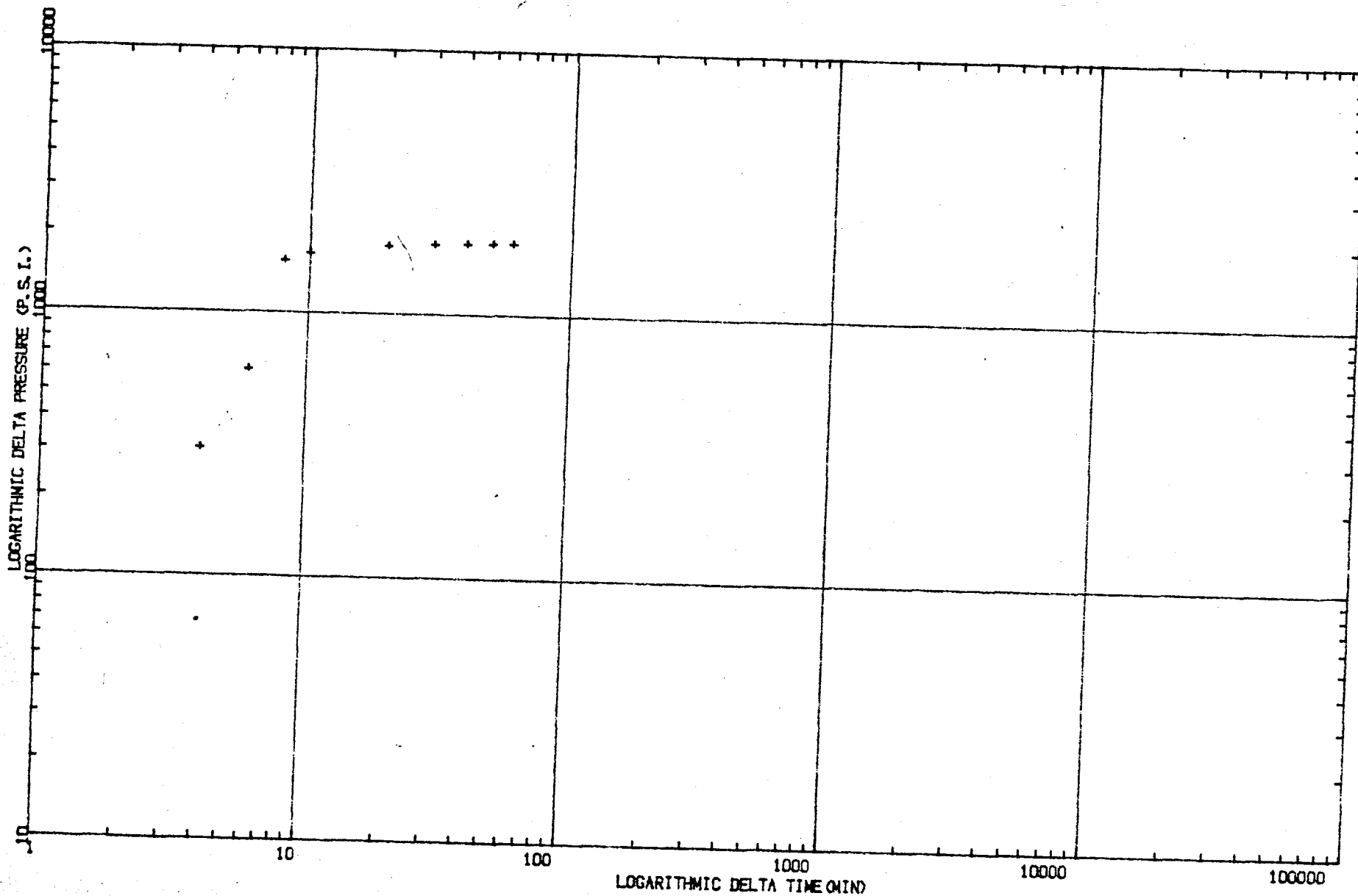
EXTRAPOLATED PRESSURE: 2107.589 P. S. I. SLOPE: 342.604 P. S. I. /CYCLE



OPERATOR: MARATHON OIL COMPANY
WELL NAME: TINCUP MESA #4-26
LOCATION: 28-36S-25E
FIRST SHUT-IN
RECORDER: 1622

DST #: 1

DEPTH: 5575



Location: 28-36S-25E
Test Type: INFLATE STRADDLE
Formation: LOWER ZONE OF UPPER

Recorder Number: 1622
Recorder Depth: 5575 ft.

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2150	cc
Volume of sample.....	2000	cc
Pressure in sampler.....	100	psig
Where sampler was drained...	on location	

Sampler contained:

Water	2000	cc	oil cut
Gas	1	cu-ft	

RESISTIVITY DATA:

Mud pit.....!
Make-up Water...!

4 @ 68F = 1350 PPM NACL
10 @ 60F = 6200 PPM NACL

LYNES, INC.

Gas Volume Report

Page 1

MARATHON OIL COMPANY

TIN CUP MESA #4-26

Operator

Well Name and No.

1

DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments
70	11	1/4"	38	
80	10	1/4"	36.8	
90	6	1/4"	30.9	
100	4	1/4"	28	
110	3	1/4"	26.5	
120	2	1/4"	25	
130	2	1/4"	25	
140	2	1/4"	25	
150	2	1/4"	25	
160	2	1/4"	25	
170	2	1/4"	25	
180	2	1/4"	25	
190	2	1/4"	25	
200	2	1/4"	25	
210	2	1/4"	25	
220	2	1/4"	25	
230	2	1/4"	25	
240	2	1/4"	25	
250	2	1/4"	25	
260	2	1/4"	25	
270	2	1/4"	25	

Remarks:

LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1622 CAP 5000 AT 5575

OPERATOR	Marathon Oil Company	WELL NAME	Tincup Mesa #4-26	TICKET NO.	04135	DST. NO.	1
05-48:00 T	118.312	08 12:00 T	124.125	10-36:00 T	130.687		
	3176.25		297.500		628.750		
	3175.00		303.750		632.500		
	3175.00		310.000		636.250		
	3175.00		317.500		641.250		
	3217.50		323.750		643.750		
	3208.75		328.750		647.500		
	3208.75		336.250		651.250		
06-04:00 T	119.375	08 28:00 T	126.750	10 52:00 T	130.912		
	3203.75		347.500		658.750		
	3213.75		353.750		662.500		
	3216.25		358.750		666.250		
	3217.50		363.750		670.000		
	3248.75		371.250		672.500		
	3160.00		376.250		676.250		
	3248.75		381.250		680.000		
06 20:00 T	119.562	08 44:00 T	128.000	11 08:00 T	131.000		
	3195.00		392.500		687.500		
	3135.00		397.500		690.000		
	3066.25		403.750		693.750		
	3051.25		408.750		697.500		
Initial Hydro. -	2990.00		413.750		700.000		
	2931.25		420.000		703.750		
	2870.00		425.000		706.250		
06-36:00 T	119.687	09 00:00 T	128.812	11 24:00 T	131.125		
Start 1st flow -	116.250		435.000		713.750		
	140.000		437.500		716.250		
	168.750		442.500		720.000		
	181.250		446.250		723.750		
	191.250		450.000		726.250		
End 1st flow -	191.250		453.750		730.000		
	192.500		457.500		733.750		
06-52:00 T	120.250	09-16:00 T	129.250	11 48:00 T	131.250		
	800.000		466.250		740.000		
	1771.25		470.000		743.750		
	1885.00		473.750		746.250		
	1935.00		478.750		748.750		
	1965.00		482.500		752.500		
	1986.25		487.500		755.000		
	2001.25		491.250		758.750		
07-08:00 T	121.875	09 32:00 T	129.562	11 56:00 T	131.250		
	2022.50		500.000		765.000		
	2030.00		503.750		768.750		
	2036.25		508.750		771.250		
	2041.25		512.500		773.750		
	2045.00		516.250		777.500		
	2050.00		521.250		780.000		
	2052.50		525.000		783.750		
07-24:00 T	122.375	09 48:00 T	129.937	12 12:00 T	131.312		
	2058.75		533.750		790.000		
	2060.00		537.500		792.500		
	2062.50		542.500		795.000		
	2063.75		546.250		798.750		
	2066.25		551.250		802.500		
	2067.50		555.000		805.000		
	2068.75		558.750		807.500		
07-40:00 T	122.625	10 04:00 T	130.250	12 28:00 T	131.375		
	2071.25		566.250		813.750		
	2072.50		571.250		816.250		
	2073.75		575.000		818.750		
End 1st shut-in -	2073.75		578.750		822.500		
Start 2nd flow -	360.000		582.500		826.250		
	243.750		586.250		828.750		
	208.750		590.000		831.250		
07-56:00 T	122.562	10:20:00 T	130.500	12 44:00 T	131.437		
	236.250		598.750		837.500		
	250.000		602.500		840.000		
	260.000		606.250		842.500		
	266.250		610.000		846.250		
	272.500		613.750		848.750		
	276.250		617.500		851.250		
	283.750		621.250		855.000		

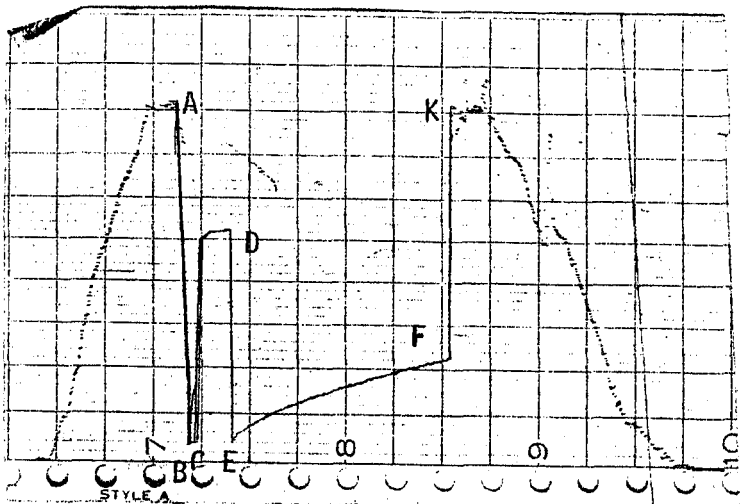
13 00:00 T 131.500
 860.000
 862.500
 865.000
 868.750
 871.250
 873.750
 876.250
 13 16:00 T 131.500
 881.250
 883.750
 886.250
 891.250
 893.750
 896.250
 13 32:00 T 131.500
 902.500
 905.000
 907.500
 911.250
 913.750
 916.250
 End 2nd flow -918.750
 13 48:00 T 131.625
 Final Hydro. - 3178.75
 3172.50
 3232.50
 3217.50
 3198.75
 2918.75
 3041.25
 14 04:00 T 128.562
 3188.75
 3187.50
 3116.25
 3098.75
 3121.25
 3561.25
 3188.75
 14 20:00 T 128.000

PRESSURE RECORDER NUMBER : 1622

DEPTH : 5575.00ft. LOCATION : OUTSIDE
TYPE : DMR CAPACITY : 5000.00PSI

PRESSURE
PSI

A) Initial Hydro : 2990.0
B) 1st Flow Start : 116.0
C) 1st Flow End : 191.0
D) END 1st Shutin : 2074.0
E) 2nd Flow Start : 360.0
F) 2nd Flow End : 919.0
K) Final Hydro. : 3178.0

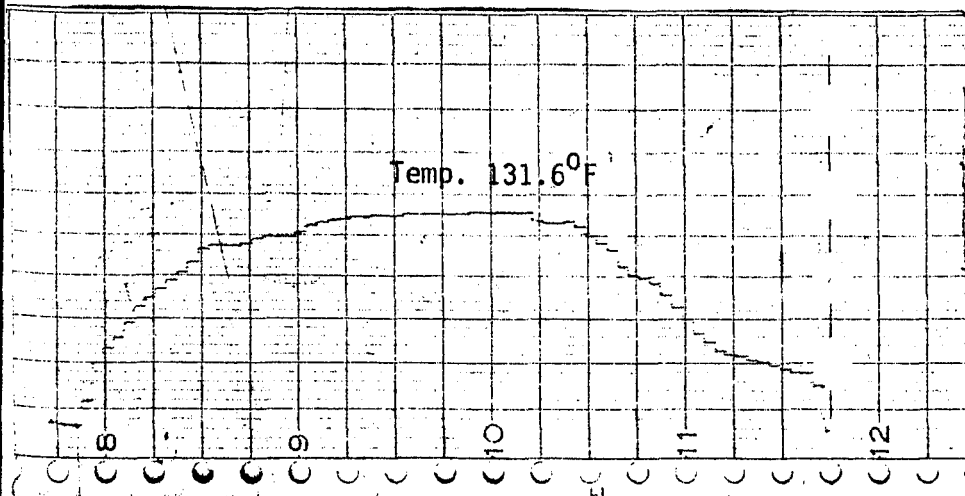


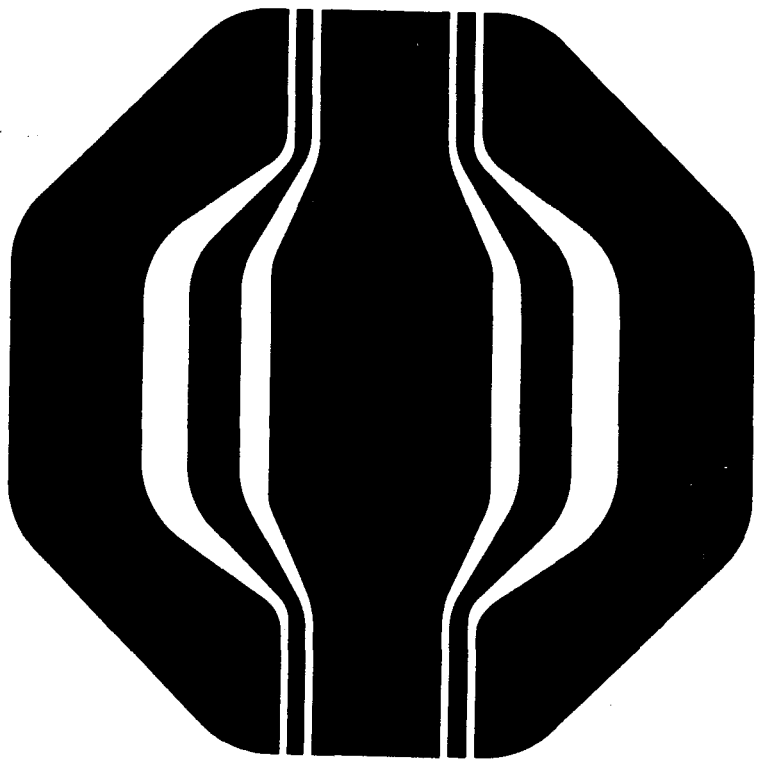
TEST TIMES(MIN)
1st FLOW : 15
SHUTIN: 60
2nd FLOW : 360

TEMPERATURE RECORDER NUMBER : 1622

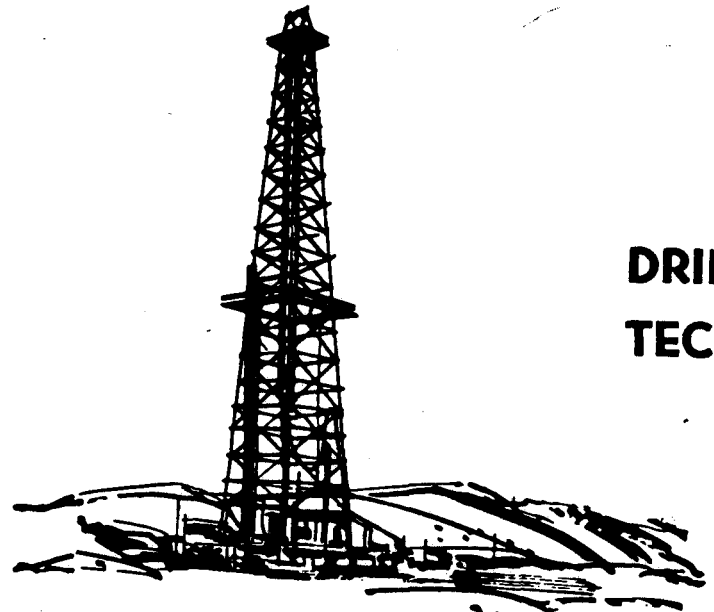
DEPTH : 5575.00ft. LOCATION : OUTSIDE
TYPE : DMR RANGE : 5000.00F

***** TEMPERATURE AT RECORDER DEPTH = 131.6 F





LYNES



DRILL STEM TEST TECHNICAL SERVICE REPORT

Operator Marathon Oil Company
P.O. Box 2659
Casper, Wyoming 82602

Well Name and No. Tin Cup Mesa #4-26

Ticket No. 04136

Date 11/5/83

No. Final Copies 5

DST No. 2

Contractor Energy Search
 Rig No. 1
 Spot SE - NE
 Sec. 28
 Twp. 36S
 Rng. 25E
 Field Tin Cup Mesa
 County San Juan
 State Utah
 Elevation 5107 Ft.
 Formation Upper Ismay

Top Choke 1/4"
 Bottom Choke 1"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" XH 16.60#
 Size Wt. Pipe --
 I. D. of D. C. 2 1/2"
 Length of D. C. 486 Ft.
 Total Depth 5815 Ft.
 Interval Tested 5465-5486 Ft.
 Type of Test Inflate
Straddle

Flow No. 1 5 Min.
 Shut-in No. 1 32 Min.
 Flow No. 2 360 Min.
 Shut-in No. 2 60 Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

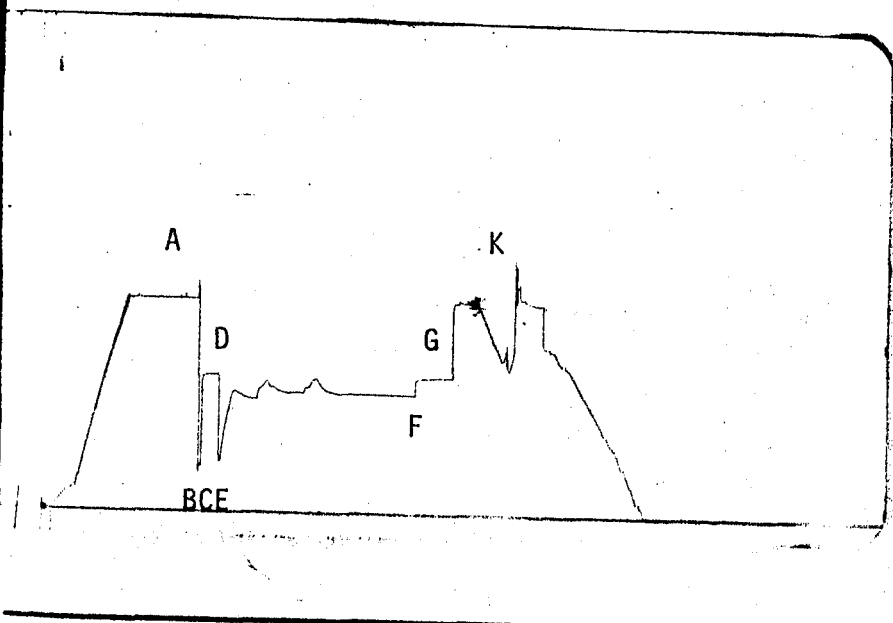
Bottom Hole Temp. 126^oF
 Mud Weight 10.9
 Gravity --
 Viscosity 40

Tool opened @ 6:30 AM
 Outside Recorder

PRD Make Kuster K-3
 No. 16839 Cap. 6975 @ 5471

	Press	Corrected
Initial Hydrostatic	A	3174
Final Hydrostatic	K	3168
Initial Flow	B	661
Final Initial Flow	C	673
Initial Shut-in	D	2044
Second Initial Flow	E	751
Second Final Flow	F	1777
Second Shut-in	G	2052
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Rock Springs, Wy
 Our Tester: Charles Tuzicka
 Witnessed By: Mac Hanson



Did Well Flow - Gas Yes Oil No Water No
 RECOVERY IN PIPE: (Test was reverse circulated.)
 (547 Ft. Water Cushion was run)
 291 Ft. Condensate = 1.42bbls.

Blow Description:
 1st Flow: Tool opened with a strong blow, bottom of bucket in 15 seconds, 2# in 1 minute, 255# in 5 minutes.
 2nd Flow: Tool opened with 20# in 2 minutes, 300# in 5 minutes, with 360 Ft Water Cushion to surface. (See Gas Volume Report)

Comments: The test results indicate a mechanically successful test. The flow and shut-in curves suggest high permeability within the zone tested.

cation: 28-36S-25E
 st Type: INFLATE STRADDLE
 rmation: UPPER ISMAY

Recorder Number: 1622
 Recorder Depth: 5471 ft.

TIME-PRESSURE LISTING

ART BEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt PSI	ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
	INITIAL HYDROSTATIC	0.0		3189.0		
	START OF 1st FLOW	0.0		623.0		
	END OF 1st FLOW	5.0		725.0		
	1st SHUTIN PERIOD	0.0	0.0	725.0	0.0000	
		2.0	298.0	1023.0	3.5000	
		4.0	1320.0	2045.0	2.2500	
		6.0	1329.0	2054.0	1.8333	
		8.0	1333.0	2058.0	1.6250	
		10.0	1336.0	2061.0	1.5000*	
		12.0	1338.0	2063.0	1.4167*	
		14.0	1339.0	2064.0	1.3571*	
		16.0	1339.0	2064.0	1.3125*	
		18.0	1340.0	2065.0	1.2778*	
		20.0	1340.0	2065.0	1.2500*	
		22.0	1340.0	2065.0	1.2273*	
		24.0	1341.0	2066.0	1.2083*	
		28.0	1341.0	2066.0	1.1786*	
		30.0	1342.0	2067.0	1.1667*	
	END OF 1st SHUTIN	32.0	1342.0	2067.0	1.1563*	
	START OF 2nd FLOW	0.0		803.0		
	END OF 2nd FLOW	360.0		1776.0		
	2nd SHUTIN PERIOD	0.0	0.0	1776.0	0.0000	
		2.0	238.0	2014.0	183.5000	
		4.0	246.0	2022.0	92.2500	
		6.0	254.0	2030.0	61.8333	
		8.0	258.0	2034.0	46.6250	
		10.0	260.0	2036.0	37.5000	
		12.0	262.0	2038.0	31.4167	
		14.0	263.0	2039.0	27.0714	
		16.0	265.0	2041.0	23.8125*	
		18.0	266.0	2042.0	21.2778*	
		20.0	267.0	2043.0	19.2500*	
		22.0	268.0	2044.0	17.5909*	
		24.0	269.0	2045.0	16.2083*	
		26.0	270.0	2046.0	15.0385*	
		28.0	270.0	2046.0	14.0357*	
		30.0	272.0	2048.0	13.1667*	
		32.0	272.0	2048.0	12.4063*	

#: 2
 TINCUP #4-26
 5461-5486

Location: 28-36S-25E
 Test Type: INFLATE STRADDLE
 Formation: UPPER ISMAY

Recorder Number: 1622
 Recorder Depth: 5471 ft.

TIME-PRESSURE LISTING

WELL LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE (T+dt)/dt		PRESSURE SQUARED PSI ² /10 ⁶
				PSI	ABSCISSA	
		34.0	273.0	2049.0	11.7353*	
		36.0	273.0	2049.0	11.1389*	
		38.0	273.0	2049.0	10.6053*	
		40.0	274.0	2050.0	10.1250*	
		42.0	274.0	2050.0	9.6905*	
		44.0	274.0	2050.0	9.2955*	
		46.0	275.0	2051.0	8.9348*	
		48.0	275.0	2051.0	8.6042*	
		50.0	275.0	2051.0	8.3000*	
		52.0	276.0	2052.0	8.0192*	
		54.0	276.0	2052.0	7.7593*	
		56.0	277.0	2053.0	7.5179*	
		58.0	277.0	2053.0	7.2931*	
	END OF 2nd SHUTIN	60.0	278.0	2054.0	7.0833*	
	FINAL HYDROSTATIC	0.0		3166.0		

* VALUES USED FOR EXTRAPOLATIONS

1st SHUT-IN:
 HORNER EXTRAPOLATION 2070.03 PSI
 HORNER SLOPE 49.82 PSI/cycle

2nd SHUT-IN
 HORNER EXTRAPOLATION 2073.41 PSI
 HORNER SLOPE 23.55 PSI/cycle

OPERATOR: MARATHON OIL COMPANY

WELL NAME: TINCUP #4-26

LOCATION: 28-36S-25E

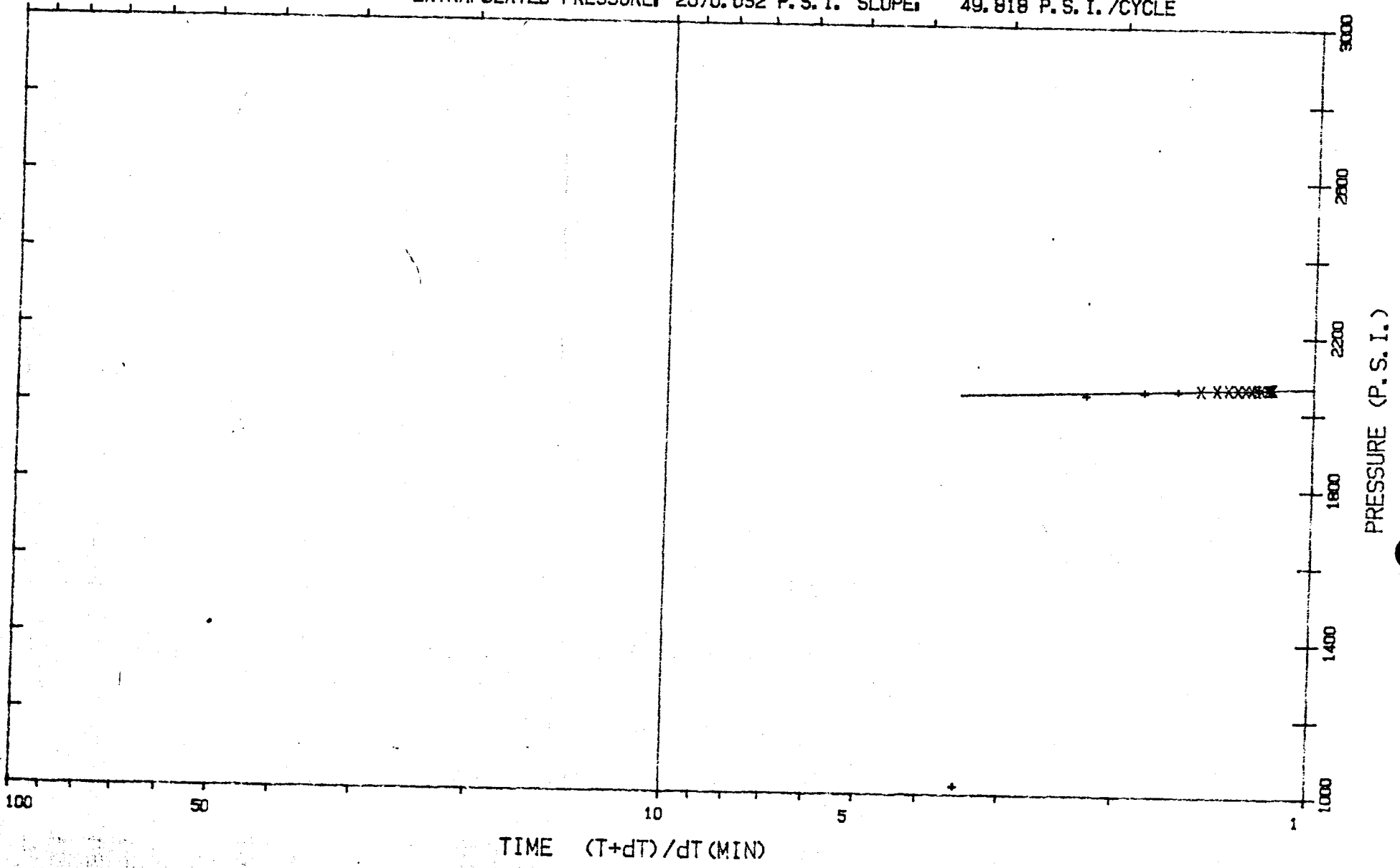
FIRST SHUT-IN

RECORDER: 1622

DST #: 2

DEPTH: 5471

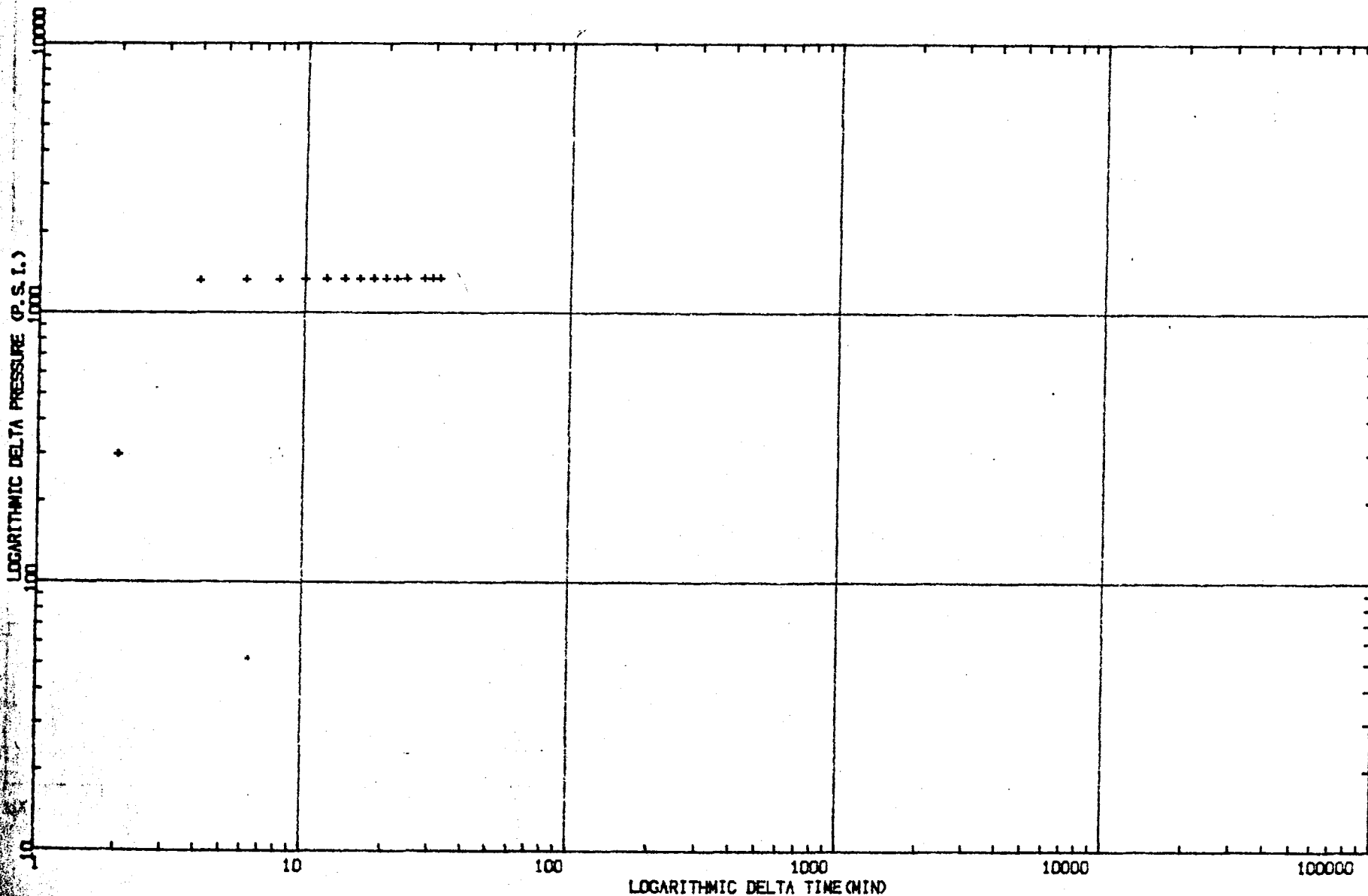
EXTRAPOLATED PRESSURE: 2070.032 P. S. I. SLOPE: 49.818 P. S. I. /CYCLE



OPERATOR: MARATHON OIL COMPANY
WELL NAME: TINCUP #4-26
LOCATION: 28-36S-25E
FIRST SHUT-IN
RECORDER: 1622

DST #: 2

DEPTH: 5471



OPERATOR: MARATHON OIL COMPANY

WELL NAME: TINCUP #4-26

LOCATION: 28-36S-25E

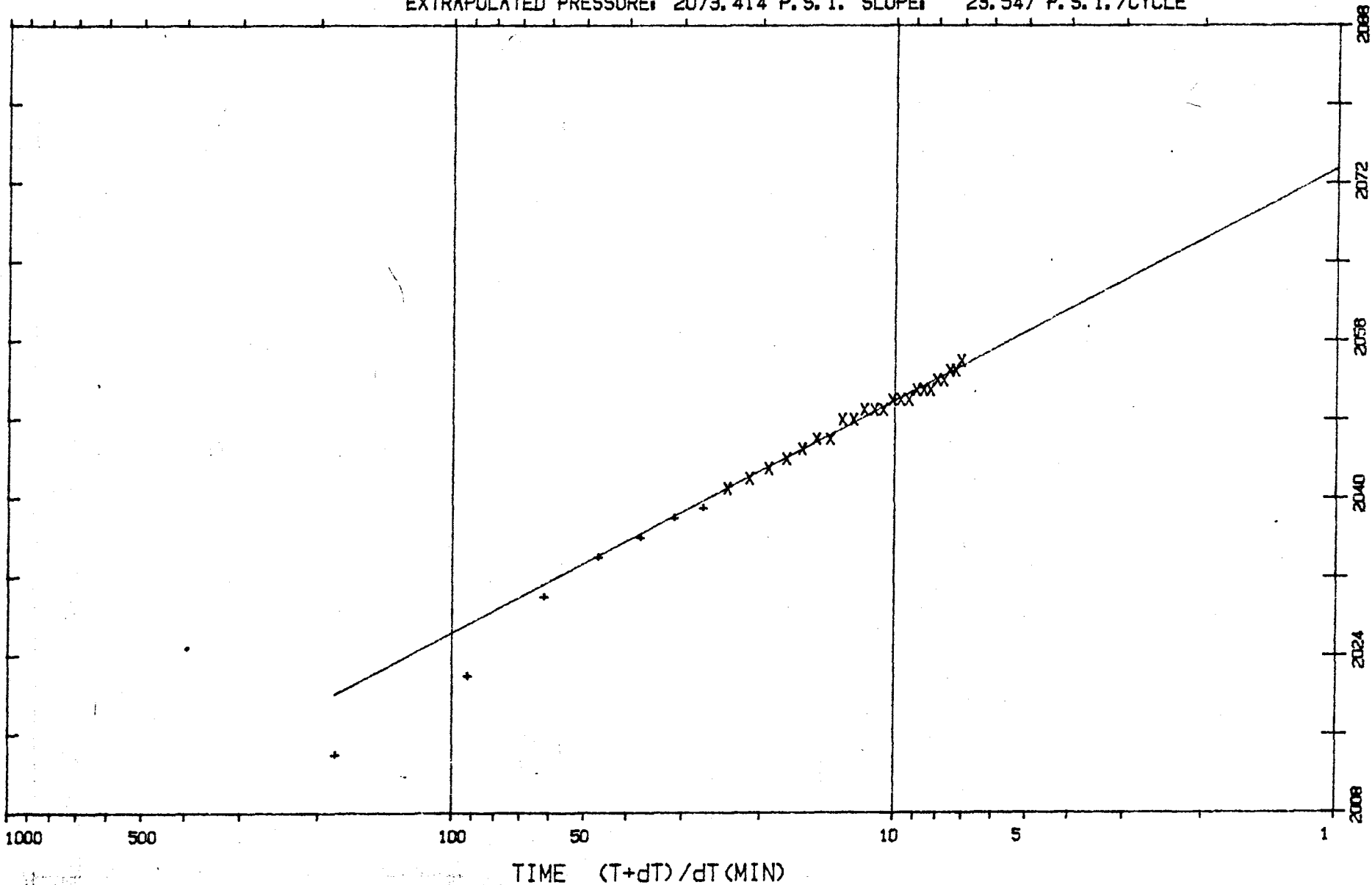
SECOND SHUT-IN

RECORDER: 1622

DST #: 2

DEPTH: 5471

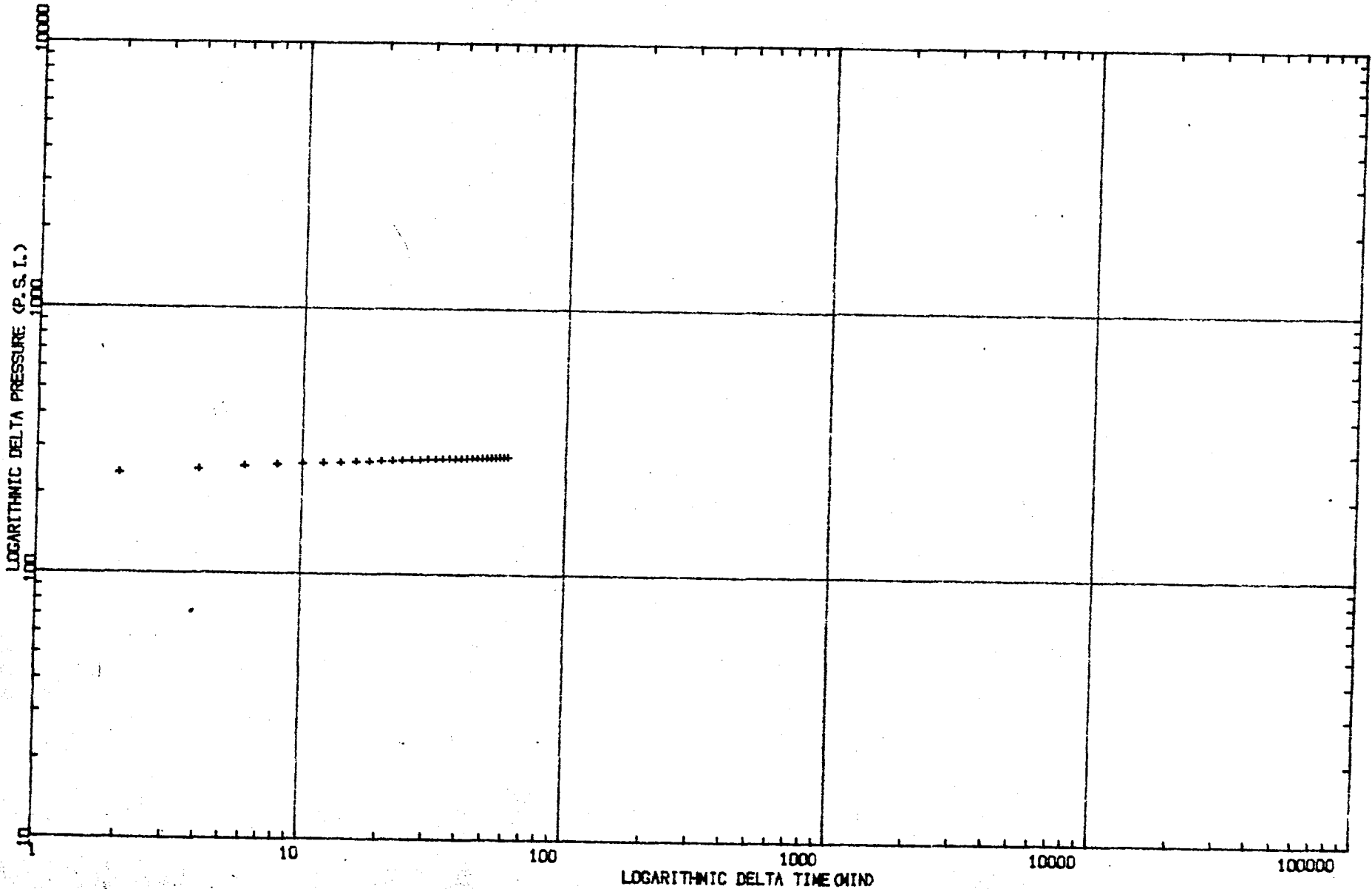
EXTRAPOLATED PRESSURE: 2073.414 P. S. I. SLOPE: 23.547 P. S. I. /CYCLE



OPERATOR: MARATHON OIL COMPANY
WELL NAME: TINCUP #4-26
LOCATION: 28-36S-25E
SECOND SHUT-IN
RECORDER: 1622

DST #: 2

DEPTH: 5471



WELLSBORO OIL COMPANY
LOT #: 2
T.CUP #4-26
5461-5486

Location: 28-36S-25E
Well Type: INFLATE STRADDLE
Formation: UPPER ISMAY

Recorder Number: 1622
Recorder Depth: 5471 ft.

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber 2150 cc
Volume of sample..... cc
Pressure in sampler..... 1600 psig
Where sampler was drained... on location

Sampler contained:
Oil trace cc @ Degrees F
Gas 5 cu-ft

RESISTIVITY DATA:

Mud pit.....: 4 @ 68F = 1350 PPM NACL
Make-up Water...: 10 @ 60F = 6200 PPM NACL

LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1622 CAP 5000 AT 5471

OPERATOR Marathon Oil Company

WELL NAME Tincup Mesa #4-26

TICKET NO. 04136

DST. NO. 2

<p>06:17:03 T 114.250 3190.00 3191.25 3172.50 3215.00 3188.75 3188.75 3190.00 06:33:03 T 115.312 3190.00 3188.75 3188.75 3188.75 3188.75 3188.75 3188.75 06:49:03 T 115.750 3188.75 Initial Hydro. 3188.75 3183.75 3177.50 3305.00 Start 1st flow 662.500 End 1st flow -725.000 07:05:03 T 113.875 2045.00 2053.75 2057.50 2061.25 2062.50 2063.75 2063.75 07:21:03 T 113.125 2065.00 2065.00 2066.25 2066.25 2066.25 2067.50 End 1st shut-in 2067.50 07:37:03 T 113.000 Start 2nd flow 802.500 927.500 1060.00 1170.00 1286.25 1382.50 1467.50 07:53:03 T 100.875 1592.50 1678.75 1751.25 1812.50 1800.00 1823.75 1807.50 08:09:03 T 109.937 1778.75 1768.75 1760.00 1738.75 1726.25 1720.00 1715.00 08:25:03 T 113.875 1711.25 1701.25 1701.25 1698.75 1692.50 1692.50 1697.50</p>	<p>08:41:03 T 114.812 1710.00 1702.50 1738.75 1806.25 1858.75 1871.25 1888.75 08:57:03 T 116.937 1918.75 1947.50 1975.00 1981.25 1956.25 1907.50 1862.50 09:13:03 T 119.062 1887.50 1881.25 1858.75 1843.75 1831.25 1821.25 1816.25 09:29:03 T 119.875 1806.25 1802.50 1798.75 1796.25 1792.50 1791.25 1791.25 09:45:03 T 119.625 1787.50 1788.75 1791.25 1791.25 1791.25 1797.50 1802.50 10:01:03 T 119.687 1797.50 1793.75 1791.25 1790.00 1790.00 1788.75 1827.50 10:17:03 T 120.000 1881.25 1878.75 1890.00 1908.75 1948.75 1976.25 1996.25 10:33:03 T 121.812 2021.25 2030.00 1986.25 1958.75 1938.75 1896.25 1866.25 10:49:03 T 122.250 1835.00 1823.75 1816.25 1810.00 1803.75 1801.25 1801.25</p>	<p>11:05:03 T 121.687 1795.00 1787.50 1782.50 1780.00 1776.25 1775.00 1772.50 11:21:03 T 121.000 1773.75 1787.50 1793.75 1791.25 1788.75 1785.00 1783.75 11:37:03 T 120.937 1778.75 1780.00 1778.75 1778.75 1778.75 1780.00 1778.75 11:53:03 T 120.937 1780.00 1782.50 1785.00 1785.00 1783.75 1782.50 1781.25 12:09:03 T 121.062 1785.00 1782.50 1782.50 1781.25 1780.00 1778.75 1781.25 12:25:03 T 121.250 1778.75 1778.75 1777.50 1778.75 1780.00 1777.50 1776.25 12:41:03 T 121.312 1778.75 1778.75 1777.50 1776.25 1778.75 1778.75 1778.75 1781.25 12:57:03 T 121.437 1777.50 1776.25 1777.50 1780.00 1778.75 1777.50 1777.50 13:13:03 T 121.562 1775.00 1776.25 1776.25 1776.25 1775.00 1776.25 1776.25</p>	<p>13:29:03 T 121.625 1775.00 1777.50 1776.25 1775.00 End 2nd flow -1776.25 2013.75 13:45:03 T 122.000 2030.00 2033.75 2036.25 2037.50 2038.75 2041.25 2042.50 14:01:03 T 123.312 2043.75 2045.00 2046.25 2046.25 2047.50 2047.50 2048.75 14:17:03 T 123.562 2048.75 2050.00 2050.00 2050.00 2051.25 2051.25 2051.25 14:33:03 T 123.812 2052.50 2052.50 2051.25 2052.50 2052.50 2053.75 End 2nd shut-in 2053.75 14:49:03 T 124.062 3098.75 3165.00 3171.25 Final Hydro. -3166.25 3167.50 3166.25 3187.50 15:05:03 T 126.125 3166.25 3168.75 3168.75 3167.50 3166.25 3190.00 3170.00 15:21:03 T 126.000 3168.75 3173.75 3197.50 3166.25 3170.00 3161.25 3152.50 15:37:03 T 124.312 3116.25 3076.25 3011.25 3000.00 2975.00 2932.50 2888.75</p>
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LYNES, INC.

Gas Volume Report

MARATHON OIL COMPANY

TIN CUP MESA #4-26

Operator

Well Name and No.

2

DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments
10	600	1/4"	906	
20	1200	1/4"	1789	All readings and calculations done by the engineer.
30	1200	1/4"	1789	
40	1200	1/4"	1789	
50	1200	1/4"	1789	
60	1250	1/4"	1841	
HOOKED UP TO SEP. 9:50 AM				
90	800	9/32"	--	
100	1100	9/32"	--	
120	1100	9/32"	--	
130	1090	9/32"	--	
140	1100	9/32"	--	
150	1100	9/32"	--	
160	1100	9/32"	--	
170	1100	9/32"	--	
10:10 AM				
	1110	20/64"	2227	
5	1080	20/64"	2139	
0	950	20/64"	--	
0	1115	20/64"	2231	
0	1000	20/64"	--	

Remarks:

LYNES, INC.

Gas Volume Report

MARATHON OIL COMPANY

TIN CUP MESA #4-26

Operator _____

Well Name and No. _____

2 DST No.

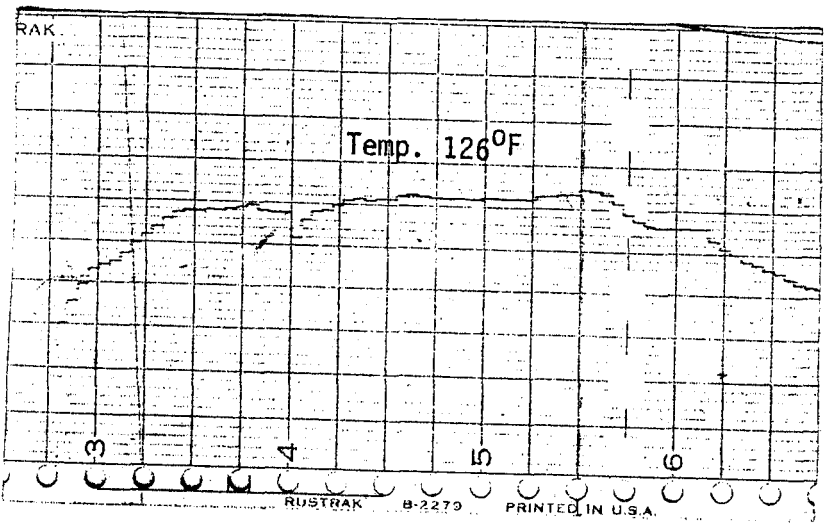
Min.	PSIG	Orifice Size	MCF/D	Comments
50	990	20/64"	2300	
60	980	20/64"	--	
70	980	20/64"	--	
80	990	20/64"	--	
90	1000	--	2306	
100	1000	--	--	
110	1000	--	--	
120	1000	--	--	
130	1000	--	--	
140	1040	--	--	
150	1030	--	--	
160	1000	--	--	
170	1020	--	--	
180	1030	--	2445	

Remarks:

ATURE RECORDER NUMBER : 1622

H : 5471.00ft. LOCATION : INSIDE
 : DMR RANGE : 5000.00F

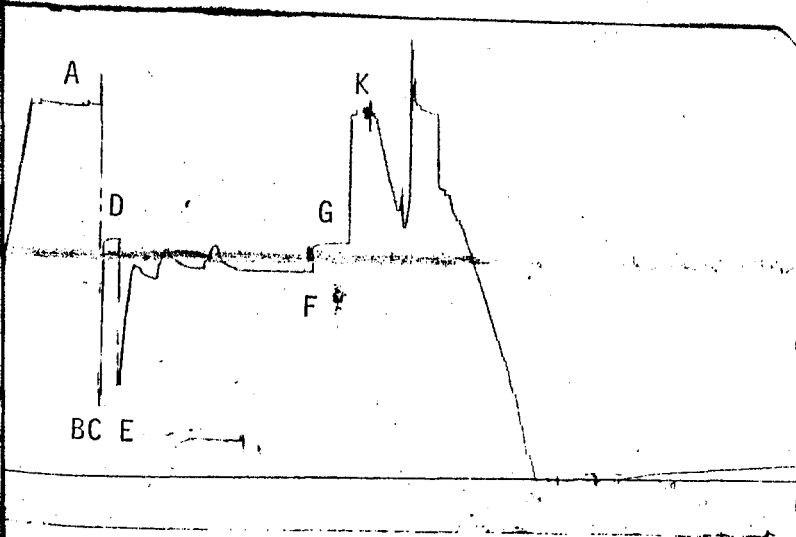
***** TEMPERATURE AT RECORDER DEPTH = 126.0 F



E RECORDER NUMBER : 7653

: 5471.00ft. LOCATION : OUTSIDE
 : K-3 CAPACITY : 4000.00PSI

PRESSURE
 PSI



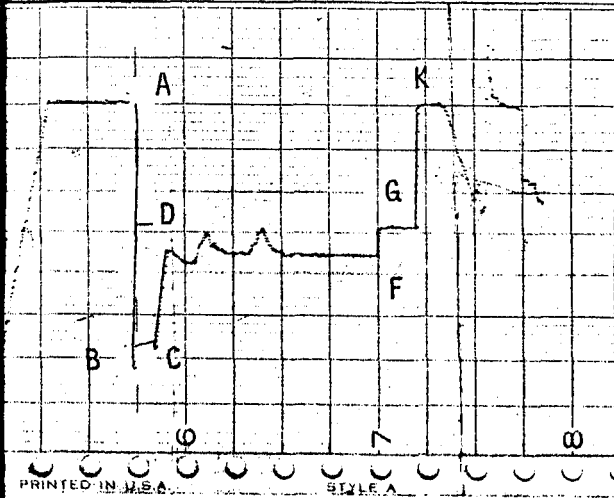
- A)Initial Hydro : 3188.0
- B)1st Flow Start: 587.0
- C)1st Flow End : 671.0
- D)END 1st Shutin: 2034.0
- E)2nd Flow Start: 775.0
- F)2nd Flow End : 1778.0
- G)END 2nd Shutin: 2034.0
- K)Final Hydro. : 3166.0

RECORDER NUMBER : 1622

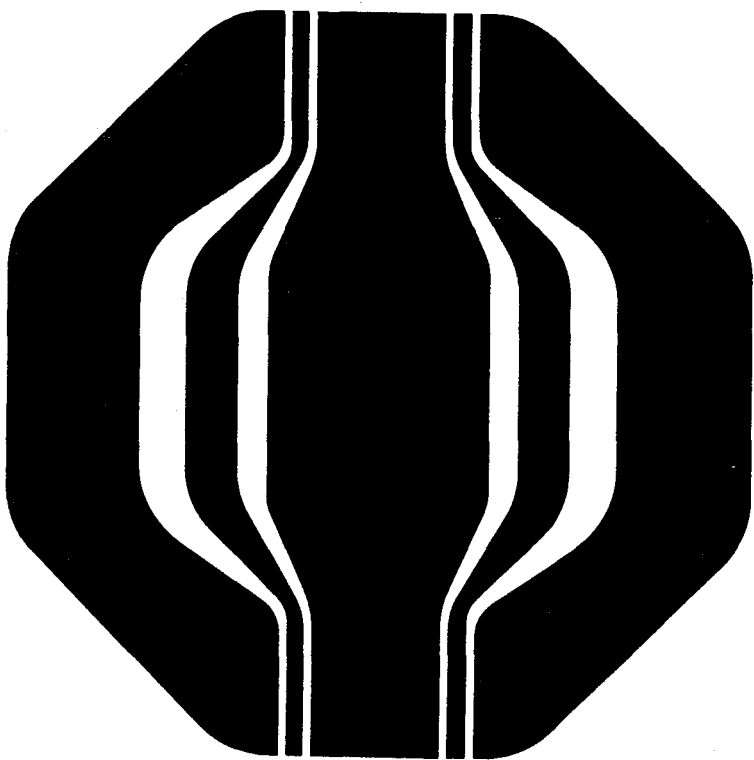
: 5471.00ft. LOCATION : OUTSIDE
: DMR CAPACITY : 5000.00PSI

PRESSURE
PSI

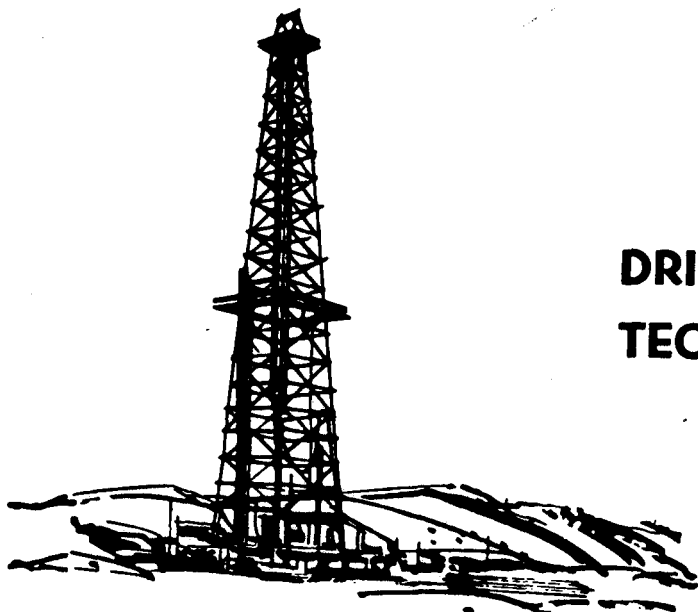
A)Initial Hydro : 3189.0
B)1st Flow Start: 623.0
C)1st Flow End : 725.0
D)END 1st Shutin: 2068.0
E)2nd Flow Start: 803.0
F)2nd Flow End : 1776.0
G)END 2nd Shutin: 2054.0
K)Final Hydro. : 3166.0



TEST TIMES(MIN)
1st FLOW : 5
SHUTIN: 32
2nd FLOW : 360
SHUTIN: 60



LYNES



DRILL STEM TEST TECHNICAL SERVICE REPORT

Contractor Energy Search
 Rig No. 1
 Spot SE - NE
 Sec. 28
 Twp. 36S
 Rng. 25E
 Field Tin Cup Mesa
 County San Juan
 State Utah
 Elevation 5107 Ft.
 Formation Upper Ismay

Top Choke 1/4"
 Bottom Choke 1"
 Size Hole 8 3/4"
 Size Rat Hole --
 Size & Wt. D. P. 4 1/2" XH 16.60#
 Size Wt. Pipe --
 I. D. of D. C. 2 1/2"
 Length of D. C. 486 Ft.
 Total Depth 5815 Ft.
 Interval Tested 5486 - 5511 Ft.
 Type of Test Inflate Straddle

Flow No. 1 5 Min.
 Shut-in No. 1 12 Min.
 Flow No. 2 356 Min.
 Shut-in No. 2 -- Min.
 Flow No. 3 -- Min.
 Shut-in No. 3 -- Min.

Bottom Hole Temp. 120.4° F
 Mud Weight 10.9
 Gravity --
 Viscosity 48

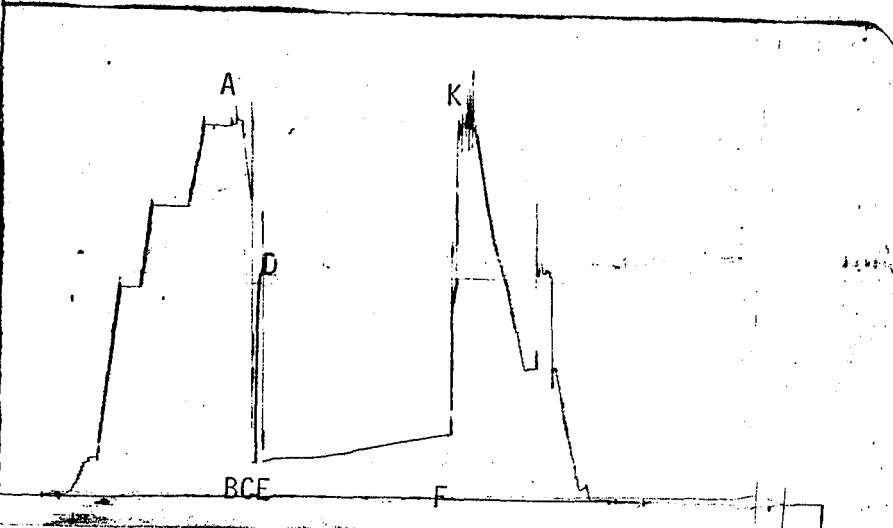
Tool opened @ 5:53 AM

Outside Recorder

PRD Make Kuster K-3
 No. 7653 Cap. 4000 @ 5496

	Press	Corrected
Initial Hydrostatic	A	3260
Final Hydrostatic	K	3249
Initial Flow	B	291
Final Initial Flow	C	298
Initial Shut-in	D	1988
Second Initial Flow	E	203
Second Final Flow	F	568
Second Shut-in	G	--
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist.: Rock Springs, WY
 Our Tester: Charles Tuzicka
 Witnessed By Mac Hanson



Operator Marathon Oil Company
 Address P.O. Box 2659
Casper, Wyoming 82602

Well Name and No. Tin Cup Mesa #4-26
 Ticket No. 04137

Date 11/7/83

DST No. 3
 No. Final Copies 5

Did Well Flow - Gas Yes Oil No Water No
 RECOVERY IN PIPE: (Test was reverse circulated)
 (540 Ft. Water Cushion)
 1872 Ft. Total Fluid = 21.9 bbls.
 540 Ft. Water cushion = 7.6 bbls.
 1332 Ft. Gas cut oil and mud = 14.3 bbls.

Blow Description:
 1st Flow: Tool opened with a weak blow, 1 oz. in 1 minute, 2 oz. in 5 minutes.
 2nd Flow: Tool opened with weak blow, 1 oz in 1 minute, 10psi in 100 minutes, 105 gas to surface. (See Gas Volume Report)

Comments: The test results indicate a mechanically successful test.

Location: 28-36S-25E
 Test Type: INFLATE STRADDLE
 Formation: UPPER ISMAY

Recorder Number: 1622
 Recorder Depth: 5496 ft.

TIME-PRESSURE LISTING

HART LABEL	COMMENTS	TIME MIN.	DELTA P PSI	PRESSURE PSI	(T+dt)/dt ABSCISSA	PRESSURE SQUARED PSI ² /10 ⁶
A	INITIAL HYDROSTATIC	0.0		3244.0		
B	START OF 1st FLOW	0.0		289.0		
C	END OF 1st FLOW	5.0		307.0		
	1st SHUTIN PERIOD	0.0	0.0	307.0	0.0000	
		2.0	751.0	1058.0	3.5000	
		4.0	1309.0	1616.0	2.2500	
		6.0	1533.0	1840.0	1.8333	
		8.0	1637.0	1944.0	1.6250	
		10.0	1684.0	1991.0	1.5000	
D	END OF 1st SHUTIN	12.0	1708.0	2015.0	1.4167	
E	START OF 2nd FLOW	0.0		317.0		
F	END OF 2nd FLOW	356.0		595.0		
G	END OF 2nd SHUTIN					
K	FINAL HYDROSTATIC	0.0		3218.0		

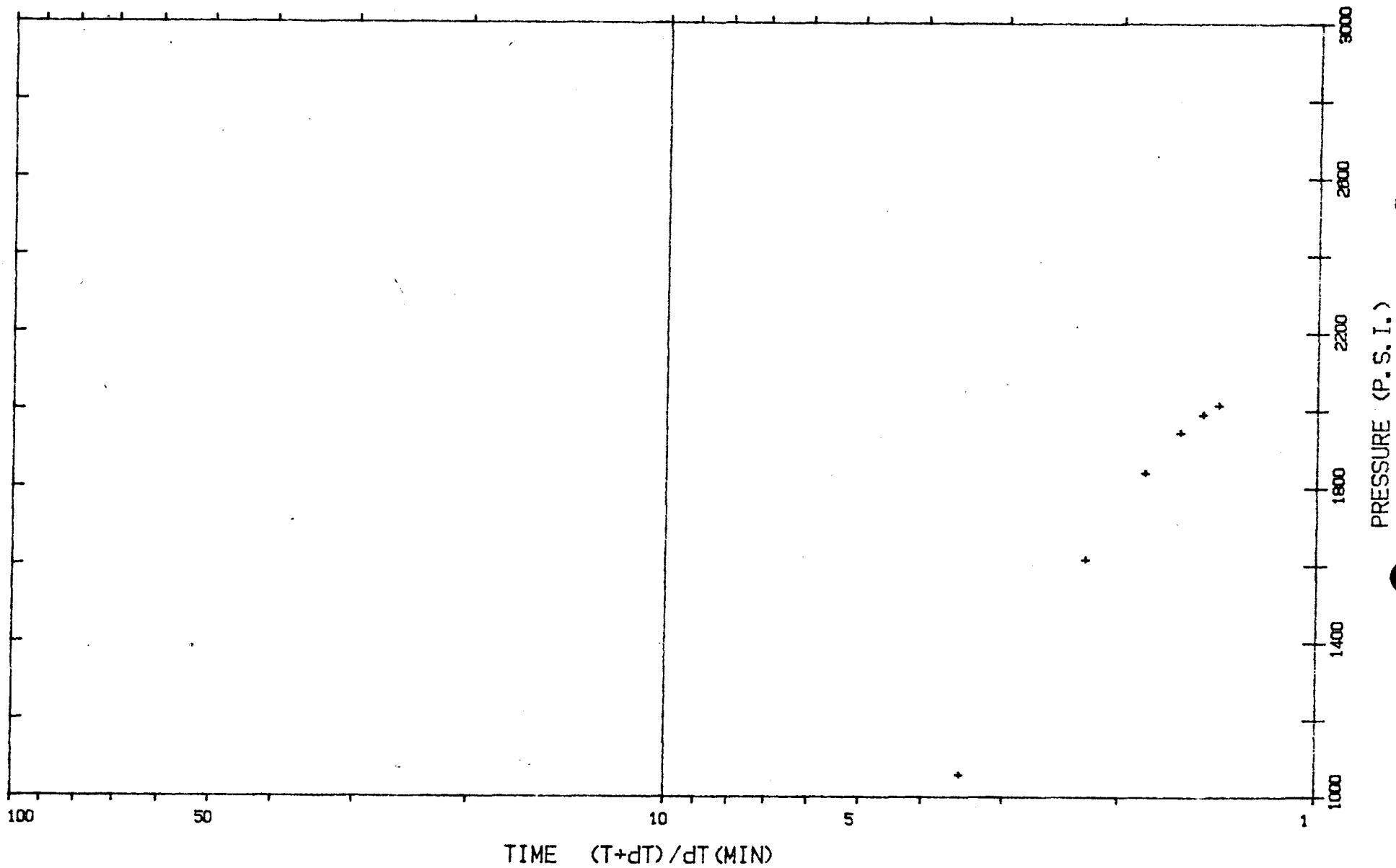
* VALUES USED FOR EXTRAPOLATIONS

2nd SHUT-IN
 HORNER EXTRAPOLATION 2073.41 PSI
 HORNER SLOPE 23.55 PSI/cycle

OPERATOR: MARATHON OIL COMPANY
WELL NAME: TINCUP #4-26
LOCATION: 28-36S-25E
FIRST SHUT-IN
RECORDER: 1622

DST #: 3

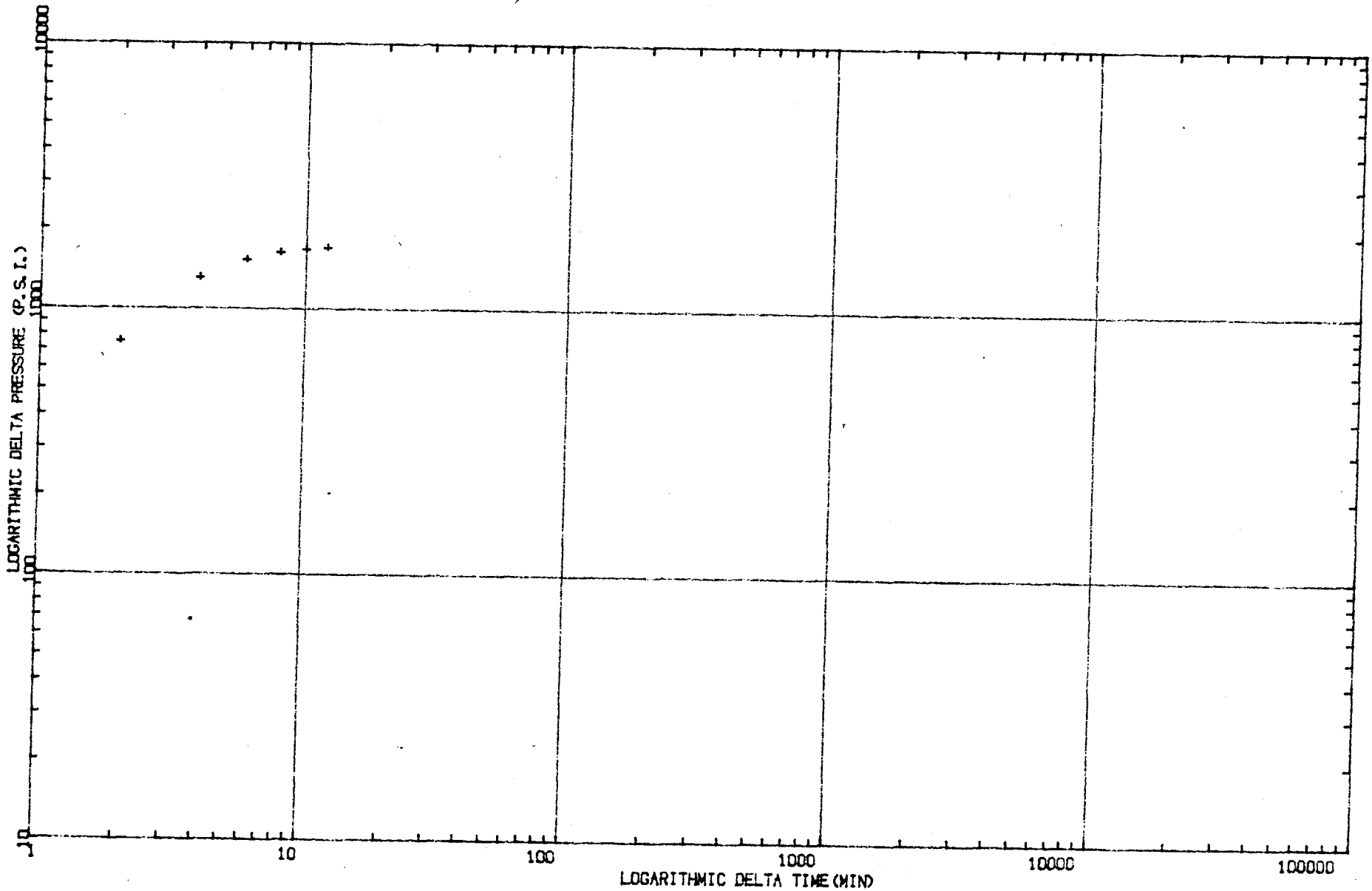
DEPTH: 5496



OPERATOR: MARATHON OIL COMPANY
WELL NAME: TINCUP #4-26
LOCATION: 28-36S-25E
FIRST SHUT-IN
RECORDER: 1622

DST #: 3

DEPTH: 5496



Location: 28-36S-25E
Test Type: INFLATE STRADDLE
Formation: UPPER ISMAY

Recorder Number: 1622
Recorder Depth: 5496 ft.

SAMPLE DATA

SAMPLE CHAMBER:

Capacity of sample chamber	2150	cc
Volume of sample.....	2150	cc
Pressure in sampler.....	100	psig
Where sampler was drained...	on location	

Sampler contained:

Mud	2150	cc	gas & oil cut
-----	------	----	---------------

RESISTIVITY DATA:

Mud pit.....:	4 @ 68F = 1350 PPM NACL
Make-up Water...:	10 @ 60F = 6200 PPM NACL

LYNES, INC.

Gas Volume Report

MARATHON OIL COMPANY
Operator

TIN CUP MESA #4-26
Well Name and No.

3
DST No.

Min.	PSIG	Orifice Size	MCF/D	Comments
105	10	1/4"	37	
110	8	1/4"	34	
120	8	1/4"	34	
130	6	1/4"	31	
140	6	1/4"	31	
150	6	1/4"	31	
160	5	1/4"	29	
170	5	1/4"	29	
180	5	1/2"	29	
190	6	1/2"	31	
200	6	1/2"	31	
210	7	1/2"	32	
220	7	1/2"	32	
230	7	1/2"	32	
240	7	1/4"	32	
250	7	1/4"	32	
260	7	1/2"	32	
270	7	1/4"	32	
280	7	1/4"	32	
290	7	1/4"	32	
300	7	1/4"	32	

Remarks:

LYNES INC.

DMR-312 DIGITAL MEMORY RECORDER NO. 1622 CAP 5000 AT 5496

OPERATOR Marathon Oil Company

WELL NAME Tincup Mesa #4-26

TICKET NO. 04133

DST. NO. 3

<p>05:15:00 T 113. 25 3301 25 3301 25 3301 25 3301 25 3301 25 3301 25 3301 25 3301 25 05:31:00 T 114. 62 3301 25 3336 25 3340 00 3343 75 3346 25 3351 25 3330 00 05:47:00 T 114. 25 3343 75 3343 75 Initial Hydro. -3343 75 3182 50 3102 50 3322 50 3353 75 06:03:00 T 114. 12 3312 50 3251 25 3336 25 3326 25 3368 75 1441 25 Start 1st flow -2318. 50 06:19:00 T 114. 37 End 1st flow -3366. 50 1257 50 1316 25 1340 00 1343 75 1391 25 End 1st shut-in -2315 00 06:35:00 T 116. 00 Start 2nd flow -3316. 50 3325. 00 3330. 00 3336. 50 341. 50 346. 50 351. 50 06:51:00 T 117. 62 356. 50 356. 50 356. 50 355. 00 352. 00 351. 50 350. 00 07:07:00 T 118. 12 348. 50 348. 50 348. 50 348. 50 347. 00 347. 00 07:23:00 T 119. 75 346. 50 346. 50 346. 50 346. 50 346. 50 346. 50 346. 50</p>	<p>07:39:00 T 119. 00 347. 00 349. 50 351. 50 353. 50 356. 50 357. 00 358. 50 07:55:00 T 119. 12 351. 50 351. 50 351. 50 351. 50 352. 00 352. 00 353. 50 08:11:00 T 119. 00 357. 00 359. 50 351. 50 352. 00 355. 00 357. 00 360. 00 08:27:00 T 119. 87 356. 50 356. 50 357. 00 360. 00 351. 50 353. 50 355. 00 08:43:00 T 118. 75 358. 50 421. 50 422. 00 423. 50 425. 00 423. 50 425. 00 08:59:00 T 117. 75 427. 00 438. 50 410. 00 411. 50 412. 00 413. 50 416. 50 09:15:00 T 117. 37 431. 50 432. 00 425. 00 427. 00 410. 00 411. 50 433. 50 09:31:00 T 117. 12 418. 50 441. 50 442. 00 443. 50 446. 50 447. 00 450. 00 09:47:00 T 117. 50 452. 00 455. 00 456. 50 457. 00 460. 00 461. 50 463. 50</p>	<p>10:03:00 T 117. 87 466. 50 468. 50 470. 00 472. 00 473. 50 475. 00 476. 50 10:19:00 T 117. 87 481. 50 483. 50 485. 00 486. 50 488. 50 490. 00 491. 50 10:35:00 T 117. 25 496. 50 497. 00 500. 00 501. 50 503. 50 505. 00 506. 50 10:51:00 T 117. 25 510. 00 511. 50 512. 00 516. 50 517. 00 518. 50 521. 50 11:07:00 T 117. 87 523. 50 525. 00 527. 00 528. 50 531. 50 532. 00 533. 50 531. 50 532. 00 533. 50 11:23:00 T 117. 87 537. 00 540. 00 541. 50 543. 50 546. 50 547. 00 550. 00 11:39:00 T 117. 50 552. 00 553. 50 556. 50 557. 00 558. 50 561. 50 562. 00 11:55:00 T 117. 75 565. 00 567. 00 568. 50 571. 50 572. 00 573. 50 576. 50 12:11:00 T 117. 37 580. 00 581. 50 583. 50 585. 00 587. 00 588. 50 590. 00</p>
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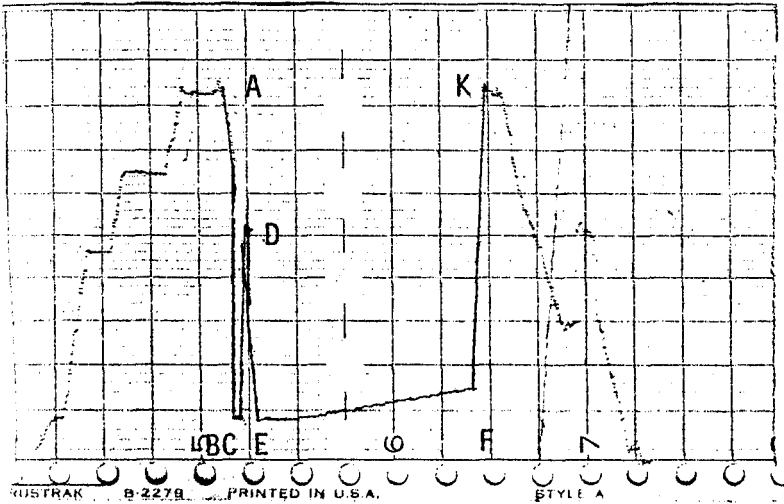
12:27:00 T 117. 62
 593. 50
 End 2nd flow -597. 00
 1348 75
 1368 75
 1341 25
 1383 75
 2758 75
 12:43:00 T 119. 75
 3215 00
 3266 25
 Final Hydro. -3317 50
 3377 50
 3360 00
 3327 50
 3327 50
 12:59:00 T 120. 37
 3321 25
 3195 00
 3198 75
 3195 00
 3352 50
 3185 00
 3310 00

PRESSURE RECORDER NUMBER : 1622

DEPTH : 5496.00ft. LOCATION : OUTSIDE
TYPE : DMR CAPACITY : 5000.00PSI

PRESSURE
PSI

A) Initial Hydro : 3244.0
B) 1st Flow Start : 289.0
C) 1st Flow End : 307.0
D) END 1st Shutin : 2015.0
E) 2nd Flow Start : 317.0
F) 2nd Flow End : 595.0
K) Final Hydro. : 3218.0

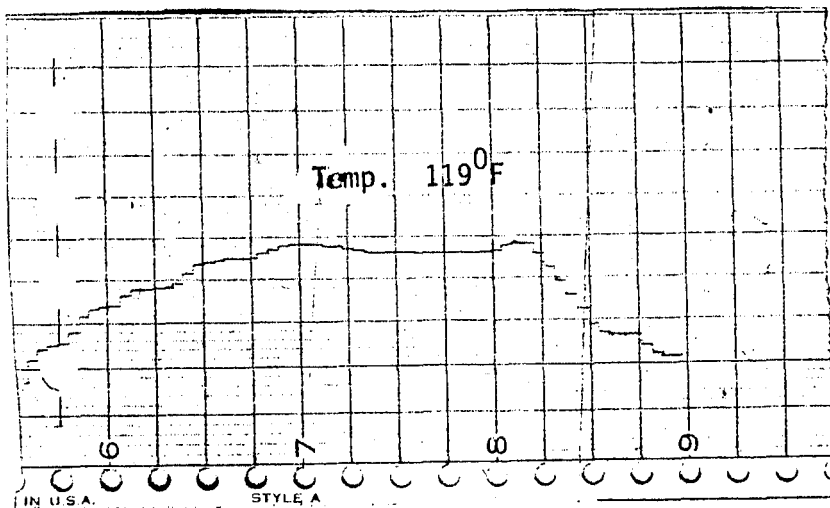


TEST TIMES(MIN)
1st FLOW : 5
SHUTIN : 12
2nd FLOW : 356

TEMPERATURE RECORDER NUMBER : 1622

DEPTH : 5496.00ft. LOCATION : OUTSIDE
TYPE : DMR RANGE : 5000.00F

***** TEMPERATURE AT RECORDER DEPTH = 120.4⁰F



#: 3
CUP #4-26
5486-5511

PRESSURE RECORDER NUMBER : 16839

DEPTH : 5496.00ft.

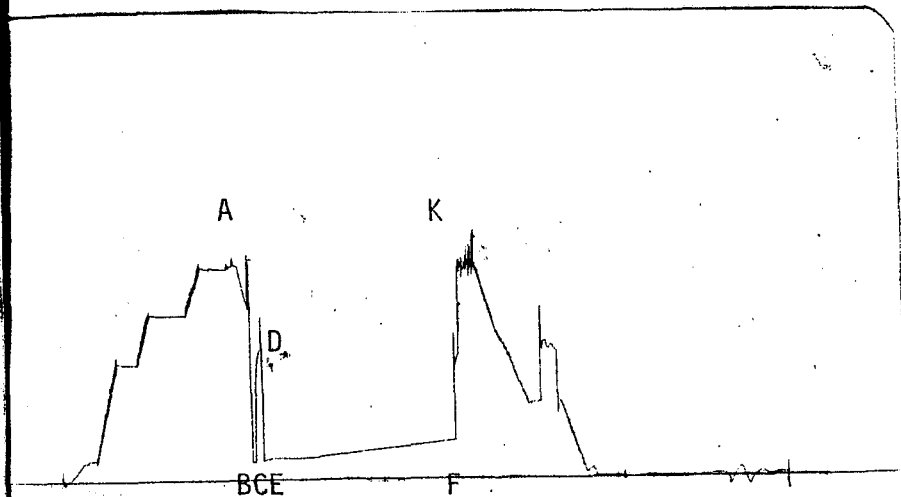
LOCATION : OUTSIDE

TYPE : K-3

CAPACITY : 6975.00PSI

PRESSURE
PSI

A)Initial Hydro : 3229.0
 B)1st Flow Start: 284.0
 C)1st Flow End : 284.0
 D)END 1st Shutin: 1974.0
 E)2nd Flow Start: 284.0
 F)2nd Flow End : 585.0
 K)Final Hydro. : 3162.0



TEST TIMES(MIN)
 1st FLOW : 5
 SHUTIN: 12
 2nd FLOW : 356

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS REPORT

FOR

MARATHON OIL COMPANY

TIN CUP MESA 4-26
TIN CUP MESA FIELD
SAN JUAN COUNTY, UTAH

Upper Ismay

Core 1 5450'-5510' C/R 60'

Core 2 5510'-5570' C/R 60'

Core 3 5570'-5591' C 21'/R 20'

Desert Creek

Core 4 5743'-5804' C 61'/R 60'

MARATHON OIL COMPANY
 TIN CUP MESA 4-26
 TIN CUP MESA FIELD
 SAN JUAN COUNTY, UTAH

DATE : 29-OCT-83
 FORMATION : AS NOTED
 DR LG. FLUID: WATER BASE MUD
 LOCATION : NE SE NE SEC 26, T38S, R25E

FILE NO : 3803-3301
 ANALYSTS : G.G.
 ELEVATION: 5125 KB

FINAL REPORT

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD)		POR. He	FLUID SATS.		GRAIN DEN	DESCRIPTION
		MAXIMUM	90 DEG VERTICAL		OIL	WTR		
ISMAY FORMATION								
	5450.0-53.0							SHL/LM-NO ANALYSIS
	5453.0-57.0							ANHYDRITE-NO ANALYSIS
	5457.0-62.0							ANHY/LM/SHL-NO ANALYSIS
1	5462.0-63.0	<0.01	*	0.6	15.2	30.4	2.75	LM GR Y VF XLN
2	5463.0-64.0	0.20	0.14	2.4	2.6	15.6	2.77	LM GR Y VF XLN
3	5464.0-65.0	0.25	0.15	3.6	3.3	16.4	2.76	LM GR Y VF XLN
4	5465.0-66.0	0.25	0.22	6.1	2.0	10.0	2.74	LM GR Y VF XLN SL/VUG
5	5466.0-67.0	6.00	5.10	16.1	1.9	45.6	2.83	DOL BRN VF XLN/RTHY SL/ANHY
6	5467.0-68.0	61.	*	32.3	1.4	49.2	2.89	DOL BRN VF XLN/RTHY SL/ANHY
7	5468.0-69.0	51.	50.	29.5	1.7	43.8	2.85	DOL BRN VF XLN/RTHY SL/ANHY
8	5469.0-70.0	48.	43.	27.5	0.8	29.1	2.86	DOL BRN VF XLN/RTHY SL/ANHY
9	5470.0-71.0	26.	24.	24.1	0.9	30.0	2.86	DOL BRN VF XLN/RTHY SL/ANHY
10	5471.0-72.0	15.	15.	18.4	0.8	32.4	2.87	DOL BRN VF XLN/RTHY SL/ANHY
11	5472.0-73.0	39.	36.	23.7	0.7	29.0	2.86	DOL BRN VF XLN/RTHY SL/ANHY
12	5473.0-74.0	15.	15.	20.0	1.0	40.2	2.87	DOL BRN VF XLN/RTHY SL/ANHY
13	5474.0-75.0	42.	41.	24.2	0.4	32.6	2.85	DOL BRN VF XLN/RTHY SL/ANHY
14	5475.0-76.0	35.	34.	22.9	0.7	34.0	2.85	DOL BRN VF XLN/RTHY SL/ANHY
15	5476.0-77.0	9.10	9.00	16.0	0.4	29.7	2.87	DOL BRN VF XLN/RTHY SL/ANHY
16	5477.0-78.0	14.	*	14.6	0.8	32.9	2.87	DOL BRN VF XLN/RTHY SL/ANHY
17	5478.0-79.0	3.40	*	13.9	2.3	30.8	2.83	DOL BRN VF XLN/RTHY SL/ANHY
18	5479.0-80.0	3.50	3.10	11.6	2.9	31.2	2.84	DOL BRN VF XLN/RTHY SL/ANHY
19	5480.0-81.0	5.20	4.10	13.0	4.4	41.0	2.82	DOL BRN VF XLN/RTHY SL/ANHY
20	5481.0-82.0	2.20	1.80	8.6	5.4	32.3	2.81	DOL BRN VF XLN/RTHY SL/ANHY
21	5482.0-83.0	0.08	*	4.6	2.4	24.3	2.80	DOL BRN VF XLN/RTHY SL/ANHY
22	5483.0-84.0	<0.01	*	3.5	7.9	31.6	2.80	DOL BRN VF XLN/RTHY SL/ANHY

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MARATHON OIL COMPANY
TIN CUP MESA 4-26

DATE : 29-OCT-83
FORMATION : AS NOTED

FILE NO : 3803-3301
ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD)		POR. He	FLUID SATS.		GRAIN DEN	DESCRIPTION	
		MAXIMUM	90 DEG VERTICAL		OIL	WTR			
23	5484.0-85.0	0.28	0.24	6.4	1.5	35.3	2.80	DOL BRN VFXLN/RTHY OVF	
24	5485.0-86.0	0.50	0.33	0.9	3.8	45.8	2.74	LM GRY VFXLN SL/ANHY	
25	5486.0-87.0	<0.01	<0.01	1.2	0.0	19.4	2.74	LM GRY VFXLN SL/ANHY	
26	5487.0-88.0	<0.01	<0.01	5.5	9.6	46.6	2.80	DOL BRN VFXLN/RTHY	
27	5488.0-89.0	9.00	8.70	22.0	17.8	31.4	2.82	DOL BRN VFXLN/RTHY SL/ANHY	
28	5489.0-90.0	2.80	2.60	1.14	14.7	18.8	36.5	2.84	DOL BRN VFXLN/RTHY SL/ANHY
29	5490.0-91.0	20.	*	21.3	11.8	30.5	2.84	DOL BRN VFXLN/RTHY SL/VUG	
30	5491.0-92.0	0.64	0.44	16.9	9.3	33.1	2.82	DOL BRN VFXLN/RTHY	
31	5492.0-93.0	3.20	2.00	12.7	16.2	40.5	2.82	DOL BRN VFXLN/RTHY	
32	5493.0-94.0	1.10	0.86	7.9	14.6	35.1	2.80	DOL BRN VFXLN	
33	5494.0-95.0	0.45	*	0.16	6.5	4.5	50.0	2.81	DOL BRN VFXLN
34	5495.0-96.0	0.50	0.39	5.7	12.6	50.5	2.79	DOL BRN VFXLN	
35	5496.0-97.0	1.10	0.84	4.0	9.1	36.3	2.77	DOL BRN VFXLN	
36	5497.0-98.0	4.30	2.40	7.1	4.7	29.9	2.76	DOL BRN VFXLN	
37	5498.0-99.0	3.30	3.30	8.9	10.9	50.9	2.74	DOL BRN VFXLN SL/VUG	
38	5499.0-00.0	1.50	1.50	8.2	10.8	28.9	2.78	DOL BRN VFXLN	
39	5500.0-01.0	6.60	6.20	13.0	9.6	34.6	2.81	DOL BRN VFXLN	
40	5501.0-02.0	8.90	8.20	15.6	10.1	45.5	2.85	DOL BRN VFXLN/RTHY SL/ANHY	
41	5502.0-03.0	6.50	6.10	24.6	17.4	52.9	2.80	DOL BRN VFXLN/RTHY SL/ANHY	
42	5503.0-04.0	8.90	8.50	25.8	15.5	48.0	2.81	DOL BRN VFXLN/RTHY SL/ANHY	
43	5504.0-05.0	3.80	*	22.7	17.8	51.4	2.81	DOL BRN VFXLN/RTHY OVF	
44	5505.0-06.0	1.70	1.60	11.8	10.6	63.8	2.78	DOL BRN VFXLN/RTHY R	
45	5506.0-07.0	0.14	0.12	10.1	9.4	55.7	2.77	LM GRY VFXLN DOL	
46	5507.0-08.0	0.20	0.18	3.8	0.9	68.1	2.76	LM GRY VFXLN DOL	
47	5508.0-09.0	0.04	0.03	5.9	0.0	70.5	2.77	LM GRY VFXLN DOL	
48	5509.0-10.0	1.40	1.20	19.2	0.6	69.9	2.81	DOL BRN VFXLN/RTHY	
49	5510.0-11.0	1.20	1.00	9.7	8.3	52.2	2.80	LM GRY/BRN VFXLN DOL	
50	5511.0-12.0	0.63	0.47	7.0	1.9	60.8	2.77	LM GRY/BRN VFXLN DOL	
51	5512.0-13.0	0.41	0.39	0.37	9.2	6.9	50.0	2.78	LM GRY/BRN VFXLN DOL
52	5513.0-14.0	0.77	0.75	11.5	8.8	39.3	2.75	LM GRY/BRN VFXLN DOL	

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : AS NOTED

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD)		POR. He	FLUID SATS.		GRAIN DEN	DESCRIPTION
		MAXIMUM	90 DEG VERTICAL		OIL	WTR		
53	5514.0-15.0	4.20	4.00	10.0	8.5	46.1	2.79	LM GRY/BRN VFXLN DOL
54	5515.0-16.0	3.40	2.40	13.2	11.1	31.2	2.81	LM GRY/BRN VFXLN DOL
55	5516.0-17.0	29.	25.	14.8	10.4	34.6	2.79	LM GRY/BRN VFXLN DOL
56	5517.0-18.0	23.	14.	14.4	9.9	33.3	2.77	LM GRY/BRN VFXLN DOL
57	5518.0-19.0	11.	10.	14.9	11.9	34.2	2.77	LM GRY/BRN VFXLN DOL
58	5519.0-20.0	12.	11.	14.9	12.9	35.8	2.78	LM GRY/BRN VFXLN DOL
59	5520.0-21.0	8.80	8.50	14.9	10.2	29.4	2.78	LM GRY/BRN VFXLN DOL
60	5521.0-22.0	3.50	3.40	9.8	10.5	36.1	2.79	LM GRY/BRN VFXLN DOL
61	5522.0-23.0	3.60	1.80	10.2	10.7	28.9	2.79	LM GRY/BRN VFXLN DOL
62	5523.0-24.0	1.20	1.10	9.3	11.9	29.7	2.81	LM GRY/BRN VFXLN DOL
63	5524.0-25.0	0.72	0.67	9.2	8.8	28.5	2.80	LM GRY/BRN VFXLN DOL
64	5525.0-26.0	0.92	0.75	10.3	10.6	45.2	2.83	DOL BRN VFXLN SL/ANHY
65	5526.0-27.0	1.20	0.93	9.4	0.8	61.0	2.86	DOL BRN VFXLN SL/ANHY
66	5527.0-28.0	5.80	5.60	15.4	7.8	32.7	2.77	LM GRY/BRN VFXLN
67	5528.0-29.0	1.50	1.50	11.5	6.4	43.8	2.79	LM GRY/BRN VFXLN
68	5529.0-30.0	7.30	5.90	17.2	6.8	36.3	2.77	LM GRY/BRN VFXLN
69	5530.0-31.0	5.60	4.60	16.5	7.4	37.8	2.75	LM GRY/BRN VFXLN
70	5531.0-32.0	7.50	7.50	15.4	7.7	35.8	2.73	LM GRY/BRN VFXLN
71	5532.0-33.0	4.80	4.70	14.6	10.7	40.1	2.79	LM GRY/BRN VFXLN DOL
72	5533.0-34.0	3.60	1.90	13.1	9.0	38.7	2.74	LM GRY/BRN VFXLN
73	5534.0-35.0	0.79	*	11.4	5.0	33.2	2.72	LM GRY/BRN VFXLN OVF
74	5535.0-36.0	0.17	0.13	6.5	10.5	22.3	2.75	LM GRY/BRN VFXLN DOL STY
75	5536.0-37.0	0.39	0.37	8.7	5.6	47.0	2.73	LM GRY/BRN VFXLN
76	5537.0-38.0	38.	*	26.8	9.4	51.2	2.86	DOL BRN VFXLN/RTHY
77	5538.0-39.0	19.	17.	21.0	9.0	45.7	2.84	DOL BRN VFXLN/RTHY
78	5539.0-40.0	0.51	0.43	7.8	5.1	43.9	2.76	DOL GRY/BRN VFXLN CALC
79	5540.0-41.0	6.10	5.00	18.6	5.9	40.2	2.83	DOL BRN VFXLN/RTHY
80	5541.0-42.0	15.	14.	23.9	12.6	30.0	2.82	DOL BRN VFXLN/RTHY
81	5542.0-43.0	0.05	0.02	6.6	4.0	50.1	2.75	LM GRY VFXLN DOL STY
82	5543.0-44.0	0.05	0.05	5.0	0.0	51.4	2.76	LM GRY VFXLN DOL

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : AS NOTED

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD)		FOR. He	FLUID SATS.		GRAIN DEN	DESCRIPTION
		MAXIMUM	90 DEG VERTICAL		OIL	WTR		
83	5544.0-45.0	0.71	0.05	4.0	3.1	68.2	2.75	LM GRY VFXLN DOL
84	5545.0-46.0	2.90	2.70	19.2	15.6	56.1	2.80	DOL BRN VFXLN/RTHY STY
85	5546.0-47.0	5.70	5.60	19.6	13.9	42.7	2.82	DOL BRN VFXLN/RTHY
86	5547.0-48.0	21.	21.	24.0	9.5	40.8	2.82	DOL BRN VFXLN/RTHY
87	5548.0-49.0	2.70	2.40	7.5	6.0	23.9	2.72	LM GRY/BRN VFXLN SL/VUG
88	5549.0-50.0	11.	9.30	12.6	6.3	29.4	2.74	LM GRY/BRN VFXLN SL/VUG
89	5550.0-51.0	9.40	4.30	12.4	11.8	44.3	2.74	LM GRY/BRN VFXLN SL/VUG
90	5551.0-52.0	2.50	2.10	9.0	5.0	28.7	2.75	LM GRY/BRN VFXLN SL/VUG
91	5552.0-53.0	13.	13.	11.9	7.8	38.0	2.73	LM GRY/BRN VFXLN SL/VUG
92	5553.0-54.0	2.90	2.60	10.9	6.7	32.7	2.74	LM GRY/BRN VFXLN SL/VUG
93	5554.0-55.0	12.	11.	13.7	5.2	37.8	2.74	LM GRY/BRN VFXLN SL/VUG
94	5555.0-56.0	7.30	5.60	13.5	4.9	28.5	2.72	LM GRY/BRN VFXLN SL/VUG
95	5556.0-57.0	5.00	4.20	12.4	6.1	51.0	2.74	LM GRY/BRN VFXLN SL/VUG
96	5557.0-58.0	7.00	6.80	13.3	4.1	37.3	2.72	LM GRY/BRN VFXLN SL/VUG
97	5558.0-59.0	9.20	5.40	12.8	4.1	35.7	2.76	LM GRY/BRN VFXLN SL/VUG
98	5559.0-60.0	2.30	1.80	8.9	5.1	39.2	2.74	LM GRY/BRN VFXLN SL/VUG
99	5560.0-61.0	0.88	0.57	9.9	1.4	46.3	2.74	LM GRY/BRN VFXLN SL/VUG
100	5561.0-62.0	1.10	0.80	10.5	4.9	30.8	2.72	LM GRY/BRN VFXLN SL/VUG
101	5562.0-63.0	0.34	0.32	8.3	0.0	50.7	2.77	LM GRY/BRN VFXLN DOL SL/VUG
102	5563.0-64.0	6.70	2.70	10.6	0.0	50.5	2.74	LM GRY/BRN VFXLN DOL SL/VUG
103	5564.0-65.0	2.20	1.40	10.2	1.3	45.3	2.74	LM GRY/BRN VFXLN DOL SL/VUG
104	5565.0-66.0	1.30	1.10	10.2	2.0	51.0	2.75	LM GRY/BRN VFXLN DOL SL/VUG
105	5566.0-67.0	1.20	1.20	9.2	0.0	55.0	2.75	LM GRY/BRN VFXLN DOL SL/VUG
106	5567.0-68.0	0.66	0.48	8.3	1.4	55.8	2.75	LM GRY/BRN VFXLN DOL SL/VUG
107	5568.0-69.0	3.20	1.40	9.4	4.4	45.8	2.76	LM GRY/BRN VFXLN DOL SL/VUG
108	5569.0-70.0	3.90	3.50	11.1	3.9	26.4	2.76	LM GRY/BRN VFXLN DOL SL/VUG
109	5570.0-71.0	2.20	2.10	10.1	1.8	72.3	2.74	LM GRY/BRN VFXLN DOL SL/VUG
110	5571.0-72.0	1.60	1.10	11.6	0.8	66.6	2.75	LM GRY/BRN VFXLN DOL SL/VUG
111	5572.0-73.0	1.00	0.98	11.2	0.8	67.9	2.77	LM GRY/BRN VFXLN DOL SL/VUG
112	5573.0-74.0	1.50	1.50	11.8	1.5	72.0	2.77	LM GRY/BRN VFXLN DOL SL/VUG

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MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : AS NOTED

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD)		POR. He	FLUID SATS.		GRAIN DEN	DESCRIPTION
		MAXIMUM	90 DEG VERTICAL		OIL	WTR		
113	5574.0-75.0	2.10	2.00	12.9	0.8	76.6	2.77	LM GRY/BRN VFXLN DOL SL/VUG
114	5575.0-76.0	13.	13.	20.7	0.6	81.4	2.84	DOL GRY/BRN VFXLN
115	5576.0-77.0	0.98	0.90	10.8	0.7	88.0	2.76	LM GRY/BRN VFXLN DOL SL/VUG
116	5577.0-78.0	0.59	0.59	8.7	1.4	57.2	2.74	LM GRY/BRN VFXLN DOL SL/VUG
117	5578.0-79.0	1.60	0.63	4.5	0.0	59.8	2.75	LM GRY/BRN VFXLN DOL
118	5579.0-80.0	0.07	0.04	2.4	1.3	60.2	2.76	LM GRY/BRN VFXLN DOL
119	5580.0-81.0	1.30	1.20	13.0	3.1	73.3	2.83	DOL BRN VFXLN SL/ANHY
120	5581.0-82.0	1.90	1.80	17.3	2.1	72.0	2.81	DOL BRN VFXLN SL/ANHY
121	5582.0-83.0	2.40	2.40	19.7	2.4	72.0	2.80	DOL BRN VFXLN SL/ANHY
122	5583.0-84.0	1.50	1.30	18.5	2.8	72.6	2.79	DOL BRN VFXLN SL/ANHY
123	5584.0-85.0	0.02	0.01	5.1	3.3	71.9	2.79	DOL BRN VFXLN SL/ANHY
	5585.0-90.0							SHALE-NO ANALYSIS
	5590.0-91.0							LOST CORE
	5591.0-43.0							DRILLED INTERVAL
DESERT CREEK FORMATION								
	5743.0-51.0							ANHYDRITE-NO ANALYSIS
124	5751.0-52.0	<0.01	*	6.9	8.9	71.4	2.75	LM GRY VFXLN
125	5752.0-53.0	<0.01	*	6.0	12.3	70.2	2.75	LM GRY VFXLN
126	5753.0-54.0	0.01	*	5.6	15.1	64.8	2.71	LM GRY VFXLN
127	5754.0-55.0	<0.01	*	4.4	2.2	79.5	2.73	LM GRY VFXLN
128	5755.0-56.0	<0.01	*	3.1	0.0	76.6	2.75	LM GRY VFXLN
129	5756.0-57.0	<0.01	*	2.0	9.4	56.3	2.73	LM GRY VFXLN
130	5757.0-58.0	<0.01	*	2.6	6.7	74.1	2.72	LM GRY VFXLN
	5758.0-62.0							SHL/LM/DOL-NO ANALYSIS
131	5762.0-63.0	<0.01	*	4.0	3.7	65.9	2.73	LM GRY VFXLN
132	5763.0-64.0	<0.01	*	2.8	0.0	63.2	2.72	LM GRY VFXLN
133	5764.0-65.0	<0.01	*	3.2	3.2	69.4	2.73	LM GRY VFXLN
134	5765.0-66.0	<0.01	*	1.6	0.0	62.0	2.72	LM GRY VFXLN

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operations, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

MARATHON OIL COMPANY
 TIN CUP MESA 4-26

DATE : 29-OCT-83
 FORMATION : AS NOTED

FILE NO : 3803-3301
 ANALYSTS : G.G.

FULL DIAMETER CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMPLE NUMBER	DEPTH	PERM. TO AIR (MD)		POR. He	FLUID SATS.		GRAIN DEN	DESCRIPTION
		MAXIMUM	90 DEG VERTICAL		OIL	WTR		
135	5766.0-67.0	<0.01	*	1.9	0.0	80.9	2.71	LM GRY VFXLN
136	5767.0-68.0	<0.01	*	2.2	4.5	71.3	2.72	LM GRY VFXLN
137	5768.0-69.0	0.01	*	3.4	7.2	57.6	2.73	LM GRY VFXLN
	5769.0-01.0							SHALE-NO ANALYSIS
	5801.0-03.0							ANHYDRITE-NO ANALYSIS

R = RUBBLE ZONE

OV & OVF = OPEN VERTICAL FRACTURE

* SAMPLE NOT SUITABLE FOR FULL DIAMETER ANALYSIS

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.
U-31928 *90W*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
092112

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
4-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH | 13. STATE
San Juan | Utah

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Marathon Oil Company **SEP 14 1987**

3. ADDRESS OF OPERATOR
P. O. Box 2690, Cody, Wyoming 82414 **DIVISION OF OIL**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1698' FNL & 720' FEL

14. PERMIT NO.
43-037-30941

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
5125' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Returned to Production <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The above referenced well was returned to production on August 21, 1987 after being shut-in since November 13, 1985.

This was reported to Mr. Lynn Jackson, BLM Moab on August 24, 1987 by Frank Krugh, Marathon Oil Company.

BLM-Orig & 3--cc: ^{U Doc#} ~~MOCC~~-2, WRF, FMK, WTR, RDT, Title & Contract (Houston)

18. I hereby certify that the foregoing is true and correct

SIGNED R.P. Mealan TITLE Regulatory Coordinator DATE August 25, 1987

(This space for Federal or State office use)

APPROVED BY NOTED TITLE BRANCH OF FLUID MINERALS DATE SEP 03 1987
CONDITIONS OF APPROVAL, IF ANY: MOAB DISTRICT

*See Instructions on Reverse Side

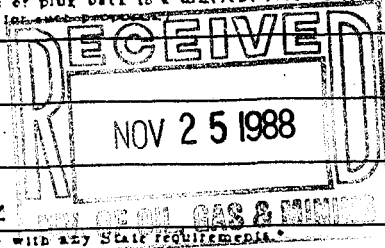
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Older instructions
void)

NOT POSTED
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" form.)



1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also above 17 below.)
At surface
1698' FNL & 720' FEL

5. WELL NO.
4-26

6. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. SEC. T. R. M. OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

10. COUNTY OR PARISH
San Juan

11. STATE
Utah

12. PERMIT NO.
43-037-30941

13. ELEVATIONS (SHOW WELDER DT, RT, CL, ETC.)
5125' KB

14. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FELL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANCE PLANS <input type="checkbox"/>	(Other) <u>See Below</u>	<input checked="" type="checkbox"/>

(Note: Report results of multiple completion on Well Completion or Recoumpletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting and proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Marathon Oil Company has completed the following work:

1988

- 4/18 Pulled production equipment and ran CNL-GR-CCL logs.
- 4/19 Perforated 5490'-5496' with 4 SPF.
- 4/20 Acidized with 500 gallons of 15% HCl.
- 4/21 thru
- 4/28 Swabbed for clean-up and tested rates.
- 4/29 Ran production equipment and returned the well to production.

18. I hereby certify that the foregoing is true and correct:
BIM-Orig & 3--cc: SUDOGM-2, WRF, FMK, FCS, Title & Contract (Houston)

SIGNED [Signature] TITLE Regulatory Coordinator DATE October 14, 1988

(This space for Federal or State use)
APPROVED BY [Signature] TITLE Branch of Fluid Minerals DATE NOV 18 1988
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF ACCEPTANCE, ATTACHED

*See Instructions on Reverse Side

Marathon Oil Company
Well No. Tin Cup Mesa 4-26
Sec. 26, T. 38 S., R. 25 E.
Lease U-31928

CONDITIONS OF ACCEPTANCE

The subject Sundry Notice will be accepted with the conditions
the operator will submit a recompletion report (plug back report).

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Tin Cup Mesa

7. UNIT AGREEMENT NAME

Tin Cup Mesa

8. FARM OR LEASE NAME

4-26

9. WELL NO.

Tin Cup Mesa

10. FIELD AND POOL, OR WILDCAT

Sec. 26, T38S, R25E

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

14. PERMIT NO.

43-037-30941

DATE ISSUED

10/4/83

1a. TYPE OF WELL:

OIL WELL GAS WELL DRY

b. TYPE OF COMPLETION:

NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESRV. Other

2. NAME OF OPERATOR

Marathon Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1698' FNL & 720' FEL

At top prod. interval reported below

At total depth

15. DATE SPUDDED

N/A

16. DATE T.D. REACHED

N/A

17. DATE COMPL. (Ready to prod.)

This Comp. 5/7/88

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5125' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

5815' KB

21. PLUG. BACK T.D., MD & TVD

5726' KB

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

0

ROTARY TOOLS

5726'

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Ismay (New Perforations - 5490'-5496')

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL-GR-CCL

27. WAS WELL CORED

Yes

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	40#	1500'	12-1/4"	610 sacks	None
7"	26#	5814'	8-3/4"	1125 sacks	None

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

Existing: 5504'-10', 5518'-24',
5529'-35', 5540'-45',
5553'-62' All 4 SPF
New: 5490'-5496' - 4 SPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5490'-5496'	Acidized w/500 gal. 15% HCL

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
This Comp. 5/1/88		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5/7/88	24	---	→	25	5	386	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
---	65	→	25	5	386	44 ⁰	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

TEST WITNESSED BY

J. VanGilder

35. LIST OF ATTACHMENTS

None

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

R P Mealer

TITLE

Regulatory Coordinator

DATE

November 22, 1988

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
			Same as original report			
			Dist: BLM-Orig & 2--cc: SUDOGM-2, WRF, TKS, FMK, Title & Cont (houston)			

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-TAS	✓
2- MICROFILM	✓
3- FILE	

UIC CHECKLIST FOR APPLICATION APPROVAL

OPERATOR MARATHON Oil Co. WELL NUMBER 4-26
 SEC. 26 T. 38S R. 25E COUNTY SAN JUAN
 API # 43-037-30941

NEW WELL _____ DISPOSAL WELL _____ ENHANCED RECOVERY WELL ✓

- | | | |
|----------------------------------|---|----------|
| - Plat showing surface ownership | Yes <u>✓</u> | No _____ |
| - Application forms complete | Yes <u>✓</u> | No _____ |
| - Schematic of well bore | Yes <u>✓</u> | No _____ |
| - Adequate geologic information | Yes <u>✓</u> | No _____ |
| - Rate and Pressure information | Yes <u>✓</u> | No _____ |
| - Fluid source | Yes <u>✓</u> | No _____ |
| - Analysis of formation fluid | Yes <u>✓</u> | No _____ |
| - Analysis of injection fluid | Yes <u>✓</u> | No _____ |
| - USDW information | Yes _____ | No _____ |
| - Mechanical integrity test | Yes <u>will be tested when commenced.</u> | No _____ |

Comments: Average Pressure 2400 psi
Maximum Pressure 3600psi
Rate 4000 BWPD
Injection interval 5490-5562 Tsmay

Reveiwed by [Signature] 1/30-31-89



P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4961

January 17, 1989

RE: Application to Convert to a Water Injection Well
Tin Cup Mesa #4-26
Lease #U-31928
Sec. 26, T38S, R25E
San Juan County, Utah

Gentlemen:

In accordance with the Utah Division of Oil, Gas and Mining rules and regulations, we are enclosing a copy of the application requesting approval to convert the above referenced well to water injection.

Copies of this application are on file in the State of Utah, Division of Oil, Gas and Mining office located in Salt Lake City, Utah, and in the Marathon Oil Company office in Cody, Wyoming.

Sincerely,

MARATHON OIL COMPANY

A handwritten signature in black ink, appearing to read 'J. R. Kearns', written over a horizontal line.

J. R. Kearns
Production Manager
Rocky Mountain Region

JRK/FMK/rrm

Attachment

STATE OF UTAH
 DIVISION OF OIL, GAS, AND MINING
 ROOM 4241 STATE OFFICE BUILDING
 SALT LAKE CITY, UTAH 84114
 (801) 533-5771
 (RULE 1-5)

FORM NO. DOGM-UIC-1

IN THE MATTER OF THE APPLICATION OF
Marathon Oil Company
 ADDRESS P. O. Box 2690
Cody, Wyoming ZIP 82414
 INDIVIDUAL PARTNERSHIP CORPORATION
 FOR ADMINISTRATIVE APPROVAL TO DISPOSE OR
 INJECT FLUID INTO THE Tin Cup Mesa #4-26 WELL
 SEC. 26 TWP. 38S RANGE 25E
San Juan COUNTY, UTAH

CAUSE NO. _____

ENHANCED RECOVERY INJ. WELL	<input checked="" type="checkbox"/>
DISPOSAL WELL	<input type="checkbox"/>

APPLICATION

Comes now the applicant and shows the Division the following:

1. That Rule 1-5 (b) 6 authorizes administrative approval of enhanced recovery injections or disposal operations.
2. That the applicant submits the following information.

Lease Name <u>Tin Cup Mesa</u>	Well No. <u>4-26</u>	Field <u>Tin Cup Mesa</u>	County <u>San Juan</u>
Location of Enhanced Recovery Injection or Disposal Well <u>1698' ENL & 720' FEL</u> Sec. <u>26</u> Twp. <u>38S</u> Rge. <u>25E</u>			
New Well To Be Drilled Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Old Well To Be Converted Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Casing Test Yes <input type="checkbox"/> No <input type="checkbox"/> Date <u>(Will Notify)</u>	
Depth-Base Lowest Known Fresh Water Within 1/2 Mile <u>None</u>	Does Injection Zone Contain Oil-Gas-Fresh Water Within 1/2 Mile YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>		State What <u>Oil & Gas</u>
Location of Injection Source(s) <u>N26° 1' W 1,881' to NW Corner of Section 25</u>	Geologic Name(s) and Depth of Source(s) <u>Cutler 2900' KB and Upper Ismay Produced Water</u>		
Geologic Name of Injection Zone <u>Ismay</u>	Depth of Injection Interval <u>5490'</u> to <u>5562'</u>		
a. Top of the Perforated Interval: <u>5490'</u>	b. Base of Fresh Water: <u>0</u>	c. Intervening Thickness (a minus b) <u>5490'</u>	
Is the intervening thickness sufficient to show fresh water will be protected without additional data? YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>			
Lithology of Intervening Zones <u>Sandstones, Siltstones, Shales, Limestones and Anhydrite</u>			
Injection Rates and Pressures Maximum <u>4000</u> B/D <u>3600</u> PSI			
The Names and Addresses of Those To Whom Copies of This Application and Attachments Have Been Sent <u>See Exhibit 'H' of the attached Class II Injection Well Application</u>			

State of Wyoming)
 County of Park)

J. R. Kearns
 Applicant J. R. Kearns, Production Manager
Rocky Mountain Region

Before me, the undersigned authority, on this day personally appeared J. R. Kearns, who being by me duly sworn on oath states, that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Connie A. Schwartz
 Notary Public
 County of Park
 My Commission Expires Sept. 6, 1992

Suscribed and sworn to before me this 17th day of Jan, 1989

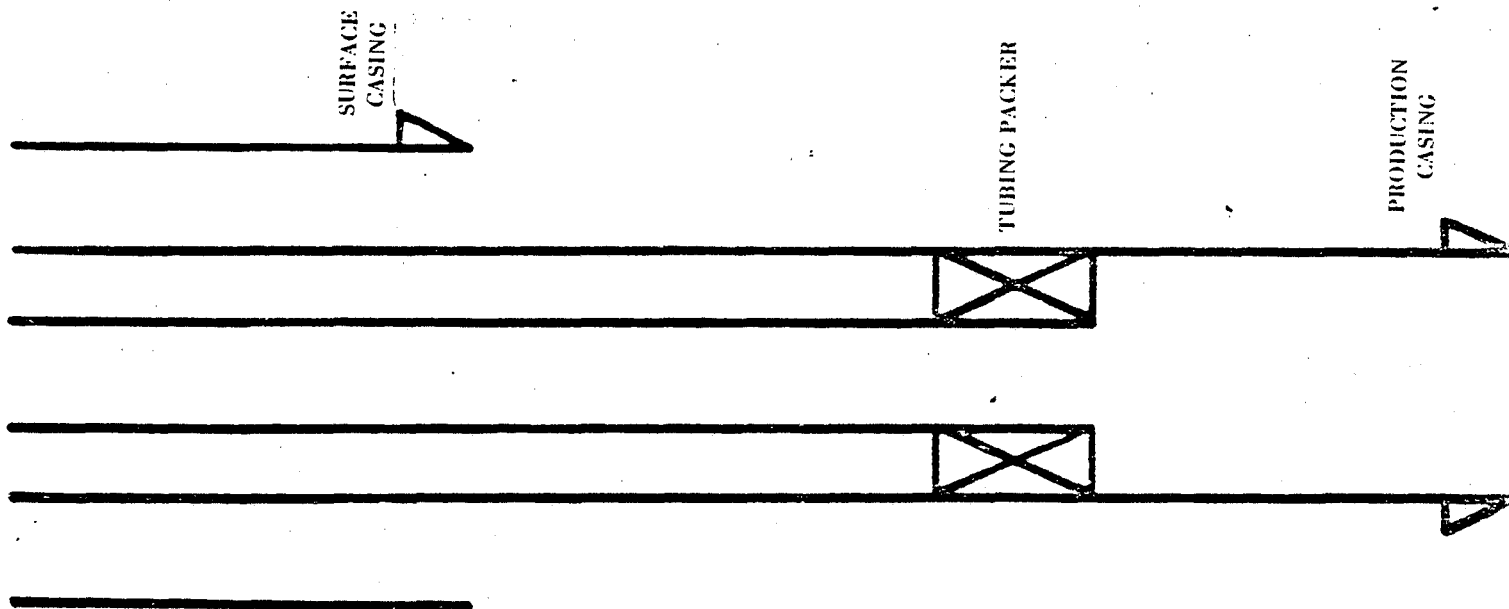
Connie A. Schwartz
 Notary Public in and for Park County

1. Attach qualitative and quantitative analysis of fresh water from 2 or more producing wells within 1 mile of injection well showing location of wells and date samples were taken, or statement as to why samples were not submitted.
2. Attach qualitative and quantitative analysis of representative sample of water to be injected.
3. Attach plat showing subject well and all known oil and gas wells, abandoned, drilling and dry holes within 1/2 mile, together and with name of operator.
4. Attach Drillers Log (Form DOGM-UIC-2). (Appropriate Surety must be on file with Conservation Division.)
5. Attach Electric or Radioactivity Log of Subject well (if released).
6. Attach schematic drawing of subsurface facilities including; Size, setting depth, amount of cement used measured or calculated tops of cement surface, intermediate (if any) and production casings; size and setting depth of tubing; type and setting depth of packer; geologic name of injection zone showing top and bottom of injection interval.
7. The original and 6 copies of application, and one complete set of attachments shall be mailed to the Division.
8. Deliver 1 copy of application to landowner on whose land injection well is located and to each operator of a producing leasehold within 1/2 mile of injection well.
9. Affidavit of mailing or delivery shall be filed not later than five days after the application is filed.
10. Notice that an application has been filed shall be published by the Division in a newspaper of general circulation in the county in which the well is located. The Division shall file proof of publication before the application is approved. The notice shall include name and address of applicant, location of proposed injection or disposal well, injection zone, injection pressure and volume. If no written objection is received within 15 days from date of publication the application will be approved administratively.
11. A well shall not be used for injection or disposal unless completed machine accounting Form DOGM-UIC-3b is filed September 1st, each year.
12. Approval of this application, if granted, is valid only as long as there is no substantial change in the operations set forth in the application. A substantial operation change requires the approval of a new application.
13. If there is less intervening thickness required by Rule I-5 (b) 4 attach sworn evidence and data.

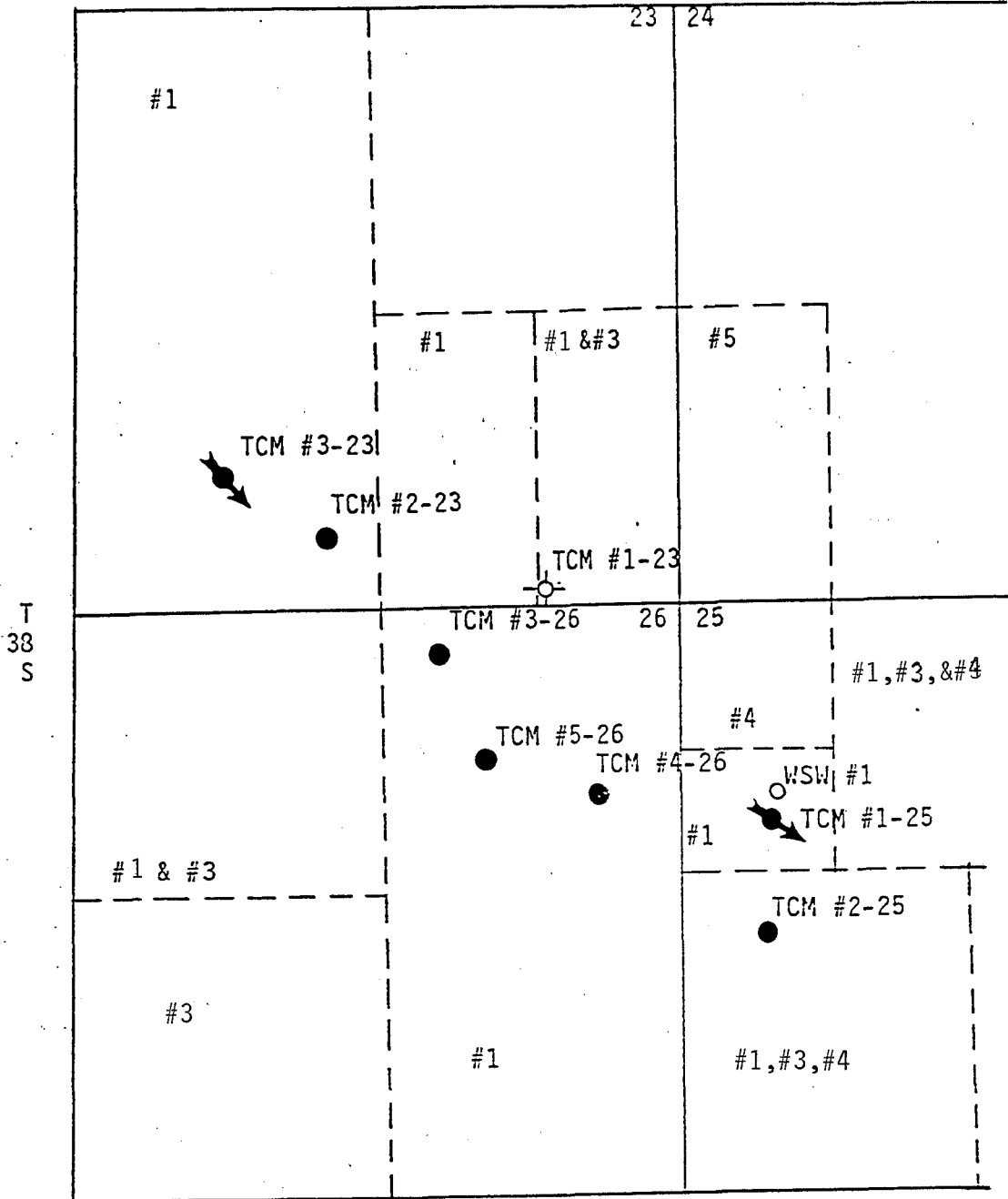
CASING AND TUBING DATA

NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMENT	TOP OF CEMENT	TOP DETERMINED BY
Surface	9-5/8"	1500'	610	Surface	Returns to Surface
Intermediate					
Production	7"	5814'	1125'	Surface	CBL and returns to Surface
Tubing	2-7/8"	5400'	Name - Type - Depth of Tubing Packer Baker Inverted Lok-Set Internally Coated, 5400'		
Total Depth 5815'	Geologic Name - Inj. Zone Ismay		Depth - Top of Inj. Interval 5490'	Depth - Base of Inj. Interval 5562'	

SKETCH - SUB-SURFACE FACILITY



R25E



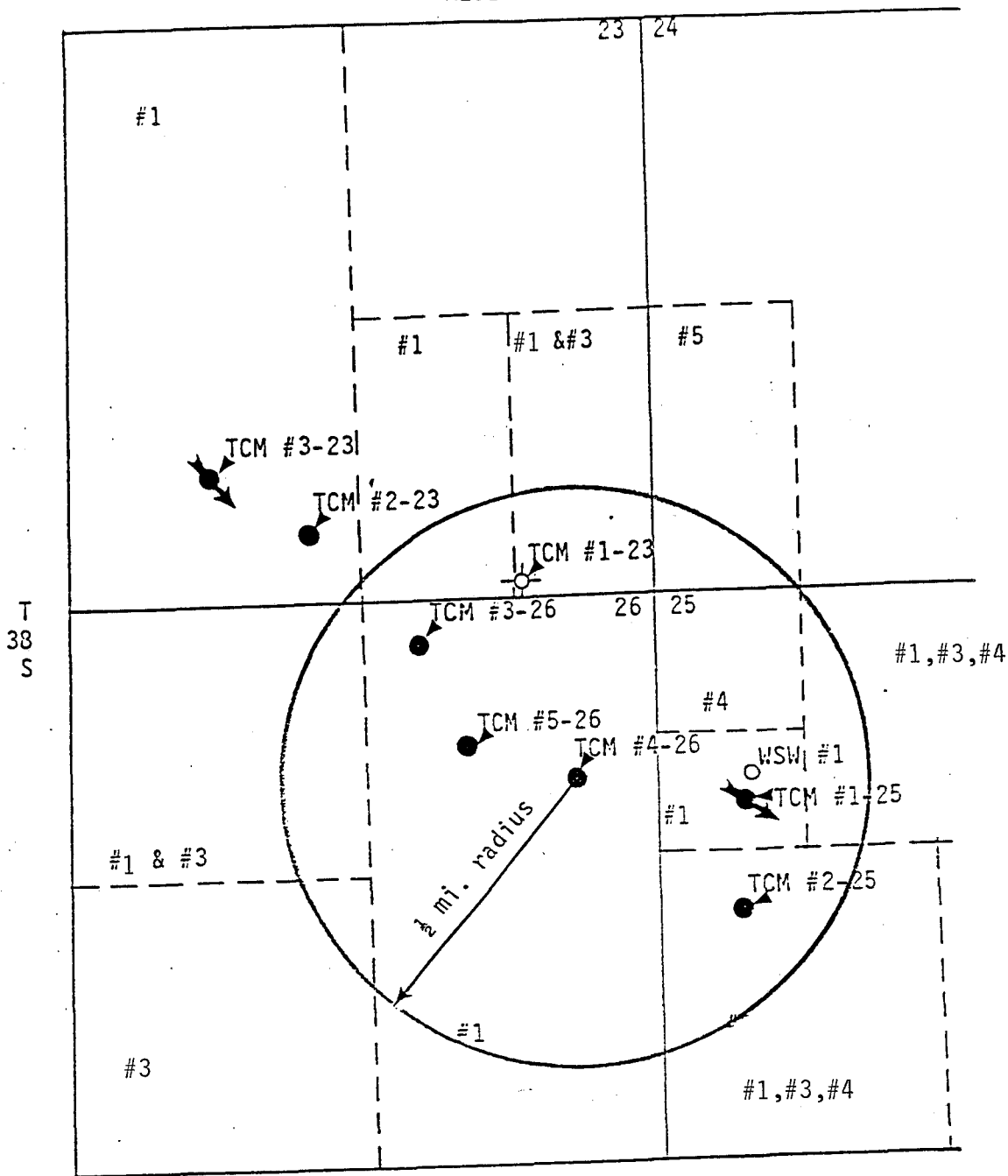
Surface Owner of all lands within a one-half mile radius is the Department of the Interior, Bureau of Land Management.

Legend

- Producing Oil Well
- Water Injection Well
- Water Supply Well
- Plugged & Abandoned Well

Exhibit 'B'

R25E



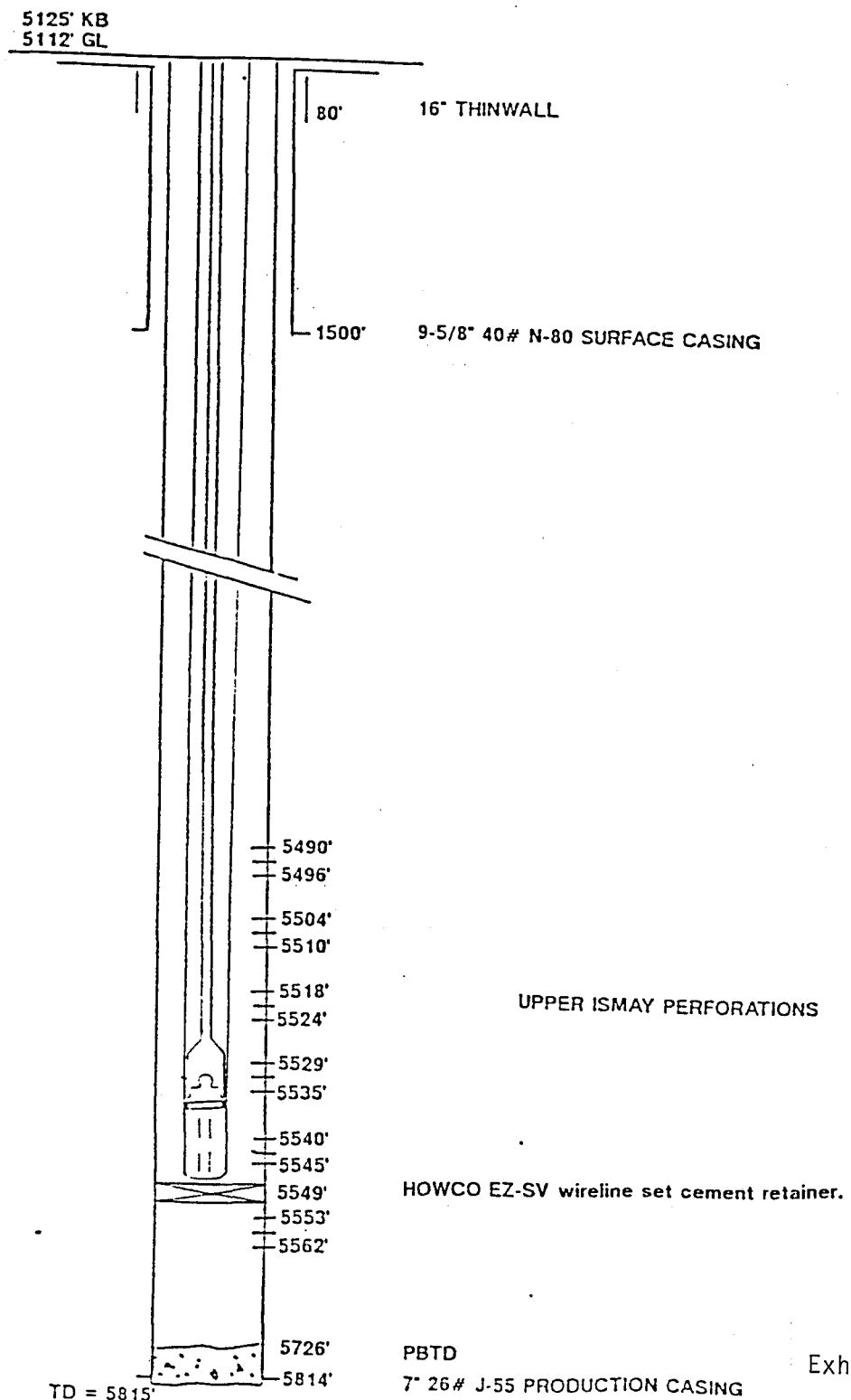
LEASE OWNERS WITHIN A ONE-HALF MILE RADIUS

1. Marathon Oil Company
3. Celsius Energy Company
4. MCOR Oil & Gas Corporation
5. P.P. Bauer

TIN CUP MESA #4-26

1698' FNL, 720' FEL
Section 26, T38S, R25E
San Juan County, Utah

Current Completion



TIN CUP MESA #4-26

1698' FNL, 720' FEL
Section 26, T38S, R25E
San Juan County, Utah

Proposed Completion

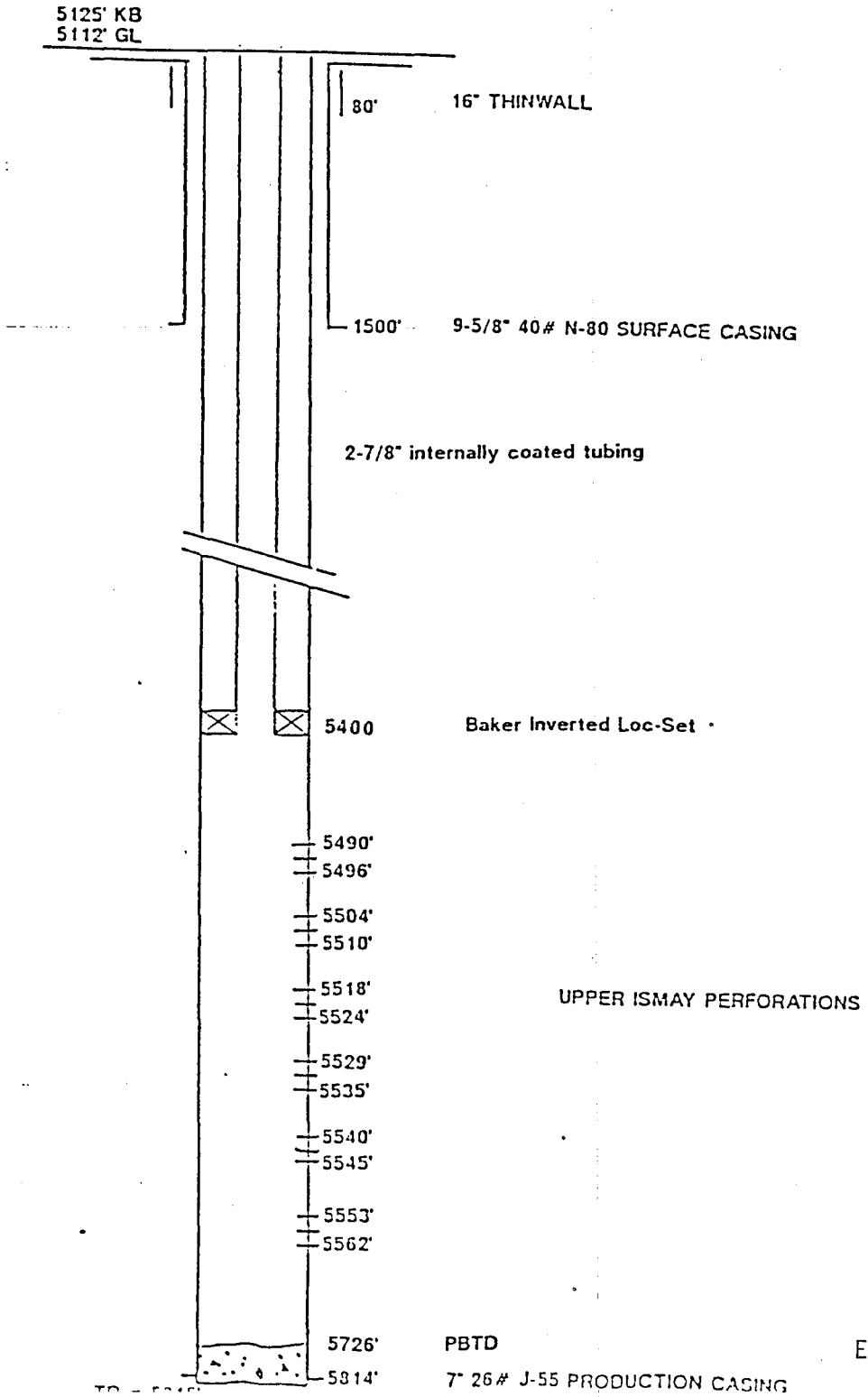


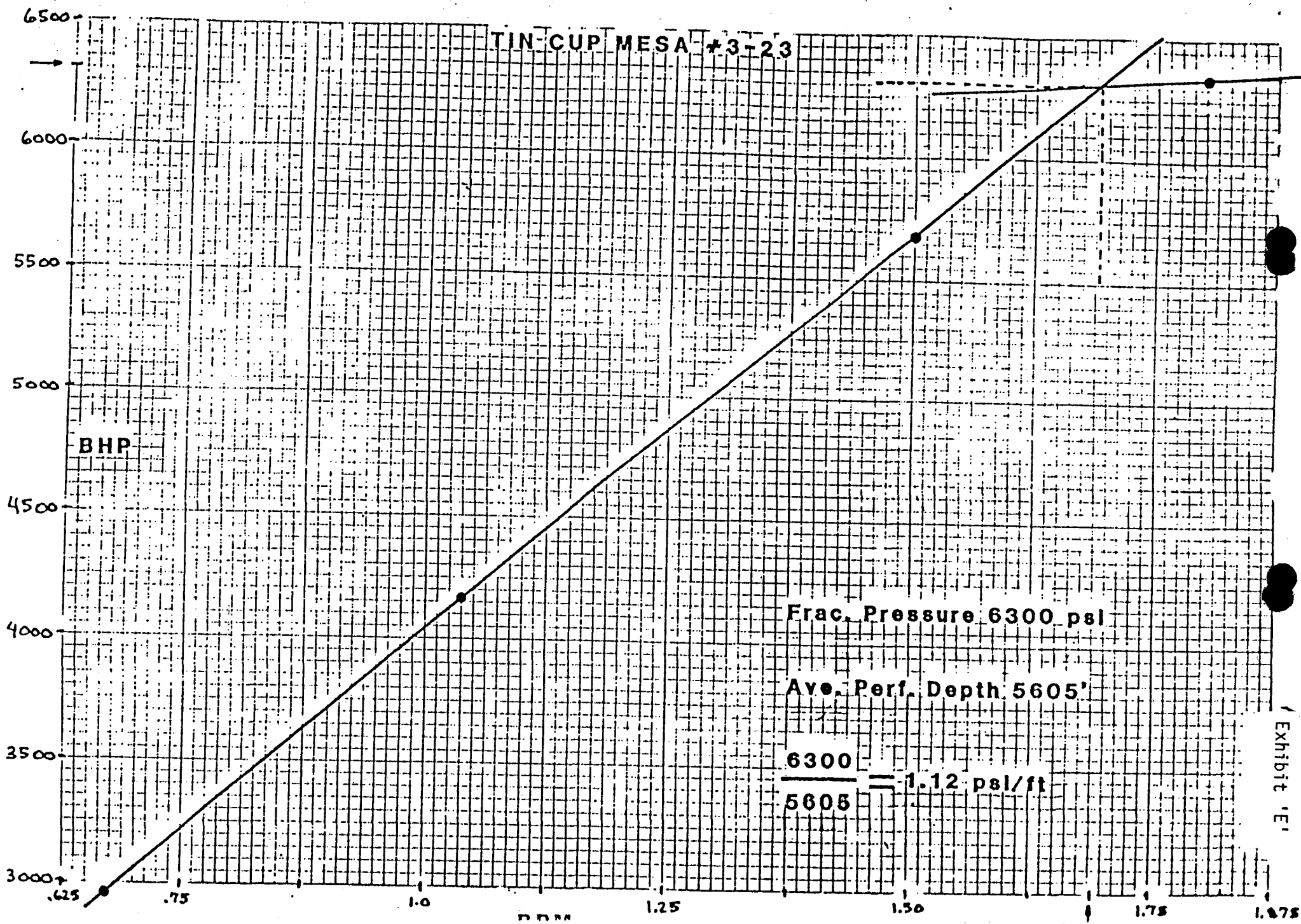
Exhibit 'D'

SUUMARY OF WATER ANALYSES*
AT TIN CUP MESA, UTAH

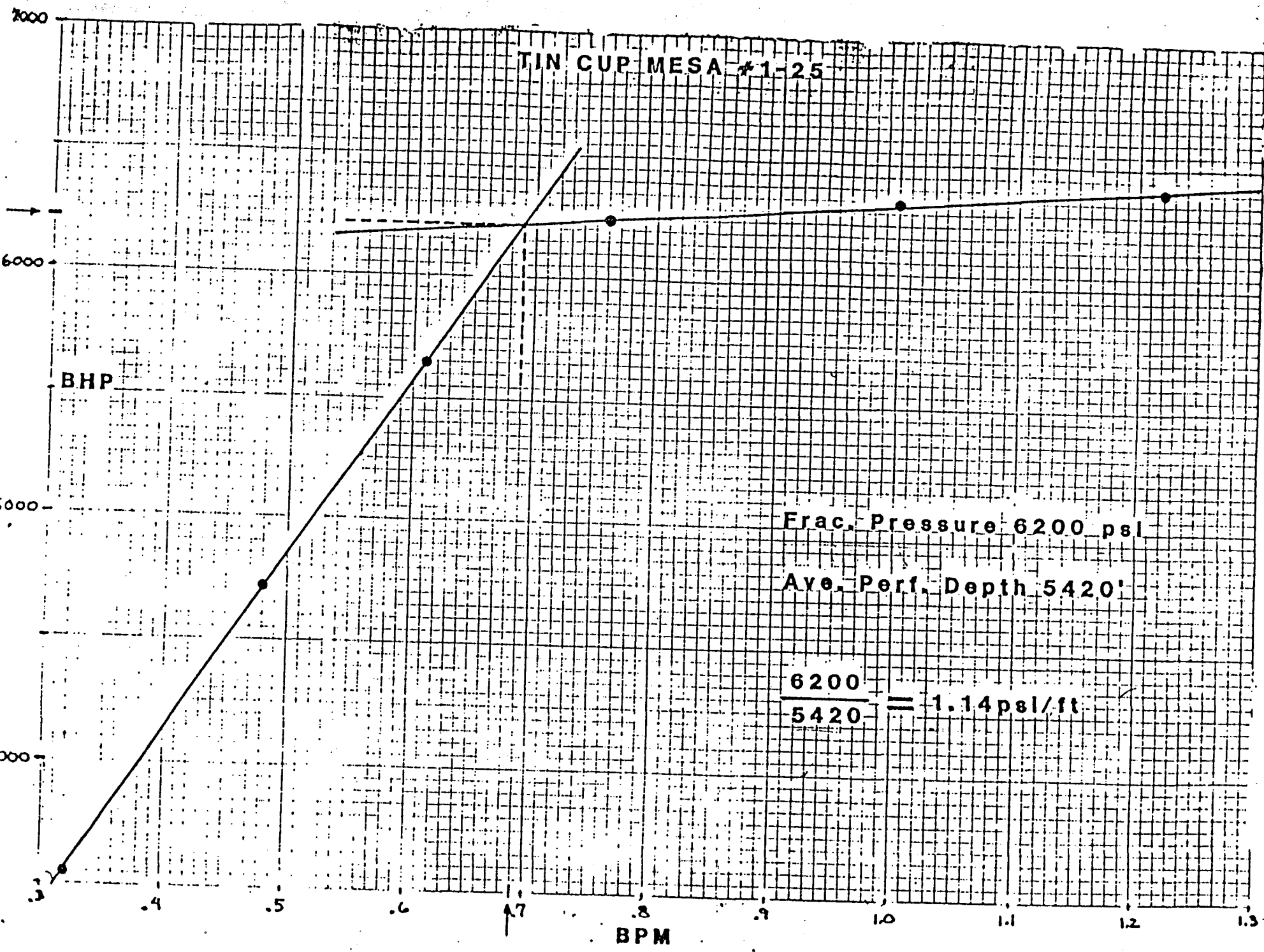
	<u>Cutler Water Properties</u>	<u>Ismay Water Properties</u>
PH	7.9	6.4
Temp °F	68	100
TDS (mg/l)	75,562	256,894
TSS (mg/l)	< 1.0	N.A.
Ca (mg/l)	4,840	11,235
Na (mg/l)	18,360	67,880
Cl ⁻ (mg/l)	39,440	147,008
O ₂ (ppb)	< 10	< 100
CO ₃ (mg/l)	< 1	< 1
Fe (mg/l)	1.7	9.0
H ₂ S (mg/l)	< 0.1	< 0.1
SO ₄ (mg/l)	1,380	735
HCO ₃ (mg/l)	41	67
K (mg/l)	78	2,864
Sr (mg/l)	170	375
Ba (mg/l)	< 20	< 20

*These tests were performed by DRC personnel.

TIN CUP MESA #3-23



TIN CUP MESA #1-25



Frac. Pressure 6200 psi

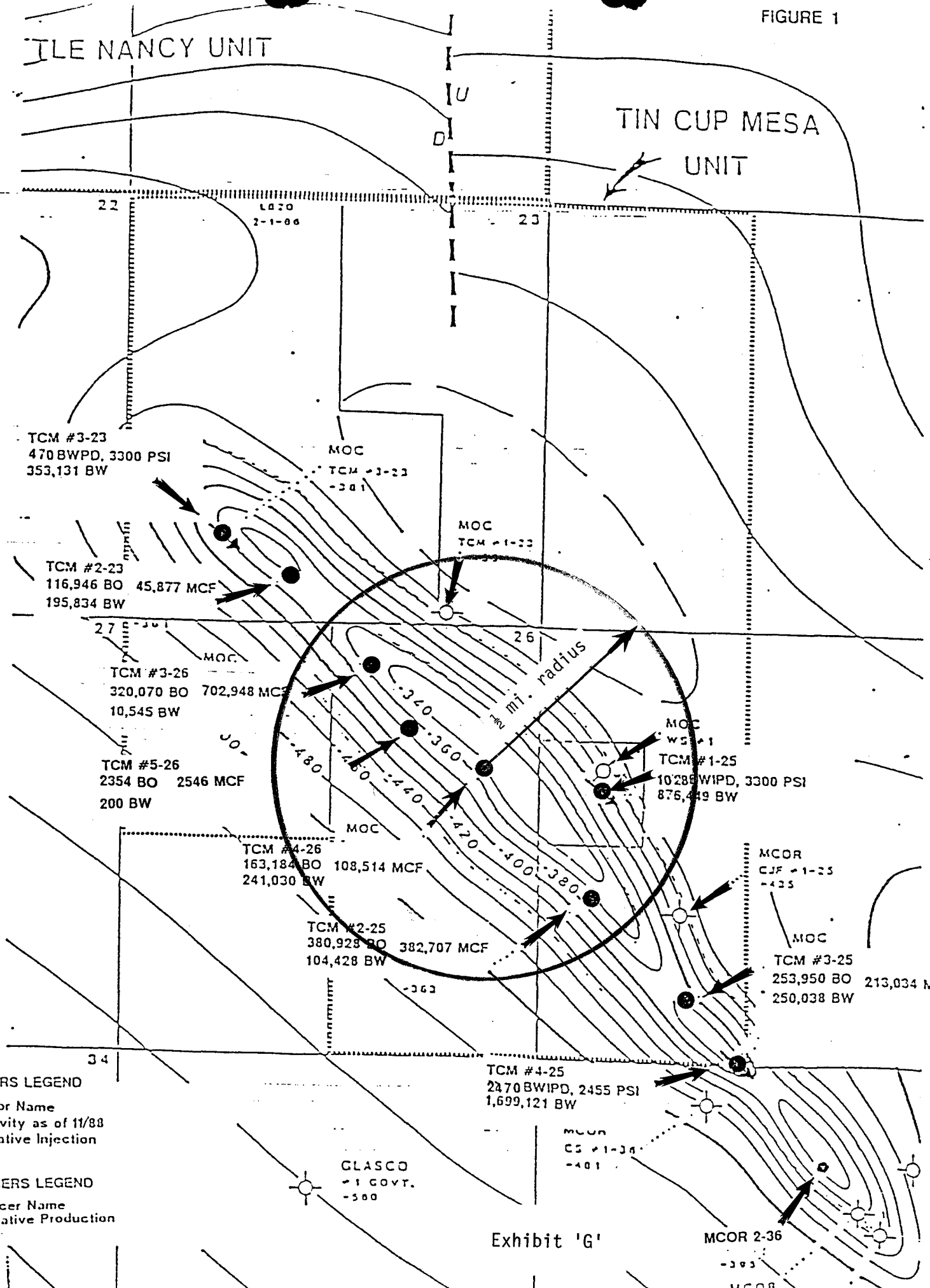
Ave. Perf. Depth 5420'

$$\frac{6200}{5420} = 1.14 \text{ psi/ft}$$

FIGURE 1

ILE NANCY UNIT

TIN CUP MESA UNIT



TCM #3-23
470 BWPD, 3300 PSI
353,131 BW

TCM #2-23
116,946 BO 45,877 MCF
195,834 BW

TCM #3-26
320,070 BO 702,948 MCF
10,545 BW

TCM #5-26
2354 BO 2546 MCF
200 BW

TCM #4-26
163,184 BO 108,514 MCF
241,030 BW

TCM #2-25
380,928 BO 382,707 MCF
104,428 BW

TCM #4-25
2470 BWIPD, 2455 PSI
1,699,121 BW

TCM #1-25
10,288 WIPD, 3300 PSI
876,449 BW

TCM #1-25
425

TCM #3-25
253,950 BO 213,034 MC
250,038 BW

INJECTORS LEGEND
Injector Name
Injectivity as of 11/88
Cumulative Injection

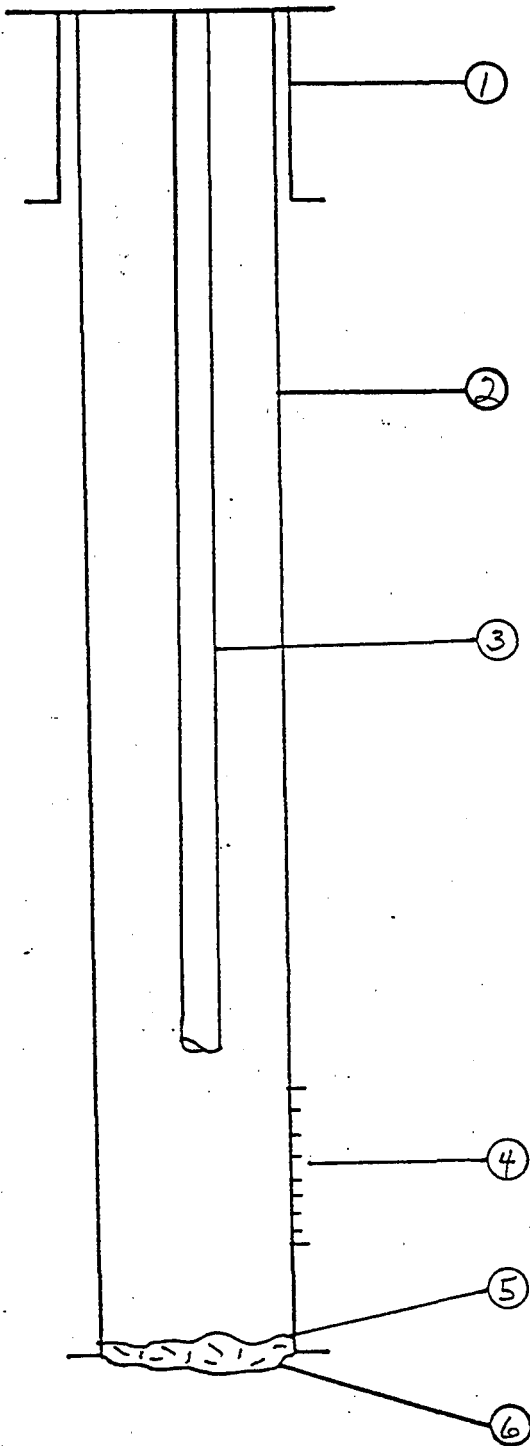
PRODUCERS LEGEND
Producer Name
Cumulative Production

GLASCO
-1 GOV'T.
-500

Exhibit 'G'

MCOR 2-36

Tin Cup Mesa
Water Supply Well #1
Sec. 25, T38S, R25E
San Juan Co., Utah



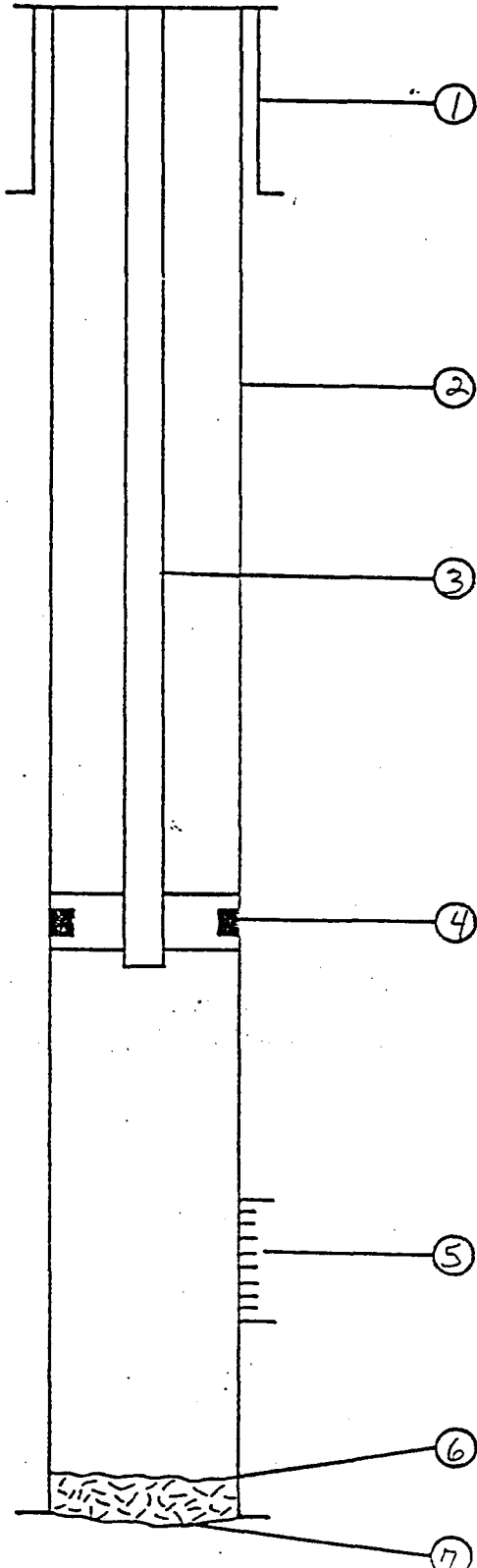
Description

1. 9 5/8" 40# S-80 casing set at 1,489' and cemented to surface.
2. 7" 23# N-80 casing set at 3,414' and cemented to surface.
3. 3 1/2' 9.3# J-55 tubing set at 2,007'.
4. Cutler Formation perforations 2,410' - 2,424', 2,438' - 2,450', 2,458' - 2,466', 2,914' - 2,924', 2,932' - 2,946', 3,001' - 3,013', 3,226' - 3,236', 3,106' - 3,116', 3,188' - 3,196', 3,246' - 3,258' KB.
5. PBTD 3,315'.
6. TD 3,415'.

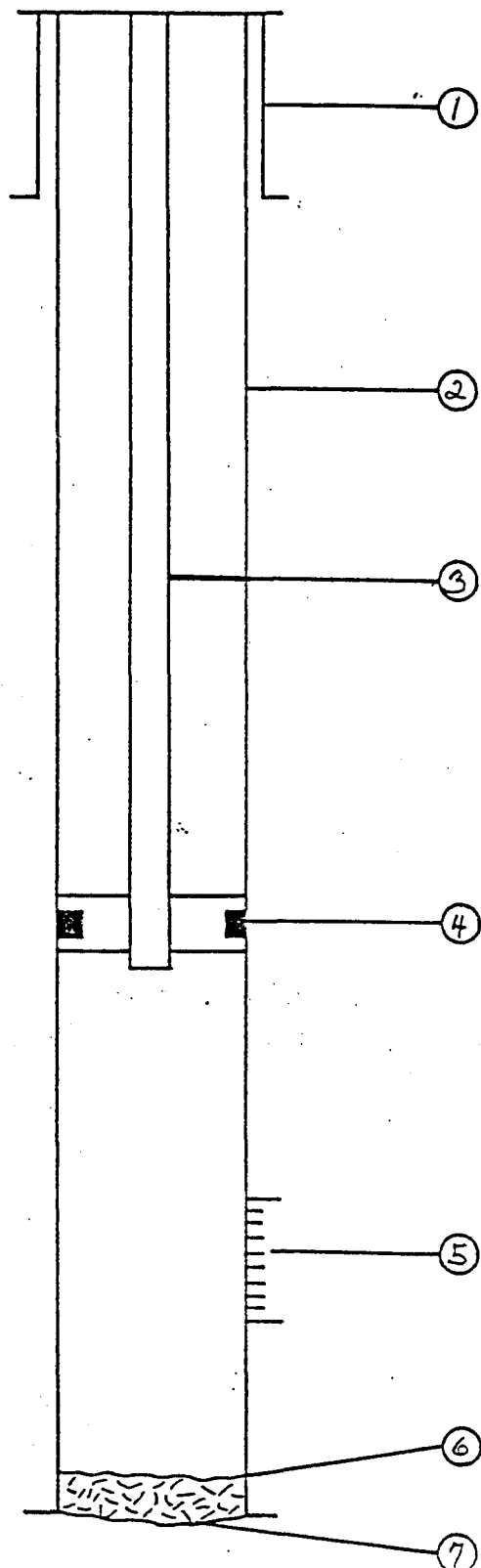
Tin Cup Mesa
Water Injection Well #1-25
Sec. 25, T38S, R25E
San Juan Co., Utah

Description

1. 9 5/8" 36# K-55 casing set at 1,557', cemented with 640 sacks of cement to surface and tested to 1,500 psi.
2. 7" 23# and 26# K-55 casing set at 5,712', cemented with 995 sacks of cement to 1,520' KB (CBL) and tested to 3,000 psi.
3. 2 7/8" tubing landed in packer.
4. Packer set at 5,346' KB.
5. Ismay Perforations 5,416' - 5,426'.
6. PBTD 5,460' KB.
7. TD 5,714' KB.

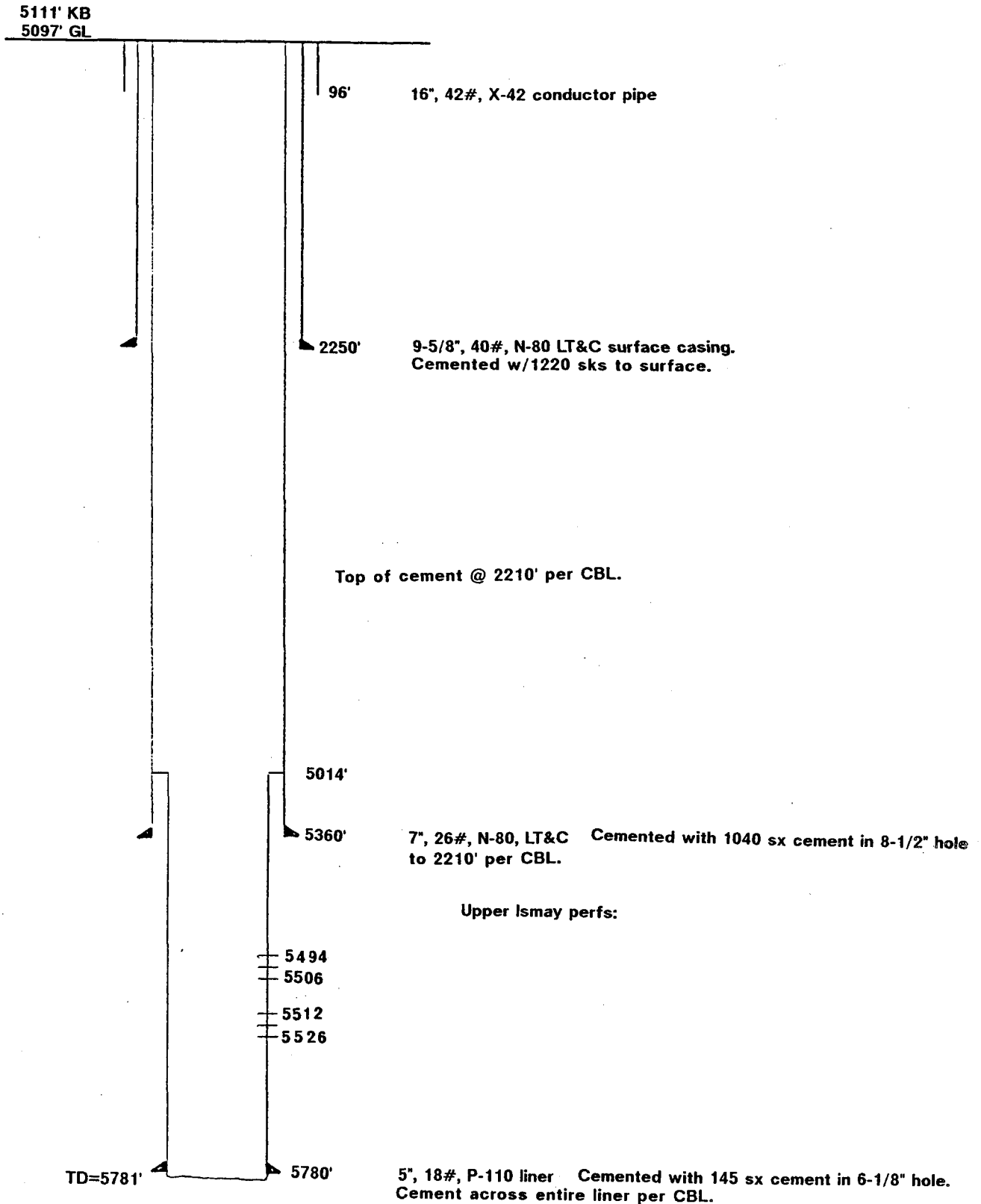


Tin Cup Mesa #3-26
Sec. 26, T38S, R25E
San Juan Co., Utah



Description

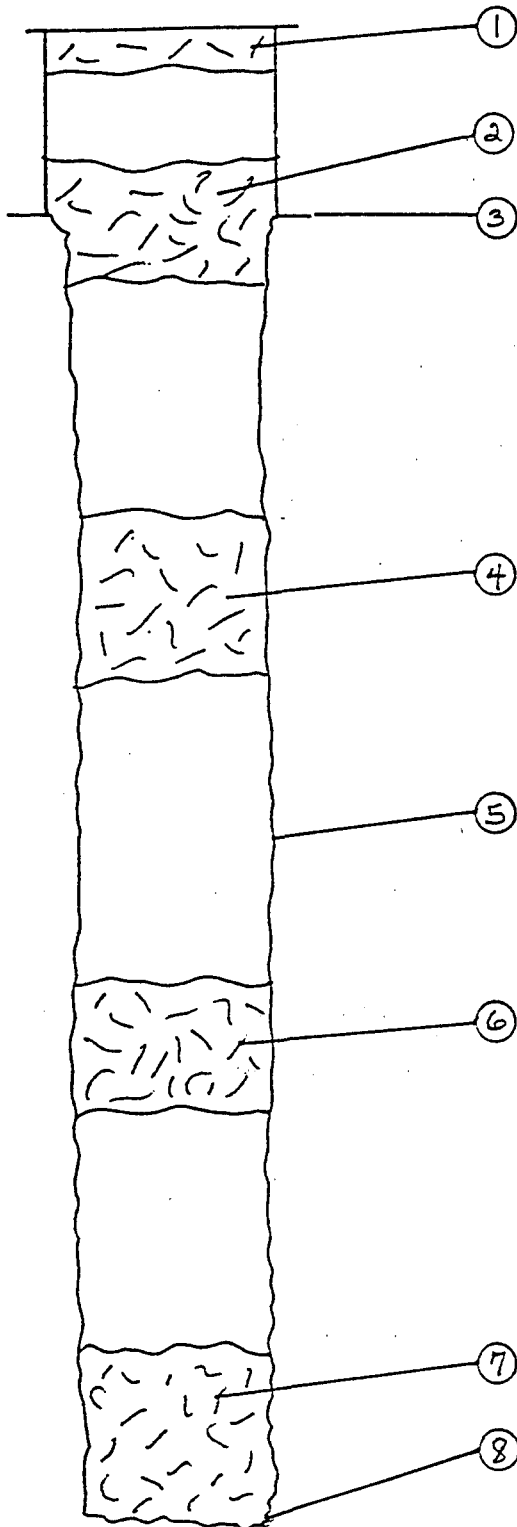
1. 13 3/8" 54,5# K-55 casing set at 1,224' and cemented to surface with 1,200 sacks of cement.
2. 7" 20#, 23#, and 26# K-55 casing set at 5,774' and cemented with 1,220 sacks of cement to 970' KB.
3. 2 7/8" 6.5# N-80 tubing landed in the packer.
4. Packer set at 5,436' KB.
5. Ismay perforations 5,482' - 5,531'.
6. PBTD 5,695'.
7. TD 5,780'.



Note: This well was sidetracked in the original hole drilled.
See WRF for additional information.

Exhibit 'G-4'

Tin Cup Mesa #1-23
Sec. 23, T38S, R25E
San Juan Co., Utah



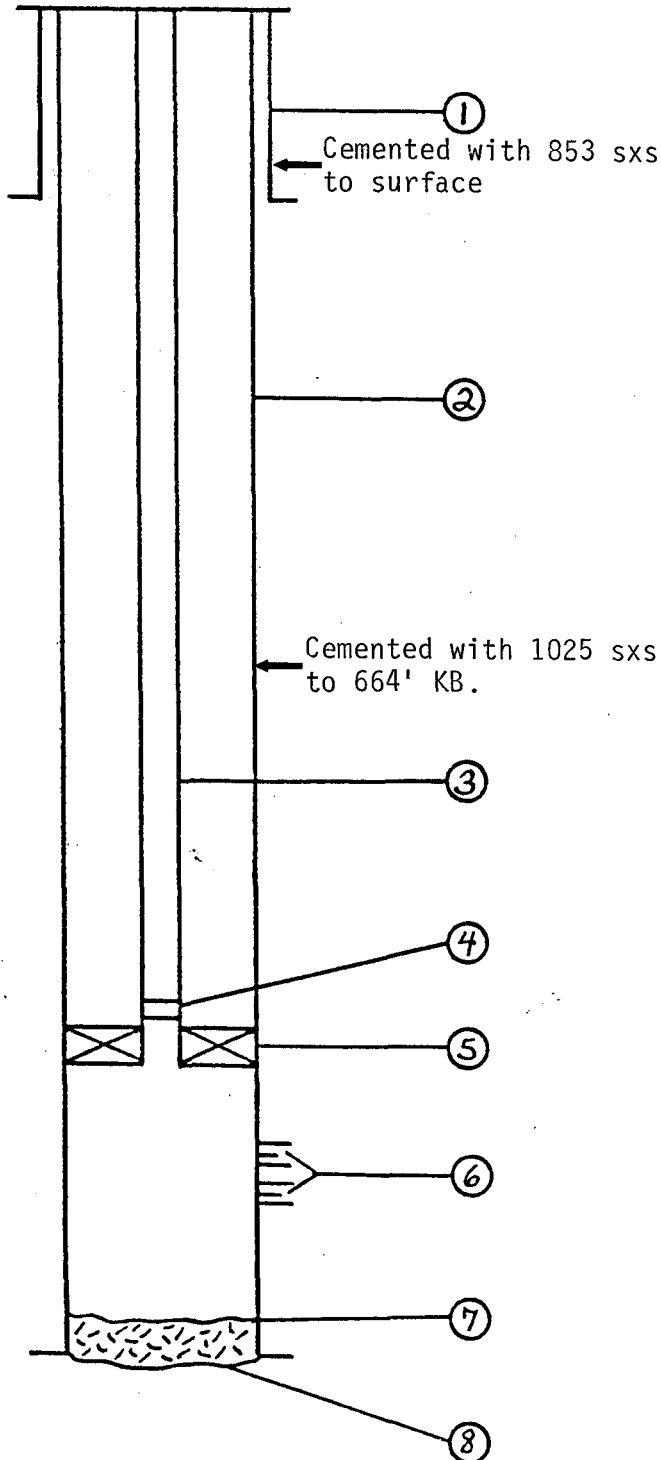
Description

1. A Ten sack cement plug to surface.
2. A 75 sack cement plug from 1,250' - 1,450'.
3. 9 5/8" 36# K-55 casing set at 1,348' and cemented to surface with 546 sacks of cement.
4. A 70 sack cement plug from 2,470' - 2,670'.
5. Open hole - uncased to a TD of 5,810'.
6. A 70 sack cement plug from 4,225' - 4,425'.
7. A 455 sack cement plug from 5,350' - 5,810'.
8. TD 5,810'.

TIN CUP MESA #2-25
All Measurements KB
4,904' GL 4,916' KB

DESCRIPTION

1. 8 5/8", 24#, K-55 Csg. set at 1,502'
2. 5 1/2", 15.5# and 17#, K-55 Csg. set at 5,619'
3. 2 7/8", 6.5#, N-80 Tbg. landed at 5,195'
4. On-Off Tool at 5,190'
5. Baker Model A-2 Lok-Set Packer at 5,195'
6. Ismay Perforations 5,300'-5,314' and 5,326'-5,342'
7. PBDT 5,530'
8. TD 5,619'





P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4961

January 17, 1989

RECEIVED
JAN 19 1989

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

RE: Application for Approval to Convert
Tin Cup Mesa #4-26 to a Class II Injection Well
SENE 1698' FNL & 720' FEL
Section 26, Township 38 South, Range 25 East
San Juan County, Utah 43-037-30941

Dear Sir:

Pursuant to R615-5-2 of the Rules and Regulation of the State of Utah Division of Oil, Gas and Mining, Marathon Oil Company hereby makes application for approval to convert and operate Tin Cup Mesa #4-26 as a Class II Water Injection well. The information requested by Rule R615-5-2 of the DOGM is as follows:

1. Tin Cup Mesa #4-26 is presently producing from the Ismay Formation. Upon conversion to injection approval, the well will be completed, equipped, operated and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
2. A properly completed Form DOGM-UIC-1 is attached as Exhibit 'A'.
3. A plat showing the locations of Tin Cup Mesa #4-26, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well. Exhibit 'B' and Exhibit 'B-1'.
4. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity are on file with the Division.
5. A copy of cement bond or comparable log, run for the proposed injection well after casing was set and cemented, is on file with the Division.

6. A description of the casing of the Tin Cup Mesa #4-26 well is shown in Exhibits 'C' and 'C-1'. The casing annulus will be pressure tested to 1000 psi surface and witnessed by the DOGM prior to commencing injection operations.
7. The type of fluid to be used for injection will be Cutler Formation Water obtained from the Tin Cup Mesa #1 water supply well and produced Ismay formation water which is separated from produced oil at the Tin Cup Mesa Processing Facility. The Tin Cup Mesa Processing Facility and the Tin Cup Mesa #1 Water Supply Well are both located in the NW1/4 of Section 25, Township 38 South, Range 25 East, San Juan County, Utah. It is estimated that a maximum of 4000 BWPD will be injected.
8. Laboratory analyses are shown in Exhibit 'D' of :
 - A. the fluid to be injection (Cutler and Ismay)
 - B. the fluid in the formation into which the fluid is being injected (Ismay)
 - C, As shown on Exhibit 'D' the Cutler water is of higher purity than the Ismay water.
9. The proposed injection pressures are:

Average 2400 psi
Maximum 3600 psi
10. Evidence and data to support a finding that the proposed conversion to injection of Tin Cup Mesa #4-26 will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata is as follows:

Injectivity tests were previously performed on Tin Cup Mesa #1-25 and #3-23 in the same Upper Ismay reservoir. Water was injected through existing production perforations. From these tests a fracture pressure and frac gradient were obtained. Refer to Exhibits 'E' and 'F'. Results are summarized below.

	<u>Tin Cup Mesa #3-23</u>	<u>Tin Cup Mesa #1-25</u>
Frac Gradient	1.12 psi/ft.	1.14 psi/ft.
Fracture Pressure (Bottom Hole)	6,300 psi.	6,200 psi.
Fracture Pressure (Surface)	3,867 psi.	3,848 psi.

Maximum surface injection pressure requested for Tin Cup Mesa #4-26 is 3600 psi, which is more than 200 psi below fracture pressure. High pressure shut down devices and relief valves will be designed to operate at 3500 psi and

3600 psi, respectively, to insure that the fracture pressure will not be exceeded.

11. The injection zone is the Upper Ismay of the Paradox Formation. The Upper Ismay is composed of porous and permeable limestone and dolomite. At the #4-26 Tin Cup Mesa location, the injection zone is expected to be 119' thick with the top at 5457' GL. The porous and permeable carbonate rocks vary in thickness from 0' to 120', but they are restricted to the Tin Cup Mesa Field only. Outside the field, the carbonate rocks are composed of tight limestone and they are less than 20' thick.

The confining stratum directly above the injection zone is the Upper Ismay massive anhydrite. The massive anhydrite is a dense, tight rock which is estimated to be 6' thick at the #4-26 Tin Cup Mesa location with the top at 5451' GL. The anhydrite thins across the field to 5' and thickens away from the field to 90' or more. Above the massive anhydrite is an impermeable layer of interbedded anhydrite and calcareous and dolomitic shales. The thickness of this layer ranges between 20' and 45' and it is expected to be approximately 21' thick at the #4-26 location with the top at 5430' GL. A black shale overlies the layer of interbedded anhydrite and shales.

The black shale is expected to be approximately 14' thick at the #4-26 Tin Cup Mesa location and the top will be at approximately 5416' GL.

The massive anhydrite overlying the injection zone extends for three miles from the Tin Cup Mesa Field. The interbedded anhydrite and shales extend more than 3 miles from the Tin Cup Mesa Field. The black shale above the interbedded anhydrite and shales extends throughout the southern Paradox Basin. All three of these units, the massive anhydrite, the interbedded anhydrite and shales, and the black shale, are impermeable and they will effectively seal off the oil, gas, and water of the injection zone from any strata above the Upper Ismay.

The confining stratum below the injection zone is the Hovenweep Shale. The Hovenweep Shale is composed of impermeable calcareous and dolomitic shales. The Hovenweep is approximately 39' thick at the #4-26 Tin Cup Mesa location and the top is at 5576' GL. The Hovenweep extends more than a few miles beyond the Tin Cup Mesa Field and throughout the southern Paradox Basin. The Hovenweep is impermeable and it will effectively seal off the oil, gas and water of the injection zone from any strata below the Upper Ismay.

12. There are six wells located within a one-half mile radius of the #4-26 Tin Cup Mesa Well, shown on Exhibit 'G'. Well

bore schematics showing the mechanical condition for each well are attached (Exhibit 'G-1' through Exhibit 'G-6'). As shown on each wellbore diagram, the cement top behind the casing of each well is of sufficient height to prevent migration of any fluid up or down from the interested zone.

13. An affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within a one-half mile radius of the proposed injection well is attached as Exhibit 'H'.

14. If additional information is required please contact the Marathon Oil Company office in Cody, Wyoming.

If no objections to the granting of this Application are timely filed for converting the Tin Cup Mesa #4-26 well to an Ismay injector from any lease operators, owners or surface owners within a one-half (1/2) mile radius thereof, Applicant requests that this "Application" be approved administratively.

If objections to the converting of the Tin Cup Mesa #4-26 well to an Ismay injector are timely filed, then Applicant requests that the matter be set for hearing and that it be advised of the hearing date.

Six (6) additional copies of this Application are attached hereto.

Respectfully submitted,

MARATHON OIL COMPANY



J. R. Kearns
Production Manager
Rocky Mountain Region

JRK/FMK/rrm

Attachments

State of Utah
Division of Oil, Gas and Mining

Exhibit 'H'

Application of Marathon Oil Company
to Convert to Injection
Tin Cup Mesa #4-26, located in
Section 26, Township 38 South,
Range 25 East, San Juan County, Utah

AFFIDAVIT

STATE OF UTAH)
) SS.
COUNTY OF SAN JUAN)

J. R. Kearns, of Legal age, being first duly sworn upon oath states:

The following named people constitute all lease operators, owners, and surface owners (as defined by the Utah Division of Oil, Gas and Mining Laws) within a one-half (1/2) mile radius of the proposed injection well, described in the Application to which this Affidavit is attached to wit:

Surface Owner

Bureau of Land Management
P. O. Box 970
Moab, Utah 84532

Lease Holders

Marathon Oil Company
P. O. Box 2690
Cody, Wyoming 82414

P. P. Bauer
7800 E. Union Avenue
#130
Denver, Colorado 80237


Celsius Energy Company
P. O. Box 11070
Salt Lake City, Utah

MCOR Oil and Gas Corporation
5718 Westheimer
Houston, Texas 77057

The addresses listed after the names of the operator and surface owners constitute the last mailing address of said operator and owner as far as the applicant Marathon Oil Company and the undersigned have been able to ascertain.

State of Utah
Division of Oil, Gas and Mining
Exhibit 'H'
Page Two

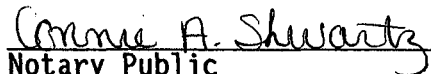
On the 17th day of January, 1989, Applicant caused a full and true copy of the Application to which this Affidavit is attached, to be mailed to the operators or owners, other than Applicant, at their addresses herein mentioned.



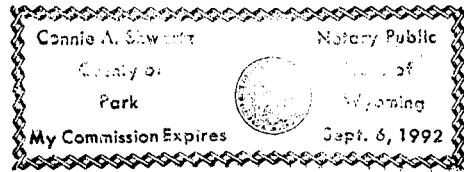
J. R. Kearns
Production Manager
Rocky Mountain Region

Subscribed and sworn to before me this 17th day of January, 1989.

My commission expires 9-6-1992.



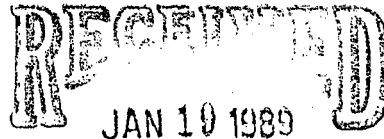
Notary Public





P.O. Box 2690
Cody, Wyoming 82414
Telephone 307/587-4961

January 17, 1989



State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

DIVISION OF
OIL, GAS & MINING

RE: Application for Approval to Convert
Tin Cup Mesa #4-26 to a Class II Injection Well
SENE 1698' FNL & 720' FEL
Section 26, Township 38 South, Range 25 East
San Juan County, Utah 43-037-30941

Dear Sir:

Pursuant to R615-5-2 of the Rules and Regulation of the State of Utah Division of Oil, Gas and Mining, Marathon Oil Company hereby makes application for approval to convert and operate Tin Cup Mesa #4-26 as a Class II Water Injection well. The information requested by Rule R615-5-2 of the DOGM is as follows:

1. Tin Cup Mesa #4-26 is presently producing from the Ismay Formation. Upon conversion to injection approval, the well will be completed, equipped, operated and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved.
2. A properly completed Form DOGM-UIC-1 is attached as Exhibit 'A'.
3. A plat showing the locations of Tin Cup Mesa #4-26, all abandoned or active wells within a one-half mile radius of the proposed well, and the surface owner and the operator of any lands or producing leases, respectively, within a one-half mile radius of the proposed injection well. Exhibit 'B' and Exhibit 'B-1'.
4. Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity are on file with the Division.
5. A copy of cement bond or comparable log, run for the proposed injection well after casing was set and cemented, is on file with the Division.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions
verse blue)

Form approved.
Bureau Bureau No. 1004-0135
Expires August 31, 1985

4. LEASE DESIGNATION AND SERIAL NO.
U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
JAN 30 1989

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with BLM "DIVISION OF OIL, GAS & MINING" Form 3160-5, Rev. 11/83. See also space 17 below.)
At surface

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
4-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa

11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA
Sec 26, T38S, R25E

14. PERMIT NO.
43-027-30941

15. ELEVATIONS (Show whether OF, RT, CL, etc.)
5125' KB

12. COUNTY OR PARISH 13. STATE
San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other)

PULL OR ALTER CASING
MULTIPLE COMPLETION
ABANDON*
CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other) Shut-In

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

On January 1, 1989, the above referenced well was shut-in. Future plans are to convert this well to injection.

BLM-Orig & 3--cc: ^{subdgm} ~~WRF~~ 2, WRF, FMK, GBP, Title & Contract (Houston)

18. I hereby certify that the foregoing is true and correct

SIGNED RPM

TITLE Regulatory Coordinator

DATE January 16, 1988

(This space for Federal or State office use)

APPROVED BY ACCEPTED
CONDITIONS OF APPROVAL, IF ANY:

TITLE Branch of Fluid Minerals
Moab District

DATE JAN 24 1989

*See Instructions on Reverse Side



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 3, 1989

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City UT 84110

Gentlemen:

Re: Cause No. UIC-115

Enclosed is a Notice Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 15th day of February, 1989. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City Utah 84180-1203

Sincerely,

Barbara Dumas
Office Technician

bd
Enclosure
UI2/6



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor

Dee C. Hansen
Executive Director

Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 3, 1989

San Juan Record
P.O. Box 879
937 East Highway 666
Monticello, Utah 84535-0879

Gentlemen:

Re: Cause No. UIC-115

Enclosed is a Notice Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible, but no later than the 15th day of February, 1989. In the event that said notice cannot be published by this date, please notify me immediately by calling 538-5340.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City Utah 84180-1203

Sincerely,

A handwritten signature in cursive script that reads "Barbara Dumas".

Barbara Dumas
Office Technician

bd
Enclosure
UI2/6

Publications sent to the following

Marathon Oil Company
P.O. Box 2690
Cody, WY 82414

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, UT 84110

San Juan Record
P.O. Box 879
937 East Highway 666
Monticello, UT 84535-0879


Bureau of Land Management
Moab District Office
P. O. Box 970
Moab, UT 94532

U.S. EPA
999 18th Street Suite 500
Denver, CO 80202-2405

P.P. Bauer
7800 East Union Avenue #130
Denver, CO 80237

Celsius Energy Company
P.O. Box 11070
Salt Lake City, UT

MCOR Oil and Gas Corp.
5718 Westheimer
Houston, TX 77057


Barbara Dumas
Oil and Gas Technician
February 3, 1989

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---oo0oo---

IN THE MATTER OF THE APPLICATION : NOTICE OF AGENCY ACTION
OF MARATHON OIL COMPANY FOR :
ADMINISTRATIVE APPROVAL OF THE : CAUSE NO. UIC-115
TIN CUP MESA UNIT NO. 4-26 :
LOCATED IN SECTION 26, :
TOWNSHIP 38 SOUTH, RANGE 25 EAST, :
S.L.B. & M., SAN JUAN COUNTY, UTAH, :
AS A CLASS II INJECTION WELL :

---oo0oo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Marathon Oil Company for administrative approval of the Tin Cup Mesa Unit No. 4-26 well, located in Sections 26, Township 38 South, Range 25 East, SLB & M, San Juan County, Utah, for conversion to a Class II injection well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10.

The operating data for the well is as follows:

Injection Interval: Paradox Formation, 5490' to 5562'
Maximum Injection Rate/Surface Pressure: 4000 bwpd @ 3600 psig

Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.

DATED this 3rd day of February, 1989.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



R. J. Firth
Associate Director, Oil and Gas

AFFIDAVIT OF PUBLICATION

Public notice

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF MARATHON OIL COMPANY FOR ADMINISTRATIVE APPROVAL OF THE TIN CUP MESA UNIT NO. 4-26 LOCATED IN SECTION 26, TOWNSHIP 38 SOUTH, RANGE 25 EAST, S.L.B.&M., SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-115

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Marathon Oil Company for administrative approval of the Tin Cup Mesa Unit No. 4-26 well, located in Sections 26, Township 38 South, Range 25 East, SLB&M, San Juan County, Utah, for conversion to a Class II injection well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10.

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4000 bwpd @ 3600 psig

Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.

DATED this 3rd day of February, 1989.

STATE OF UTAH
DIVISION OF OIL,
GAS AND MINING
s/R.J. Firth

Associate Director, Oil and Gas

Published in The San Juan Record February 15, 1989.

I, Joyce Martin, being duly sworn, depose and say that I am the publisher of **The San Juan Record**, a weekly newspaper of general circulation published at Monticello,

Utah every Wednesday; that notice of agency action, Cause No.

UIC-115

a copy of which is hereunto attached, was published in the regular and entire issue of each number of said newspaper for a period of one issues, the first publication having been made on February 15, 1989. ~~and the~~ last publication having been made on _____.

Joyce A. Martin
Publisher

Subscribed and sworn to before me this 15th day of February,

A.D. 1989.

Lynne K. Williams
Notary Public residing at Monticello, Utah

My commission expires December 2, 1991

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation
AGENT

The Salt Lake Tribune

DESERET NEWS

MORNING & SUNDAY

EVENING & SUNDAY

Affidavit of Publication

STATE OF UTAH. }
County of Salt Lake }

I Sam Anderson

Hereby certify that the attached advertisement of NOTICE OF AGENCY ACTION CAUSE NO. UIC-115BE for DIV OF OIL, GAS & MIN NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE and DESERET NEWS, daily newspapers printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah.

PUBLISHED ON FEB 10 1989

SUBSCRIBED AND SWORN TO BEFORE ME THIS 11TH DAY OF FEBRUARY 19 89

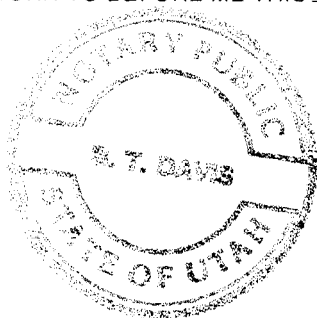
Legal Notices

NOTICE OF AGENCY ACTION CAUSE NO. UIC-115 BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH IN THE MATTER OF THE APPLICATION OF MARATHON OIL COMPANY FOR ADMINISTRATIVE APPROVAL OF THE TIN CUP MESA UNIT NO. 4-26 LOCATED IN SECTION 26, TOWNSHIP 38 SOUTH, RANGE 25 EAST, S.L.M., SAN JUAN COUNTY, UTAH, AS A CLASS II INJECTION WELL. THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Marathon Oil Company for administrative approval of the Tin Cup Mesa Unit No. 4-26 well; located in Section 26, Township 38 South, Range 25 East, SLB & M, San Juan County, Utah, for conversion to a Class II Injection well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10. The operating data for the well is as follows:
Injection Interval: Paradox Formation, 5490' to 5562'
Maximum Injection Rate/Surface Pressure: 4000 bwpd @ 3600 psig

Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining. DATED this 3rd day of February, 1989.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R. J. Firth
Associate Director, Oil and Gas
K-32



B. J. Davis
NOTARY PUBLIC
MARCH 1, 1992
COMMISSION EXPIRES
RESIDING IN SALT LAKE COUNTY

LEGAL ADVERTISING INVOICE

ACCOUNT NAME	AD NUMBER	TELEPHONE		
DIV OF OIL, GAS & MIN	K-32	801-538-5340		
SCHEDULE	MISC. CHARGES			
FEB 10 1989	.00			
ADVERTISER	SIZE	TIMES	RATE	AD CHARGE
AGENCY ACTION CAUSE	60 LINES	1	1.42	85.20
TOTAL AMOUNT DUE				85.20

PLEASE RETURN THIS PORTION

BILL TO:
DIV OF OIL, GAS & MIN
355 W N TEMPLE, 3 TRIAD
STATE OF UT NATRL
SLC, UT 84180

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE
MAKE CHECKS PAYABLE TO:
NEWSPAPER AGENCY CORPORATION
(PLEASE WRITE YOUR ACCOUNT NUMBER ON YOUR CHECK)

ACCOUNT NUMBER	BILLING DATE
LE-5385340	02/11/89
AD NUMBER	PAY THIS AMOUNT
K-32	85.20

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation
AGENT

The Salt Lake Tribune

DESERET NEWS

MORNING & SUNDAY

EVENING & SUNDAY

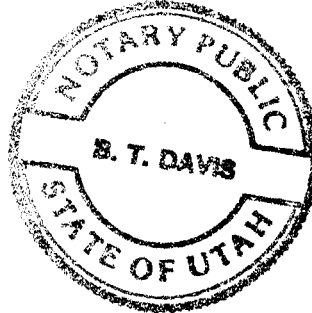
Affidavit of Publication

STATE OF UTAH. }
County of Salt Lake } ss.

I Don Anderson Hereby certify that the attached advertisement of NOTICE OF AGENCY ACTION CAUSE NO. UIC-115BE for DIV OF OIL, GAS & MIN was published by the NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE and DESERET NEWS, daily newspapers printed in the English language with general circulation in Utah, and published in Salt Lake City, Salt Lake County in the State of Utah.

PUBLISHED ON FEB 10 1989

SUBSCRIBED AND SWORN TO BEFORE ME THIS 11TH DAY OF FEBRUARY 19 89



B. T. Davis
NOTARY PUBLIC

MARCH 1, 1992

COMMISSION EXPIRES
RESIDING IN SALT LAKE COUNTY

LEGAL ADVERTISING INVOICE

ACCOUNT NAME		AD NUMBER	TELEPHONE	
DIV OF OIL, GAS & MIN		K-32	801-538-5340	
CUST. REF. NO.	SCHEDULE	MISC. CHARGES		
CAUSE #UIC-115	C FEB 10 1989	.00		
CAPTION	SIZE	TIMES	RATE	AD CHARGE
NOTICE OF AGENCY ACTION CAUSE	60 LINES	1	1.42	85.20
DUE AND PAYABLE ON RECEIPT OF THIS INVOICE FOR BILLING INFORMATION CALL 801-237-2796			TOTAL AMOUNT DUE	85.20

TO INSURE PROPER CREDIT

PLEASE RETURN THIS PORTION

WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE
MAKE CHECKS PAYABLE TO:

NEWSPAPER AGENCY CORPORATION

(PLEASE WRITE YOUR ACCOUNT
NUMBER ON YOUR CHECK)

BILL TO:
DIV OF OIL, GAS & MIN
355 W N TEMPLE, 3 TRIAD
STATE OF UT NATRL
SLC, UT 84180

ACCOUNT NUMBER	BILLING DATE
LE-5385340	02/11/89
AD NUMBER	PAY THIS AMOUNT
K-32	85.20

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Older instructions apply to
other forms)

Form approved
Bureau Bureau No. 1004-0135
Expires August 31, 1984

2. LEASE DESIGNATION AND SERIAL NO.
U-31928
6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED
MAR 02 1988

1. OIL WELL GAS WELL OTHER Convert to

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any special instructions.
See also address 17 below.)
At surface
1698' FNL & 720' FEL

DIVISION OF
OIL, GAS & MINING

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
4-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa

11. SEC. T. R. M. OR B.L. AND
ACREAGE OR AREA
Sec. 26, T38S, R25E

14. PERMIT NO.
43-037-30941

15. ELEVATIONS (Show whether DT, RT, CR, etc.)
5125' KB

12. COUNTY OR PARISH 13. STATE
San Juan Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF
FRACTURE TREAT
SHOOT OR ACIDIZE
REPAIR WELL
(Other) Convert to Injection

PLUG OR ALTER CASING
MULTIPLE COMPLETION
ABANDON*
CHANGE PLANS

WATER SHUT-OFF
FRACTURE TREATMENT
SHOOTING OR ACIDIZING
(Other)

REPAIRING WELL
ALTERING CASING
ABANDONMENT*

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Marathon Oil Company requests approval to convert the above referenced well from an Ismay producer to an Ismay water injector. The attached procedure will be followed:

* Attached please find a copy of the application which was submitted to the Division of Oil, Gas and Mining. *

*** APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**
DATE: 3-7-89
BY: [Signature]

* Approval letter dated 3-2-89

BLM-Orig & 3--cc: ^{Subogm} WOGCC-2, WRF, FMK, TKS, Title & Contract (Houston)

18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Regulatory Coordinator DATE 1/16/89

(This space for Federal or State office use)
APPROVED BY [Signature] TITLE District Mgr. DATE 2/21/89
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Tin Cup #4-26

PROCEDURE

1. File Sundry Notice for converting Tin Cup Mesa #4-26 to injection.
 2. Obtain static fluid level.
 3. MIRU workover rig.
 4. POOH and lay down rods and pump. Nipple up BOPE.
 5. POOH with tubing. PU 4 3-1/2" drill collars, x-over and 6-1/8" mill-tooth bit on 2-7/8" tubing and RIH to 5,549' KB. Establish circulation and drill out HOWCO EZ-SV cement retainer. Circulate hole clean with 2% KCl water.
 6. POOH and LD DC's and bit. RT 6-1/8" bit and scraper (dressed for 7" 26# casing) to PBTD.
 7. LD bit and scraper. Load tubing onto truck to be hauled to Casper for inspection and coating. RIH with 10 joints extra tubing for a kill string. Shut down until coated tubing is returned.
- Note: While tubing is being coated the rig may or may not be left standing on location, depending on the work picture of the area at the time of the workover.
8. PU coated tubing and 7" internally coated Baker Inverted Lok-Set packer with six element assembly. RIH to 5,400' KB. Fill backside with inhibited water and set packer with 12-15,000# tension.
 9. Pressure test annulus to 1,000 psi with Utah State Oil and Gas Representative on location as a witness.
 10. Nipple down BOP's and install injection head.
 11. Release rig.
-



State of Utah

DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING

Norman H. Bangertter

Governor

Dee C. Hansen

Executive Director

Dianne R. Nielson, Ph.D.

Division Director

355 West North Temple

3 Triad Center, Suite 350

Salt Lake City, Utah 84180-1203

801-538-5340

March 2, 1989

Marathon Oil Company
P.O. Box 2690
Cody, WY 82414

Gentlemen:

RE: Tin Cup Mesa Unit Well No. 4-26 located in Section 26,
Township 38 South, Range 25 East, S.L.B. & M., San Juan
County, Utah

In accordance with Rule R615-5-3(3), Oil and Gas Conservation General Rules, administrative approval for the referenced Class II injection well is granted.

The following actions are necessary to fully comply with this approval:

- 1) Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.
- 2) Conformance with all conditions of the submitted application.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Best regards,

A handwritten signature in cursive script that reads "Dianne".

Dianne R. Nielson
Director

GHL/bld
cc: BLM, Moab

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

8

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Surface Disturbance

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with BLM requirements.
See also space 17 below.)
At surface
1698' FNL & 720' FEL

14. PERMIT NO.
43-037-30941

15. ELEVATIONS (Show whether DT, RT, GL, etc.)
5125' KB

RECEIVED
MAR 10 1989
DIVISION OF
OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.
U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
4-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa

11. SEC., T., R., M., OR BLM, AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETION <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	
(Other) <input checked="" type="checkbox"/> Surface Disturbance			

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

In order to convert the above reference well to injection, a surface disturbance is required to install an injection line from the injection header, located at the Tin Cup Mesa Gas Facility, to the #4-26 well. The injection line will be installed in an existing right-of-way and will parallel the road from the gas facility to the wellsite. The line will be buried approximately 3 to 6 feet deep throughout its entire length. All Archaeological work was completed in previously approved rights-of-way. Once the injection line is buried, the surface will be reclaimed to BLM specification.

Accepted by the State
of Utah Division of
Oil, Gas and Mining

Date: 3-15-89

BLM-Orig & 3--cc: ^{Subcom} ~~10000~~-2, WRF, FMK, TKS, Title & Contract ^{By} (Houston) *[Signature]*

18. I hereby certify that the foregoing is true and correct
SIGNED *[Signature]* TITLE Regulatory Coordinator DATE 1/16/89

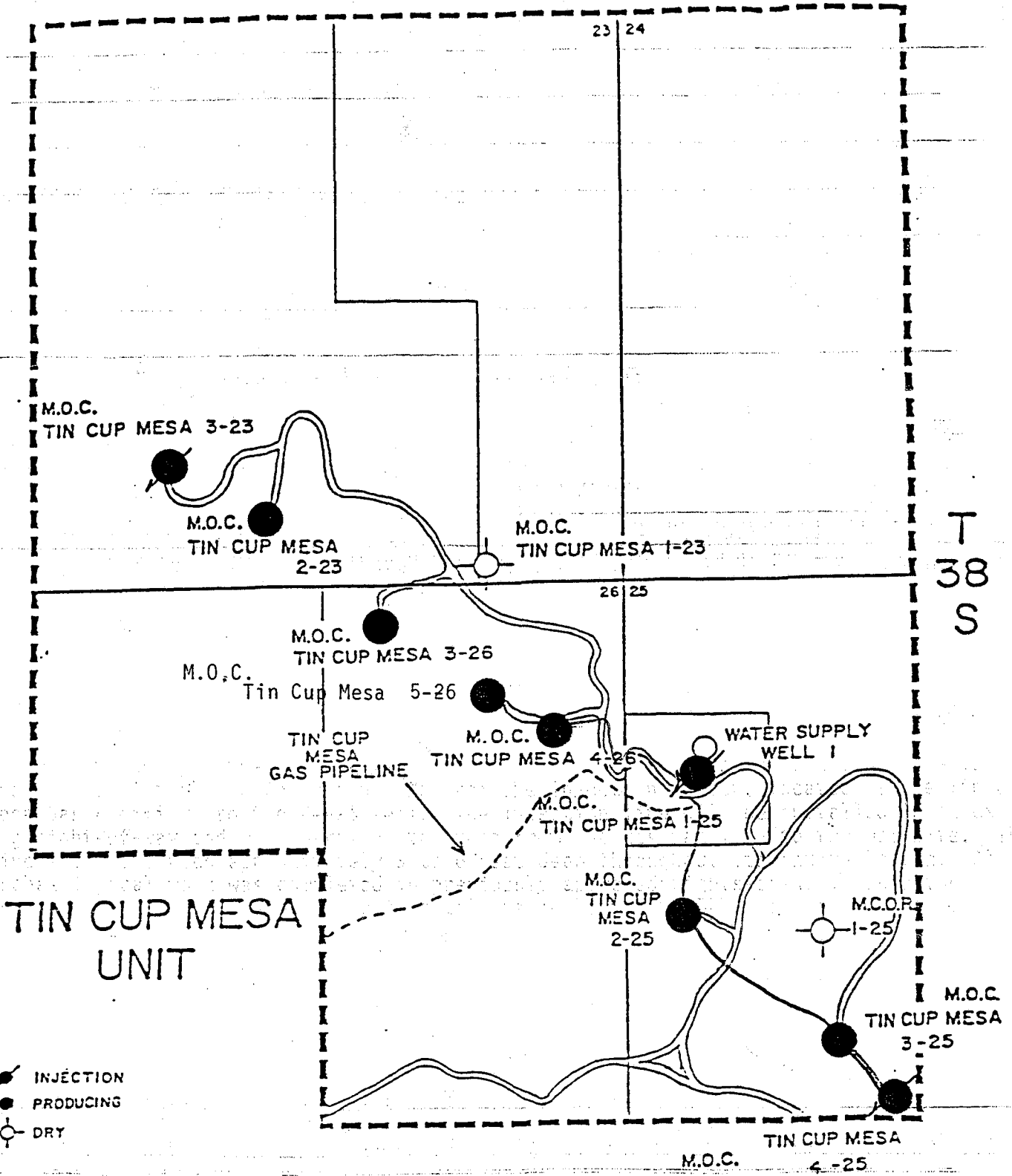
(This space for Federal or State (check one))

APPROVED BY *[Signature]* TITLE Acting District Mgr DATE 3/26/89
CONDITIONS OF APPROVAL, IF ANY:

Federal Approval of this
Action is Necessary

*See Instructions on Reverse Side

R 25 E



INJECTION LINE TO TIN CUP MESA #4-26

Proposed Injection Line _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Converted to Injection		7. UNIT AGREEMENT NAME Tin Cup Mesa
2. NAME OF OPERATOR Marathon Oil Company		8. FARM OR LEASE NAME Tin Cup Mesa
3. ADDRESS OF OPERATOR P. O. Box 2690, Cody, Wyoming 82414		9. WELL NO. 4-26
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also page 17 below.) At surface 1698' FNL & 720' FEL		10. FIELD AND POOL, OR WILDCAT Tin Cup Mesa
14. PERMIT NO. 43-037-30941		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 26, T38S, R25E
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5125' KB		12. COUNTY OR PARISH 13. STATE San Juan Utah

RECEIVED
APR 28 1989
DIVISION OF
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Converted to Injection</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Marathon Oil Company has completed the following work:

1. Pulled production equipment.
2. Pressure tested the casing.
3. Ran injection equipment.
4. Placed the well on injection at 5:00 p.m. on March 23, 1989.

BLM-Orig & 3--cc: ^{SUBOGA} ~~W0026-2~~ WRF, FMK, TKS, GBP, Title & Contract (Houston)

18. I hereby certify that the foregoing is true and correct

SIGNED <u>R.P. Meador</u>	TITLE <u>Regulatory Coordinator</u>	DATE <u>March 28, 1989</u>
(This space for Federal or State office use)		
APPROVED BY <u>[Signature]</u>	TITLE <u>Branch of Fluid Minerals Moab District</u>	DATE <u>21</u>
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

Mid-Continent Region
Production United States



P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626

PANAFAX TRANSMITTAL SHEET

SEND THE FOLLOWING PAGES TO:

NAME Frank Matthews

COMPANY NAME UTah DEPT Nat Res.

LOCATION Salt Lake City UTah

PANAFAX NUMBER: 801 359-3940

FROM: 915-687-8324
NAME Tom Price EXT. 8324

TOTAL NUMBER OF PAGES: 2 (including cover)

IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL BACK ASAP

PHONE 915-687-8324

The BLM office in Moab

I this application 4-20-

per a verbal conversation w/ Eric Jones

BLM Engineer. They are Panafaxing
approved copy to me ASAP.

Please notify me ASAP if further
filings hearings etc may be req.

Form 150-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U-31928

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Tin Cup Mesa Unit

8. Well Name and No.
Tin Cup Mesa 4-25

9. API Well No.
43-037-30941

10. Field and Pool, or Exploratory Area
Tin Cup Field

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Marathon Oil Company

3. Address and Telephone No.
P.O. BOX 552 Midland, Tx. 79702 915-687-8324

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1698' FNL & 720' FEL
Sec. 26, T-38-S, R-25-E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
Notice of Intent	<input type="checkbox"/> Abandonment
Completion Report	<input checked="" type="checkbox"/> Recompletion
Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give face locations and measured and true vertical depths for all markers and zones pertinent to this work.)
Marathon Oil Company is proposing to recomplete this water injector and convert it to a gas well. The Explorations 5490'-5562' will be TA'd by setting a CBP @ 5486'. The Upper Ismay Carboniferous is perforated to target the gas cap. An acid stimulation may follow dependent upon results after perforation.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5-2-94
BY: J. Matthews

XC: Midland Well Files, TN SPG, DBW, TMP

14. I hereby certify that the foregoing is true and correct
Signed: Thomas M. Price Thomas M. Price
(This space for Federal or State office use)

Advanced Engineering Tech. Date: 4-14-94

Approved by
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget System No. 1004-0231
Expires: March 31, 1993

5. Lease Designation and Serial No.
U-3192B

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Tin Cup Mesa Unit

8. Well Name and No.
Tin Cup Mesa 4-2B

9. API Well No.
43-037-30941

10. Field and Pool, or Exploratory Area
Tin Cup Field

11. County or Parish, State
San Juan Co., Utah

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Marathon Oil Company

3. Address and Telephone No.
P.O. Box 552 Midland, Tx. 79702 **815-687-8324**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**1698' FNL & 720' FEL
Sec. 25, T-38-S, R-25-E**

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recombination
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plan
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Monitoring
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Disposal Water

(Note: Report results of multiple completions on this form. Check appropriate boxes for each completion.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent data, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)
Marathon Oil Co is proposing to recomplete this water injector and convert it to a gas well. The Existing perforations 5480'-5562' will be TA'd by setting a CBP @ 5488'. The Upper Jamay Carbonate 5469-5483 will be perforated to target the gas cap. An acid stimulation may follow dependent upon test results after perforation.

Post: Tax Note 7671

Date: **4-2-94** # of pages: **2**

From: **Tom Price**

To: **Frac Matthews**

Co./Dept: **Utah Dept Nat Res**

Co: **915-687-8324**

Phone #: **801-538-5340**

Fax #: **801-359-3940**

Permit #: **11**

Company: **Marathon Oil Co**

Fax: **915-687-8337**

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: _____
BY: _____

XC: Midland Well Files, TNT, SPG, DBW, TMP

14. I hereby certify that the foregoing is true and correct

Signed: **Thomas M. Price** Thomas M. Price Title: **Advanced Engineering Tech.** Date: **4-14-94**

(This space for Federal or State office use)

Approved by: **Butt with p** Title: **Associate District Manager** Date: **4/28/94**

Conditions of approval, if any:

APPROVAL AND CONDITIONS: **4/28/94**

15 U.S.C. Section 102, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statement or representation as to any matter within its jurisdiction.

*See instruction on Reverse Side

Recompletion
Marathon Oil Company
Sec. 26, T. 38 S., R. 25 E.,
Tin Cup Mesa 4-26
Lease U-31928

CONDITIONS OF APPROVAL

1. Notify Jeff Brown of the BLM, San Juan Resource Area in Monticello, Utah at (801)587-2141 at least 24 hours before starting the operation.
2. Submit a Recompletion Report (Form 3160-4) within 30 days of finishing the operation.
3. Within five days of establishing production, BLM is to be notified in writing.

Mid-Continent Region
Production United StatesP.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626PANAFAX TRANSMITTAL SHEET

SEND THE FOLLOWING PAGES TO:

NAME Frank MatthewsCOMPANY NAME UTAH DEPT Nat Res.LOCATION Salt Lake City UTAHPANAFAX NUMBER: 801 359-3940

FROM:

NAME Tom Price 915-687-8324
EXT. 8324TOTAL NUMBER OF PAGES: 2 (including cover sheet)IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL BACK ASAPPHONE 915-687-8324COMMENTS The BLM office in Moab

approved this application 4-20-94
as per a verbal conversation w/ Eric Jones
BLM Engineer. They are Panafaxing an
approved copy to me ASAP.

Please notify me ASAP if further
filings hearings etc may be required.

Form 5160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U-31928

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
Tin Cup Mesa Unit

8. Well Name and No.
Tin Cup Mesa 4-26

9. API Well No.
43-037-30941

10. Field and Pool, or Exploratory Area
Tin Cup Field

11. County or Parish, State
San Juan Co., Utah

SUBMIT IN TRIPLICATE

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator

Marathon Oil Company

3. Address and Telephone No.

P.O. Box 552 Midland, Tx. 79702 915-687-8924

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1698' FNL & 720' FEL
Sec. 26, T-38-S, R-25-E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion or Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Marathon Oil Co is proposing to recomplete this water injector and convert it to a gas well. The Existing perforations 5490'-5562' will be TA'd by setting a CBP @ 5486'. The Upper Iamay Carbonate 5469-5483 will be perforated to target the gas cap. An acid stimulation may follow dependent upon test results after perforation.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 5-2-94
BY: *J. Matthews*

XC: Midland Well Files, TNT, SPG, DBW, TMP

14. I hereby certify that the foregoing is true and correct

Signed *Thomas M. Price* Thomas M. Price Title Advanced Engineering Tech. Date 4-14-94

(This space for Federal or State office use)

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

FORM APPROVED
Budget Bureau No. 1504-DE33
Expires: March 31, 1993

5. Lease Designation and Serial No.
U-8192B

6. If Indian, Allottee or Tribal Name

7. If Unit or CA, Agreement Designation
Tin Cup Mesa Unit

8. Well Name and No.
Tin Cup Mesa 4-25

9. API Well No.
43-037-30941

10. Field and Pool, or Exploratory Area
Tin Cup Field

11. County or Parish, State
San Juan Co., Utah

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Marathon Oil Company

3. Address and Telephone No.
P.O. Box 552 Midland, Tx. 79702 **915-687-8324**

4. Location of Well (County, Sec., T., R., M., or Survey Description)
1698' FWL & 720' FEL
Sec. 25, T-38-S, R-25-E

12. CHECK APPROPRIATE BOX(es) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recombination
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Floor
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Pumping
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Disposal Water

(Check appropriate box(es) for multiple completion on this Completion or Resumption Form and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all sections and zones pertinent to this work.)
Marathon Oil Co is proposing to recomplete this water injector and convert it to a gas well. The Existing perforations 5480'-5562' will be TA'd by setting a CBP @ 5486'. The Upper Lemay Carbonate 5489-5483 will be perforated to target the gas cap. An acid stimulation may follow dependent upon test results after perforation.

Post-it™ Fax Note 7671

Date **4-2-94** # of pages **2**

From **Tom Price**

To **Frank Matthews** Co. **915-687-8324**

Co./Dept. **Utah Dept of Nat Res** P.O. **Marathon Oil Co**

Phone # **801-538-5340** Fax # **915-687-8337**

Fax # **801-359-3940**

RECEIVED
DISTRICT OFFICE
APR 18 AM 8:34
BUREAU OF LAND MANAGEMENT
U.S. DEPARTMENT OF THE INTERIOR

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

DATE: _____
BY: _____

XC: Midland Well Files, TNT, SPG, DBW, TMP

14. I hereby certify that the foregoing is true and correct

Signed **Thomas M. Price** Thomas M. Price Title **Advanced Engineering Tech.** Date **4-14-94**

Approved by **[Signature]** Title **Associate District Manager** Date **4/28/94**

CONDITIONS OF APPROVAL, ATTACHED

Title 18 U.S.C. Section 1021, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Recompletion
Marathon Oil Company
Sec. 26, T. 38 S., R. 25 E.,
Tin Cup Mesa 4-26
Lease U-31928

CONDITIONS OF APPROVAL

1. Notify Jeff Brown of the BLM, San Juan Resource Area in Monticello, Utah at (801)587-2141 at least 24 hours before starting the operation.
2. Submit a Recompletion Report (Form 3160-4) within 30 days of finishing the operation.
3. Within five days of establishing production, BLM is to be notified in writing.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.
U-31928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL GAS WELL OTHER Converted to Injection

2. NAME OF OPERATOR
Marathon Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 2690, Cody, Wyoming 82414

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface
1698' FNL & 720' FEL

7. UNIT AGREEMENT NAME
Tin Cup Mesa

8. FARM OR LEASE NAME
Tin Cup Mesa

9. WELL NO.
4-26

10. FIELD AND POOL, OR WILDCAT
Tin Cup Mesa

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 26, T38S, R25E

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

14. PERMIT NO.
43-037-30941

15. ELEVATIONS (Show whether DF, RT, CR, etc.)
5125' KB

RECEIVED
APR 28 1989
DIVISION OF OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Converted to Injection</u> <input checked="" type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Marathon Oil Company has completed the following work:

1. Pulled production equipment.
2. Pressure tested the casing.
3. Ran injection equipment.
4. Placed the well on injection at 5:00 p.m. on March 23, 1989.

18. I hereby certify that the foregoing is true and correct

SIGNED RP Mealon TITLE Regulatory Coordinator DATE March 28, 1989

(This space for Federal or State office use)

APPROVED BY [Signature] TITLE Branch of Fluid Minerals Moab District DATE 21

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

May 5, 1994

Marathon Oil Company
P.O. Box 552
Midland, Texas 80264

Re: Pressure Test for Mechanical Integrity, Tin Cup Mesa 4-26, Injection Well, Sec. 26,
T. 38 S., R. 25 E., San Juan County, Utah

Gentlemen:

The Underground Injection Control Program which the Division of Oil, Gas and Mining (DOGMM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five year period beginning October, 1982. Our records indicate the above referenced well is due for testing. Please make arrangements and ready the well for testing during the week of May 23, 1994 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), as well as personnel to assist in opening valves etc.
2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.
3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.

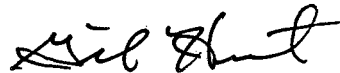


Page 2
Pressure Test
May 5, 1994

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.
5. All bradenhead valves with exception of the tubing on the injection wells must be shut in 24 hours prior to testing.

Please contact Dan Jarvis at (801)538-5340 to arrange a meeting time and place or negotiate a different date if this one is unacceptable.

Sincerely,



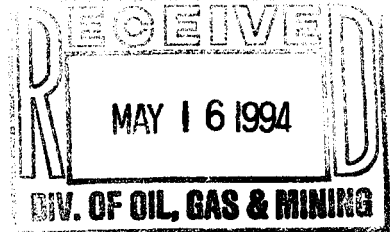
Gil Hunt
UIC Program Manager

ldc
Attachment
WOI52



P.O. Box 2409
Hobbs, NM 88241-2409
Telephone 505/393-7106

May 11, 1994



State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Mr. Gil Hunt
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: MIT FOR TIN CUP MESA 4-26
INJECTION WELL
SECTION 26, T-38-S, R-25-E
SAN JUAN COUNTY, UTAH

Dear Mr. Hunt:

This letter is to confirm a verbal agreement with Dan Jarvis to postpone the required mechanical integrity test for the Tin Cup Mesa 4-26 injection well. The well is currently being backflowed in preparation for a proposed recompletion as a producer. Notice of this recompletion was sent to the DOGM previously. If for any reason this recompletion is not performed, we will notify the DOGM accordingly.

Sincerely,

A handwritten signature in cursive script that reads 'S.P. Guidry'.

S.P. Guidry
Northwest Operations
Production Superintendent

SPG/9482/kc

xc: R.J. Prosceno
E.A. Nelson
T. Henderson

COPY

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

JAN 7 1996

IN REPLY REFER TO:
UT-922

January 12, 1996

Cochrane Resources, Inc.
P.O. Box 1656
Roosevelt, Utah 84066

RE: Tin Cup Mesa Unit
San Juan County, Utah

Gentlemen:

On January 11, 1996, we received an indenture dated January 9, 1996, whereby Marathon Oil Company resigned as Unit Operator and Cochrane Resources, Inc. was designated as Successor Unit Operator for the Tin Cup Mesa Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective January 12, 1996. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Tin Cup Mesa Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0699 will be used to cover all operations within the Tin Cup Mesa Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: District Manager - Moab (w/enclosure)
~~Division of Oil, Gas & Mining~~
Division of Mineral Adjudication U-923
File - Tin Cup Mesa Unit (w/enclosure)
MMS - Data Management Division ((Attn: Rose Dablo)
Agr. Sec. Chron
Fluid Chron

U-922:TAThompson:tt:01-12-96

JAN 23 1996

RESIGNATION OF OPERATOR

Tin Cup Mesa Unit Area

County of San Juan

State of Utah

Unit Agreement No. 14-08-0001-20391

Under and pursuant to the provisions of Section 5 of the Unit Agreement for the Development and Operation of the Tin Cup Mesa Unit Area, San Juan County, Utah, Marathon Oil Company, the designated Unit Operator under said Unit Agreement, does hereby resign as Unit Operator, effective upon the selection and approval of a successor Unit Operator.

EXECUTED with effect as aforesaid this 29th day of November, 1995.

ATTEST:

MARATHON OIL COMPANY





By: A.R. Kukla
Title: Attorney-In-Fact



12-19-95

Authorized Officer
Bureau of Land Management

Re: Tin Cup Mesa Unit
San Juan County, Utah

Gentlemen:

Enclosed for your consideration and approval, are four (4) copies of Resignation
of Unit Operator ~~and Designation of Successor Operator~~ for the Tin Cup Mesa Unit
Area.

Cochrane Resources, as the designated successor operator under the Tin Cup Mesa Unit
Agreement, hereby certifies that the requisite approvals of the current working interest
owners in the agreement have been obtained to satisfy the requirements for selection
of a successor operator as set forth under the terms and provisions of the agreement.
All operations within the Tin Cup Mesa Unit Agreement will be covered by bond no.
UT0699.

Sincerely,

Ken Allen

Ken Allen
Cochrane Resources, Inc.
President

Enclosures

Mid-Continent Region
Production United States



P.O. Box 552
Midland, Texas 79702
Telephone 915/682-1626

PANAFAX TRANSMITTAL SHEET

SEND THE FOLLOWING PAGES TO:

NAME LISA Cordova

COMPANY NAME Utah Div of Oil & Gas

LOCATION _____

PANAFAX NUMBER: (801) 359-3940

FROM:

NAME David Coosins EXT. 8340

TOTAL NUMBER OF PAGES: 2 (including cover sheet)

IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE CALL BACK ASAP

PHONE _____

COMMENTS _____

FEB-21-96 WED 02:37 PM

STATE OF UTAH OIL GAS

FAX NO. 538 5340

P. 03/06

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT - UIC FORM 5

Well name and number: _____	
Field or Unit name: <u>Tin Cup Mesa Unit</u>	API no. _____
Well location: QQ _____ section _____ township <u>28E</u> range <u>25E</u> county <u>San Juan</u>	
Effective Date of Transfer: <u>12-1-95</u>	
CURRENT OPERATOR	
Transfer approved by:	
Name <u>DAVID S. GOOBINS III</u>	Company <u>MARATHON OIL COMPANY</u>
Signature <u>[Signature]</u>	Address <u>PO Box 552</u>
Title <u>SENIOR PRODUCTION ENGINEER</u>	<u>MIDLAND, TX 79702</u>
Date <u>2/22/96</u>	Phone <u>(915) 687-8340</u>
Comments:	
NEW OPERATOR	
Transfer approved by:	
Name <u>Ken Allan</u>	Company <u>Cochrane Resources Inc.</u>
Signature <u>[Signature]</u>	Address <u>P.O. Box 1856</u>
Title <u>President</u>	<u>Roosvale Utah 84061</u>
Date <u>2-21-96</u>	Phone <u>(801) 722-5081</u>
Comments:	
(State use only)	
Transfer approved by <u>[Signature]</u>	Title <u>Executive Manager</u>
Approval Date <u>4-4-96</u>	

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

Routing:

1-LEC	7-FILE	✓
2-DP	8-FILE	✓
3-VLD		✓
4-RJF		✓
5-LRC		✓
6-SJ		✓

Attach all documentation received by the division regarding this change.
 Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold) Designation of Agent
 Designation of Operator Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 12-01-95)

TO (new operator)	<u>COCHRANE RESOURCES INC</u>	FROM (former operator)	<u>MARATHON OIL COMPANY</u>
(address)	<u>PO BOX 1656</u>	(address)	<u>PO BOX 552</u>
	<u>ROOSEVELT UT 84066</u>		<u>MIDLAND TX 79702</u>
phone	<u>(801) 722-5081</u>	phone	<u>(915) 687-8155</u>
account no.	<u>N 7015</u>	account no.	<u>N 3490</u>

***TIN CUP MESA UNIT**

Well(s) (attach additional page if needed):

Name: **SEE ATTACHED**	API: <u>037-30941</u>	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Reg. 1-19-96) (Rec'd 1-23-96)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Reg. 1-22-96) (Rec'd 1-23-96)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) ____ If yes, show company file number: _____.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-8-96 O&G Wells) (Inj. Wells 4-3-96)*
- Sec 6. Cardex file has been updated for each well listed above. *(2-8-96 O&G Wells) (Inj. Wells 4-3-96)*
- Sec 7. Well file labels have been updated for each well listed above. *(2-8-96 O&G Wells) (Inj. Wells 4-3-96)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-8-96 O&G Wells) (Inj. Wells 4-3-96)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

ENTITY REVIEW

- Sec* 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A* 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

BOND VERIFICATION (Fee wells only)

- N/A* 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date _____ 19____. If yes, division response was made by letter dated _____ 19____.

LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A* 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated _____ 19____, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
- DCS*
4/8/96
- N/A* 2. Copies of documents have been sent to State Lands for changes involving State leases.

FILMING

- DR* 1. All attachments to this form have been microfilmed. Date: April 17 1996.

FILING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

COMMENTS

960119 Blm/SL App. eff. 1-12-96.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT**

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

Total approved
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

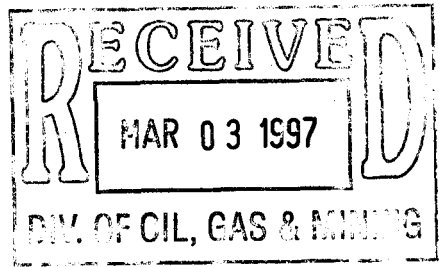
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-31928																								
2. NAME OF OPERATOR Cochrane Resources, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																								
3. ADDRESS OF OPERATOR PO BOX 1656 Roosevelt, Utah 84066		7. UNIT AGREEMENT NAME Tin Cup Mesa																								
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1698' FNL & 720' FEL		8. FARM OR LEASE NAME Tin Cup Mesa																								
14. PERMIT NO. 43-037-30941	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5125 KB	9. WELL NO. 4-26																								
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data		10. FIELD AND POOL, OR WILDCAT Tin Cup Mesa																								
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2">NOTICE OF INTENTION TO:</th> <th colspan="2">SUBSEQUENT REPORT OF:</th> </tr> <tr> <td>TEST WATER SHUT-OFF <input type="checkbox"/></td> <td>PULL OR ALTER CASING <input type="checkbox"/></td> <td>WATER SHUT-OFF <input type="checkbox"/></td> <td>REPAIRING WELL <input type="checkbox"/></td> </tr> <tr> <td>FRACTURE TREAT <input type="checkbox"/></td> <td>MULTIPLE COMPLETE <input type="checkbox"/></td> <td>FRACTURE TREATMENT <input type="checkbox"/></td> <td>ALTERING CASING <input type="checkbox"/></td> </tr> <tr> <td>SHOOT OR ACIDIZE <input type="checkbox"/></td> <td>ABANDON* <input type="checkbox"/></td> <td>SHOOTING OR ACIDIZING <input type="checkbox"/></td> <td>ABANDONMENT* <input type="checkbox"/></td> </tr> <tr> <td>REPAIR WELL <input type="checkbox"/></td> <td>CHANGE PLANS <input type="checkbox"/></td> <td>(Other) <input checked="" type="checkbox"/> Converted to Production</td> <td></td> </tr> <tr> <td>(Other) <input type="checkbox"/></td> <td></td> <td colspan="2" style="text-align:center;">(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</td> </tr> </table>		NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:		TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>	FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>	SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>	REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/> Converted to Production		(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 26, T38S, R25E
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:																								
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>																							
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>																							
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>																							
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input checked="" type="checkbox"/> Converted to Production																								
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)																								
		12. COUNTY OR PARISH 13. STATE San Juan Utah																								

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Cochrane Resources, Inc has completed the following work:

1. Pulled Injection Packer.
2. Set CIBP at 5550', 5516', & 5485'.
3. Oerfirate 5470' to 5478' with 4 SPF.
4. Acidize with 500 gals 15% Hcl.
5. Put well on pump as Ismay oil producer.



18. I hereby certify that the foregoing is true and correct

SIGNED *W. M. Miller* TITLE President DATE February 26, 1997

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

*See Instructions on Reverse Side

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X - Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

4/1/2008

FROM: (Old Operator): N7015-Cochrane Resources, Inc PO Box 1656 Roosevelt, UT 84066 Phone: 1 (435-722-5081)	TO: (New Operator): N8195-Mar/Reg Oil Company PO Box 18148 Reno, NV 89511 Phone: 1 (775) 852-7444
--	---

CA No.		Unit:		TIN CUP MESA				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LIST								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/4/2008
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/3/2008
3. The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/23/2008
- 4a. Is the new operator registered in the State of Utah: Business Number: 1267088-0143
- 4b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on:
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 5/28/2008 BIA
7. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 5/28/2008
8. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 7/2/2008

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 7/1/2008
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 7/1/2008
3. Bond information entered in RBDMS on: n/a
4. Fee/State wells attached to bond in RBDMS on: n/a
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UTB000019
2. Indian well(s) covered by Bond Number: n/a
- 3a. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

SEE ATTACHED

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SEE ATTACHED

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

SEE ATTACHED

2. NAME OF OPERATOR:
COCHRANE RESOURCES, INC. *N7015*

9. API NUMBER:

3. ADDRESS OF OPERATOR:
PO BOX 1656 CITY ROOSEVELT STATE UT ZIP ~~84606~~

PHONE NUMBER:
(435) 722-5081

10. FIELD AND POOL, OR WILDCAT:
TIN CUP MESA

4. LOCATION OF WELL
FOOTAGES AT SURFACE: SEE ATTACHED; EXHIBIT "A" *84066*

COUNTY: SAN JUAN

STATE: UTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>CHANGE OF OPERATOR</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The successor Operator for this well will be:
Mar/Reg Oil Company *N8195*
PO Box 18148
Reno, NV 89511
(775) 852-7444

Agreed and accepted this *2nd* day of June 2008
effective April 1, 2008

Mar/Reg Oil Company
By: *Rhonda Ahmad*
Rhonda Ahmad
President
Mar/Reg State Wide Bond # is UTB000019

NAME (PLEASE PRINT) KEN ALLEN TITLE PRESIDENT
SIGNATURE _____ DATE _____

(This space for State use only)

APPROVED 7/1/2008

Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED

JUN 03 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: SEE ATTACHED
2. NAME OF OPERATOR: COCHRANE RESOURCES, INC. <i>N7015</i>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO BOX 1656 CITY ROOSEVELT STATE UT ZIP <i>84606</i>		7. UNIT or CA AGREEMENT NAME: SEE ATTACHED
4. LOCATION OF WELL FOOTAGES AT SURFACE: SEE ATTACHED; EXHIBIT "A" COUNTY: SAN JUAN		8. WELL NAME and NUMBER: SEE ATTACHED
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		9. API NUMBER:
PHONE NUMBER: (435) 722-5081		10. FIELD AND POOL, OR WILDCAT: TIN CUP MESA

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: CHANGE OF OPERATOR
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The successor Operator for this well will be:
Mar/Reg Oil Company
PO Box 18148
Reno, NV 89511
(775) 852-7444

Agreed and accepted this 3rd day of June 2008

Mar/Reg Oil Company

By: _____
Rhonda Ahmad
President
Mar/Reg State Wide Bond # is UTB000019

NAME (PLEASE PRINT) KEN ALLEN TITLE PRESIDENT
SIGNATURE *[Signature]* DATE 6-3-2008

(This space for State use only)

APPROVED 7/1/2008
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(See Instructions on Reverse Side)

RECEIVED
JUN 04 2008

DIV. OF OIL, GAS & MINING

Exhibit A Well List

Tin Cup Mesa Unit Field

<u>API#</u>	<u>Lease Type</u>	<u>Well Name</u>	<u>Well Type</u>	<u>County</u>	<u>Location</u>	<u>Utah Entity #</u>
43-037-30690	Federal	TIN CUP MESA 1-25	Water Injection Well	SAN JUAN	25 SWNW T38S R25E	2765
43-037-30762	Federal	TIN CUP MESA 3-26	Oil Well	SAN JUAN	26 NWNE T38S R25E	2765
43-037-30808	Federal	TIN CUP MESA 2-23	Oil Well	SAN JUAN	23 SESW T38S R25E	2765
43-037-30815	Federal	TIN CUP MESA 3-23	Oil Well	SAN JUAN	23 SWSW T38S R25E	2765
43-037-30941	Federal	TIN CUP MESA 4-26	Oil Well	SAN JUAN	26 SENE T38S R25E	2765
43-037-30983	Federal	TIN CUP MESA 2-25	Oil Well	SAN JUAN	25 NWSW T38S R25E	2765
43-037-31020	Federal	TIN CUP MESA 3-25	Oil Well	SAN JUAN	25 SESW T38S R25E	2765
43-037-31145	Federal	TIN CUP MESA 4-25	Oil Well	SAN JUAN	25 SESW T38S R25E	2765
43-037-31368	Federal	TIN CUP MESA 5-26	Oil Well	SAN JUAN	26 SWNE T38S R25E	2765
43-037-31540	Federal	TIN CUP MESA 6-26	Oil Well	SAN JUAN	26 NESE T38S R25E	2765
43-037-31761	Federal	WDW 1	Water Disposal Well	SAN JUAN	25 SWNW T38S R25E	



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO
3180
UT-922

May 28, 2008

Mar/Reg Oil Company
P. O. Box 18148
Reno, Nevada 89511

Re: Tin Cup Mesa Unit
San Juan County, Utah

Dear Ms. Ahmad:

On May 23, 2008, we received an indenture dated May 7, 2008, whereby Cochrane Resources, Inc. resigned as Unit Operator and Mar/Reg Oil Company was designated as Successor Unit Operator for the Tin Cup Mesa Unit, San Juan County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective May 28, 2008. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Tin Cup Mesa Unit Agreement.

Your statewide oil and gas bond no. UTB000019 will be used to cover all operations within the Tin Cup Mesa Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate agencies, with one copy returned herewith.

Sincerely,

/s/ Becky J. Hammond

Becky J. Hammond
Chief, Branch of Fluid Minerals

Enclosure

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-031928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:
14-08-0001-20391

8. WELL NAME and NUMBER:
FEDERAL 4-26

9. FIELD AND POOL, OR WILDCAT:
TIN CUP MESA

10. QTR/CTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SENE 26 38S 25E

11. COUNTY: SAN JUAN 12. STATE: UTAH

13. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE:
26 miles from Blanding, Utah

14. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET):
1250 to Unit Boundry

15. NUMBER OF ACRES IN LEASE:
1,080

16. NUMBER OF ACRES ASSIGNED TO THIS WELL:

17. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET):
660 FEET

18. PROPOSED DEPTH:
5,506

19. BOND DESCRIPTION:
UTB000019

20. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):
5107 GL

21. APPROXIMATE DATE WORK WILL START:
9/1/2008

22. ESTIMATED DURATION:
10 DAYS

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12-1/4"	9-5/8" 40#	1,500	610 SX
8-3/4"	7" 26#	5,814	1125 SX

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 09-29-08
By: [Signature]

24. ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER

EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER

COMPLETE DRILLING PLAN

FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

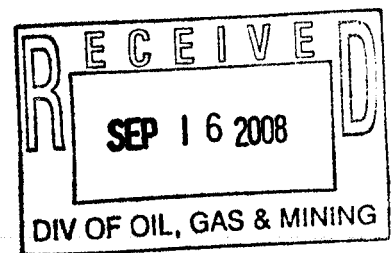
NAME (PLEASE PRINT) TARIQ AHMAD TITLE Petroleum Engineer

SIGNATURE [Signature] DATE 7/8/2008

(This space for State use only)

API NUMBER ASSIGNED: 43-03730941

APPROVAL:

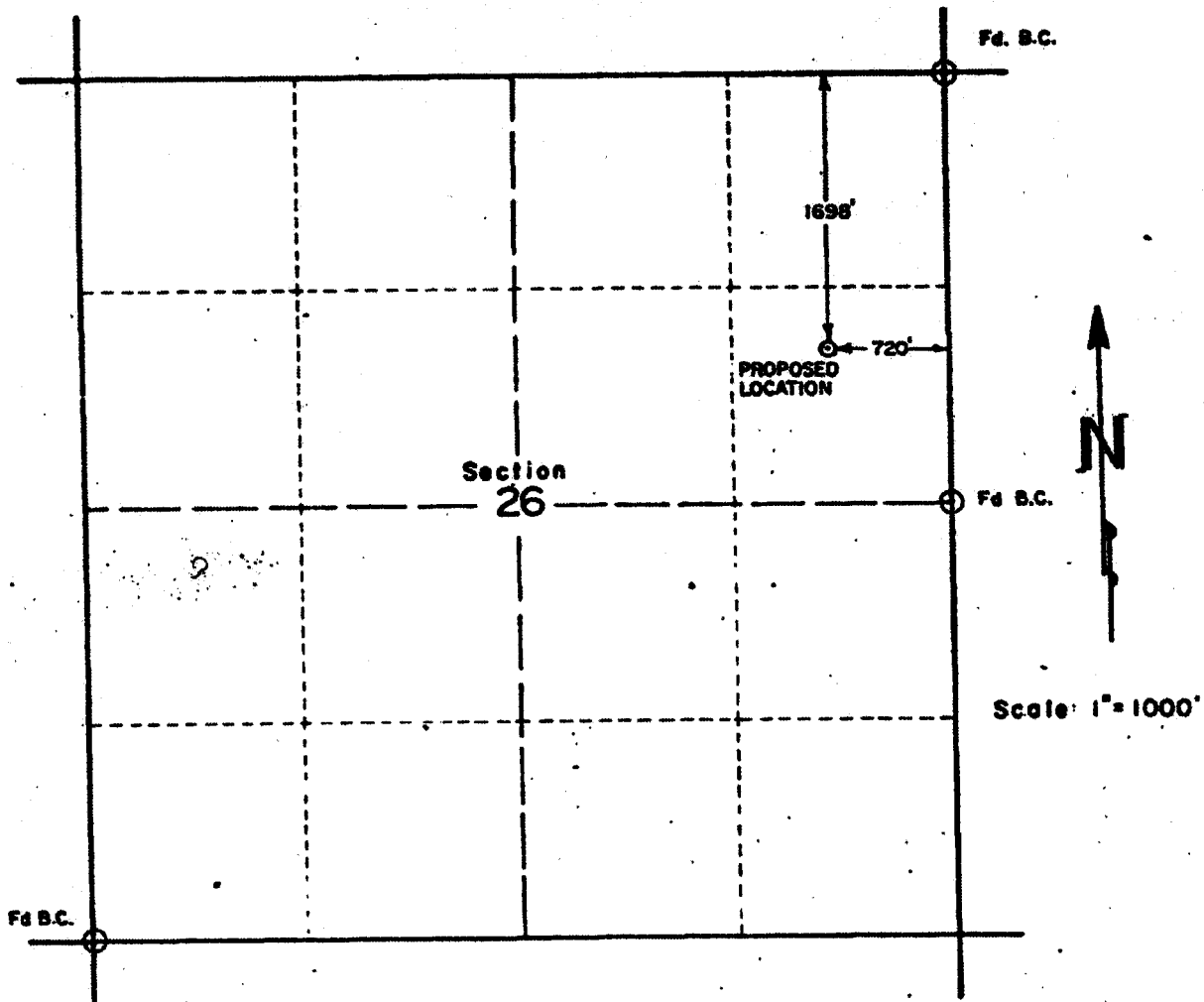


#1 #2

664471X
41476251 37.462724
- 109.140317

665478X
41463977
37.451479
- 109.129214

Federal Approval of this
Action is Necessary



WELL LOCATION: MARATHON OIL CO. Tin Cup Mesa no.4-26

Located 1698 feet South of the North line and 720 feet West of the East line of Section 26
 Township 38 South Range 25 East, Salt Lake Base S Meridian
 San Juan County, Utah
 Existing ground elevation determined at 5107 feet based on adjoining locations
 B.M. Set - 300'E 5113.91'
 B.M. Set - 300'W 5109.53'

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief

Frederick H. Reed

FREDERICK H. REED
 Registered Land Surveyor

MARATHON OIL CO. Casper, Wyo.	
WELL LOCATION PLAT Tin Cup Mesa no.4-26 SEC 26, T38S, R25E San Juan Co., Utah	
CLARK - NEED & ASSOC Durango, Colorado	DATE: SEPT. 22, 1983 FILE NO: 83049

Federal 4-26
SENE Section 26 38S 25E
San Juan County, Utah

Producing Zone: Upper Ismay

Water permit: No water permit is required, since production water from the field will be used for drilling operations.

TIN CUP MESA UNIT

FEDERAL 4-26

All pits will be built in accordance with the original APD on file for this well. No new surface disturbances will be made. All pits will be lined.

Federal 4-26 – Lateral #1 and #2 Procedure

BOP: 2M

Lateral #1

1. MIRU
2. Set CIBP at 5500 feet
3. Dump-bail 35 feet of cement on top of lower CIBP
4. Set whipstock and cut a window in the 7inch casing at KOP 5206;
5. Build angle at ~14/100 ft to 90 degrees, ~318.53 degrees azimuth
6. Once landed in zone, 5506 KB, drill ~2,402 ft laterally, TD at 8137 TMD
7. No casing will be run, therefore no cement,
8. The mud system will be aerated fluid with soap. Mud weights will be 8.1 to 8.5 ppg (as hole conditions warrant.)

Lateral #2

1. Set whipstock at 2nd KOP and cut a window in the 7 inch casing at 5176 TMD;
2. Build angle at ~19.1/100 feet to 90 degrees, 145.56 degrees azimuth;
3. Once landed in zone, 5506 KB, drill ~2,123 feet laterally, TD at 7800 TMD;
4. No casing will be run, therefore, no cement;
5. The mud system will be aerated fluid with soap. Mud weights will be 8.1 to 8.5 ppg (as hole conditions warrant.)

Completion Procedures

1. The lateral will be left as open hole, however 2 7/8" slotted liner with 4 1/2" centralizers will be place in the laterals for hole stability; The liners will be cut 1 foot into the lateral
2. All plugs used for depth control will be removed from wellbore prior to turning to production.
3. The first CIBP will be left in place to be used for future lateral legs in other directions.

Width of both laterals: The drill bit and hole size will be 6 1/4"

A workover pit will be dug out on location

All production from well will be pumped into two 400 bbl tanks on location.

pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and will be made available to a BLM representative upon request.

All required BOP tests and/or drills will be recorded in the IADC report.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2 regarding air or gas shall be adhered to. If a mist system is being utilized, the requirement for a deduster shall be waived.

Drilling fluids handling program – will there be a steel mud tank on location? - yes

DRILLING FLUIDS PROGRAM FOR HORIZONTAL WELL

TYPE AND CHARACTERISTICS OF THE CIRCULATION MUDS

<u>Interval</u>	<u>Type</u>	<u>Mud Weight</u>
0' - TD	Water/LSND (as hole conditions warrant).	8.7 to 10 ppg

Chromate Additives: No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Monitoring of the mud system will be by Pit Volume Totalizer (PVT) equipment. The PVT equipment will measure the volume of mud in the surface pits to allow measurement of any fluid entry into the wellbore. A Flow Sensor is installed on the flow line to measure any change in fluid flow down the flow line. The sensor will also help determine a fluid entry in the wellbore.

Will a workover pit be dug out on location? – yes



Weatherford[®]

Drilling Services

Proposal

MAR/REG Oil Company
Tin Cup Mesa 4-26 Lat 1-2
San Juan County, Utah
WELL FILE: PLAN 4
September 2, 2008

Weatherford International Ltd.
2000 Oil Drive
Casper, Wyoming 82604
+1.307.265.1413 Main
+1.307.235.3958 Fax
www.weatherford.com

MAR/REG OIL COMPANY

TIN CUP MESA 4-26 LAT 1 NW
 1698' FNL, 720' FEL
 SECTION 26-T38S-T25E
 SAN JUAN COUNTY, UTAH



Weatherford®

SITE DETAILS

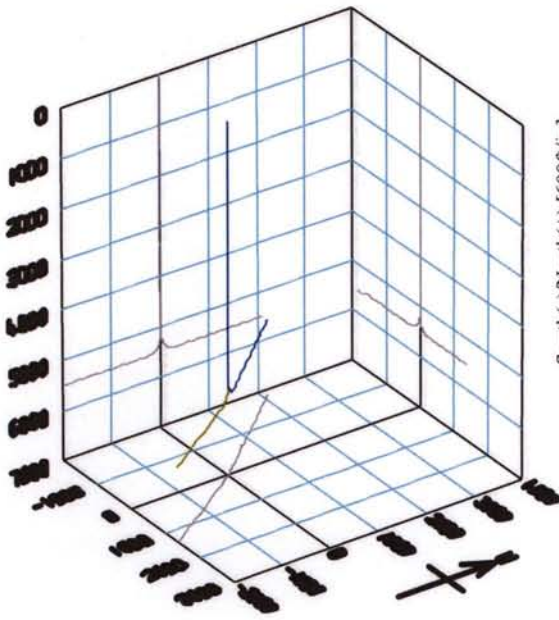
TIN CUP MESA 4-26
 SEC.26-T38S-R25E
 SAN JUAN CO., UT
 Ground Level: 5107.00
 Positional Uncertainty: 0.00
 Convergence: 0.00

SECTION DETAILS

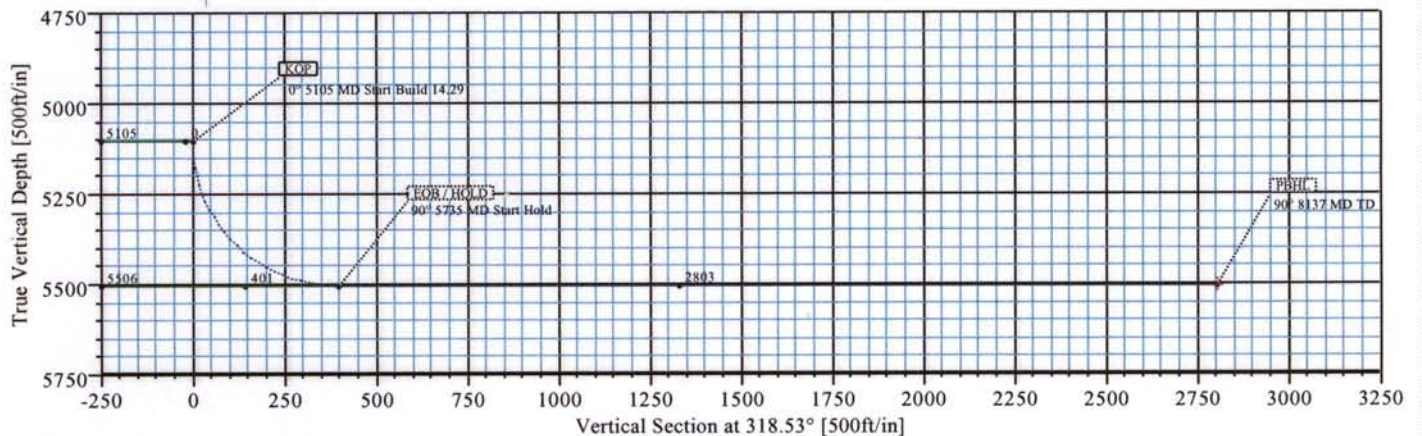
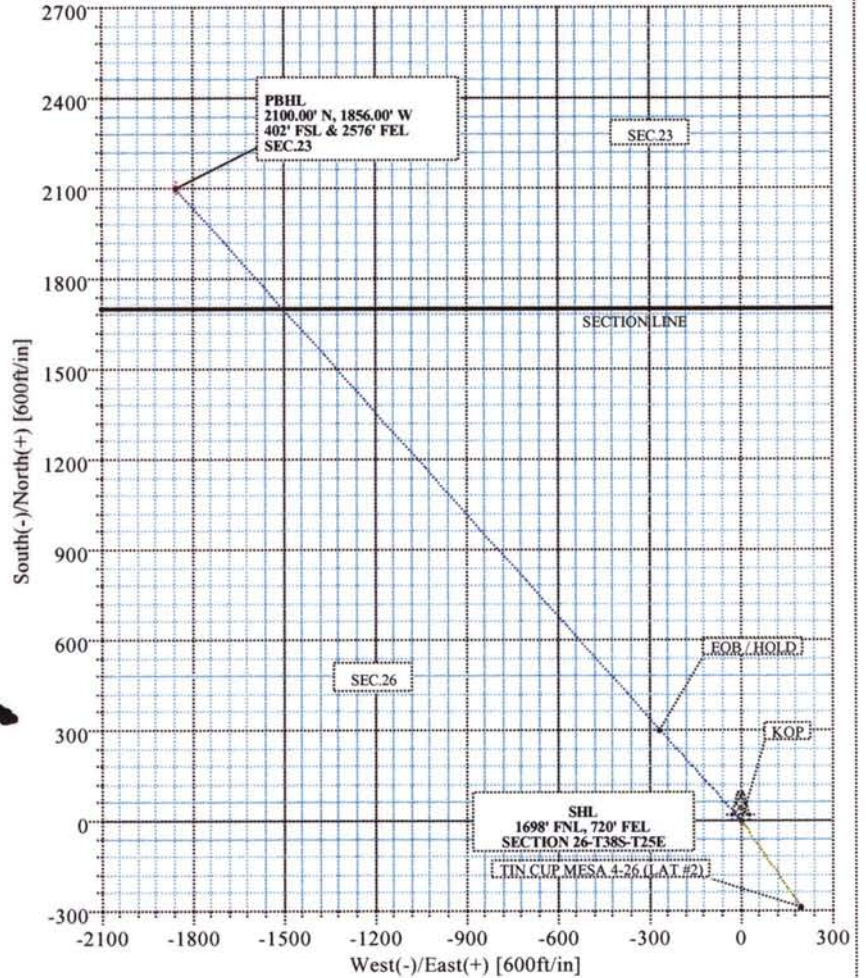
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	5105.05	0.00	0.00	5105.05	0.00	0.00	0.00	0.00	0.00	
3	5734.86	90.00	318.53	5506.00	300.43	-265.52	14.29	0.00	400.95	LAT #1 PBHL
4	8136.54	90.00	318.53	5506.00	2100.00	-1856.00	0.00	0.00	2802.63	LAT #1 PBHL

LEGEND

- TIN CUP MESA 4-26 (LAT #2)
- LAT #1
- Plan #4



KB ELEVATION: 5122'
 GR ELEVATION: 5107'



Plan: Plan #4 (TIN CUP MESA 4-26/LAT #1)

Created By: Bret Wolford

Date: 9/2/2008

Weatherford International Ltd.

WELL PLAN REPORT



Company: MAR/REG OIL COMPANY	Date: 9/2/2008	Time: 15:35:10	Page: 1
Field: SAN JUAN CO., UT	Co-ordinate(NE) Reference: Well: TIN CUP MESA 4-26, True North		
Site: TIN CUP MESA 4-26	Vertical (TVD) Reference: SITE1 5122.0		
Well: TIN CUP MESA 4-26	Section (VS) Reference: Well (0.00N,0.00E,318.53Azi)		
Wellpath: LAT #1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #4	Date Composed: 6/17/2008	
	Version: 1	
Principal: Yes	Tied-to: User Defined	

Field: SAN JUAN CO., UT

Map System: US State Plane Coordinate System 1927	Map Zone: Utah, Southern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2007

Site: TIN CUP MESA 4-26
SEC.26-T38S-R25E
SAN JUAN CO., UT

Site Position:	Northing:	ft	Latitude:	
From: Local Only	Easting:	ft	Longitude:	
Position Uncertainty: 0.00 ft			North Reference: True	deg
Ground Level: 5107.00 ft			Grid Convergence:	deg

Well: TIN CUP MESA 4-26

Well Position:	Northing:	ft	Latitude:	
+N/-S 0.00 ft	Easting:	ft	Longitude:	
+E/-W 0.00 ft				
Position Uncertainty: 0.00 ft				

Wellpath: LAT #1

Current Datum: SITE1	Height 5122.00 ft	Drilled From: Surface	
Magnetic Data: 6/17/2008		Tie-on Depth: 0.00 ft	
Field Strength: 31638 nT		Above System Datum: Mean Sea Level	
Vertical Section: Depth From (TVD)	+N/-S	Declination: -6.35 deg	
ft	ft	Mag Dip Angle: -29.02 deg	
		+E/-W	Direction
		ft	deg
0.00	0.00	0.00	318.53

Plan Section Information

MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
5105.05	0.00	0.00	5105.05	0.00	0.00	0.00	0.00	0.00	0.00	
5734.86	90.00	318.53	5506.00	300.43	-265.52	14.29	14.29	0.00	0.00	LAT #1 PBHL
8136.54	90.00	318.53	5506.00	2100.00	-1856.00	0.00	0.00	0.00	0.00	LAT #1 PBHL

Survey

MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	Build	Turn	Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	
5000.00	0.00	0.00	5000.00	0.00	0.00	0.00	0.00	0.00	0.00	
5100.00	0.00	0.00	5100.00	0.00	0.00	0.00	0.00	0.00	0.00	
5105.05	0.00	0.00	5105.05	0.00	0.00	0.00	0.00	0.00	0.00	KOP
5200.00	13.57	318.53	5199.12	8.38	-7.41	11.19	14.29	14.29	0.00	
5300.00	27.86	318.53	5292.41	34.82	-30.77	46.47	14.29	14.29	0.00	
5400.00	42.15	318.53	5374.11	77.69	-68.66	103.68	14.29	14.29	0.00	
5500.00	56.44	318.53	5439.16	134.34	-118.73	179.29	14.29	14.29	0.00	
5600.00	70.73	318.53	5483.53	201.27	-177.89	268.62	14.29	14.29	0.00	
5700.00	85.02	318.53	5504.49	274.34	-242.47	366.13	14.29	14.29	0.00	
5734.86	90.00	318.53	5506.00	300.43	-265.52	400.95	14.29	14.29	0.00	LAT #1 PBHL
5800.00	90.00	318.53	5506.00	349.24	-308.66	466.09	0.00	0.00	0.00	
5900.00	90.00	318.53	5506.00	424.17	-374.88	566.09	0.00	0.00	0.00	
6000.00	90.00	318.53	5506.00	499.10	-441.11	666.09	0.00	0.00	0.00	
6100.00	90.00	318.53	5506.00	574.03	-507.33	766.09	0.00	0.00	0.00	
6200.00	90.00	318.53	5506.00	648.96	-573.55	866.09	0.00	0.00	0.00	
6300.00	90.00	318.53	5506.00	723.89	-639.78	966.09	0.00	0.00	0.00	
6400.00	90.00	318.53	5506.00	798.82	-706.00	1066.09	0.00	0.00	0.00	

Weatherford International Ltd.

WELL PLAN REPORT



Weatherford

Company: MAR/REG OIL COMPANY
Field: SAN JUAN CO., UT
Site: TIN CUP MESA 4-26
Well: TIN CUP MESA 4-26
Wellpath: LAT #1

Date: 9/2/2008 **Time:** 15:35:10 **Page:** 2
Co-ordinate(NE) Reference: Well: TIN CUP MESA 4-26, True North
Vertical (TVD) Reference: SITE1 5122.0
Section (VS) Reference: Well (0.00N,0.00E,318.53Azi)
Survey Calculation Method: Minimum Curvature **Db:** Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
6500.00	90.00	318.53	5506.00	873.75	-772.23	1166.09	0.00	0.00	0.00	
6600.00	90.00	318.53	5506.00	948.68	-838.45	1266.09	0.00	0.00	0.00	
6700.00	90.00	318.53	5506.00	1023.61	-904.67	1366.09	0.00	0.00	0.00	
6800.00	90.00	318.53	5506.00	1098.53	-970.90	1466.09	0.00	0.00	0.00	
6900.00	90.00	318.53	5506.00	1173.46	-1037.12	1566.09	0.00	0.00	0.00	
7000.00	90.00	318.53	5506.00	1248.39	-1103.34	1666.09	0.00	0.00	0.00	
7100.00	90.00	318.53	5506.00	1323.32	-1169.57	1766.09	0.00	0.00	0.00	
7200.00	90.00	318.53	5506.00	1398.25	-1235.79	1866.09	0.00	0.00	0.00	
7300.00	90.00	318.53	5506.00	1473.18	-1302.01	1966.09	0.00	0.00	0.00	
7400.00	90.00	318.53	5506.00	1548.11	-1368.24	2066.09	0.00	0.00	0.00	
7500.00	90.00	318.53	5506.00	1623.04	-1434.46	2166.09	0.00	0.00	0.00	
7600.00	90.00	318.53	5506.00	1697.97	-1500.68	2266.09	0.00	0.00	0.00	
7700.00	90.00	318.53	5506.00	1772.90	-1566.91	2366.09	0.00	0.00	0.00	
7800.00	90.00	318.53	5506.00	1847.83	-1633.13	2466.09	0.00	0.00	0.00	
7900.00	90.00	318.53	5506.00	1922.76	-1699.35	2566.09	0.00	0.00	0.00	
8000.00	90.00	318.53	5506.00	1997.69	-1765.58	2666.09	0.00	0.00	0.00	
8100.00	90.00	318.53	5506.00	2072.62	-1831.80	2766.09	0.00	0.00	0.00	
8136.54	90.00	318.53	5506.00	2100.00	-1856.00	2802.63	0.00	0.00	0.00	LAT #1 PBHL

Targets

Name	Description Dip. Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →				
							Deg	Min	Sec	Deg	Min	Sec		
LAT #1 PBHL		5506.00	2100.00	-1856.00			36	28	2.179	N	118	17	46.471	W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
5105.05	5105.05	KOP
5734.86	5506.00	EOB / HOLD
8136.54	5506.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction

MAR/REG OIL COMPANY

TIN CUP MESA 4-26 LAT 2 SE
 1698' FNL, 720' FEL
 SECTION 26-T38S-T25E
 SAN JUAN COUNTY, UTAH



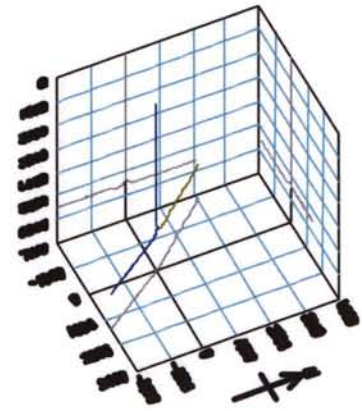
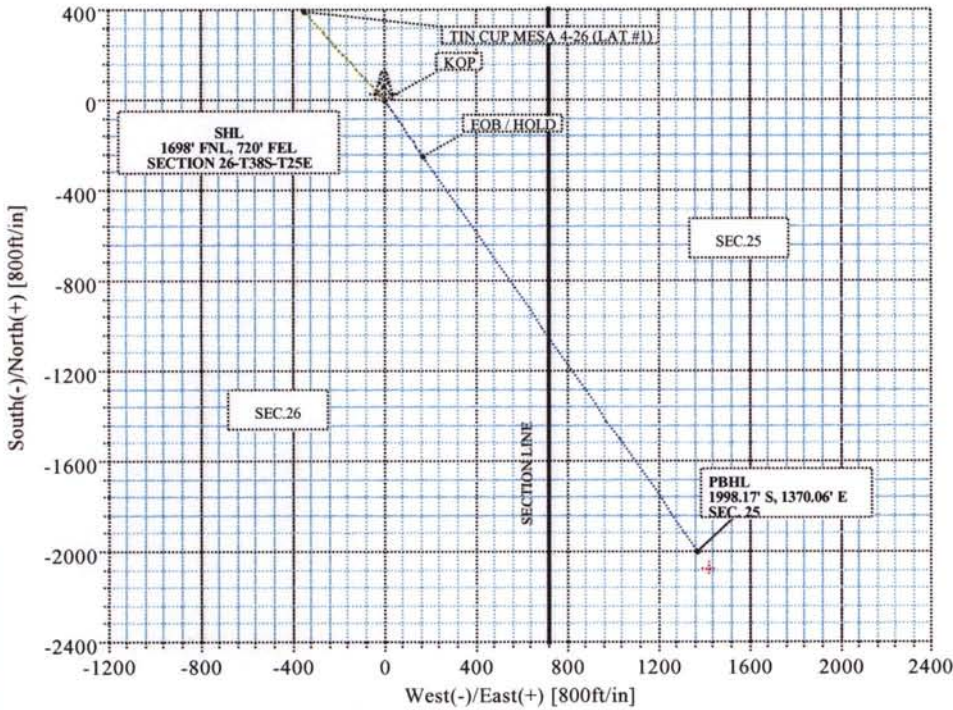
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SITE DETAILS

TIN CUP MESA 4-26
 SEC.26-T38S-R25E
 SAN JUAN CO., UT
 Ground Level: 5107.00
 Positional Uncertainty: 0.00
 Convergence: 0.00

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	5206.02	0.00	0.00	5206.02	0.00	0.00	0.00	0.00	0.00	
2	5677.22	90.00	145.56	5506.00	-247.41	169.64	19.10	0.00	299.98	LAT #2 PBHL
3	7800.00	90.00	145.56	5506.00	-1998.17	1370.06	0.00	0.00	2422.75	

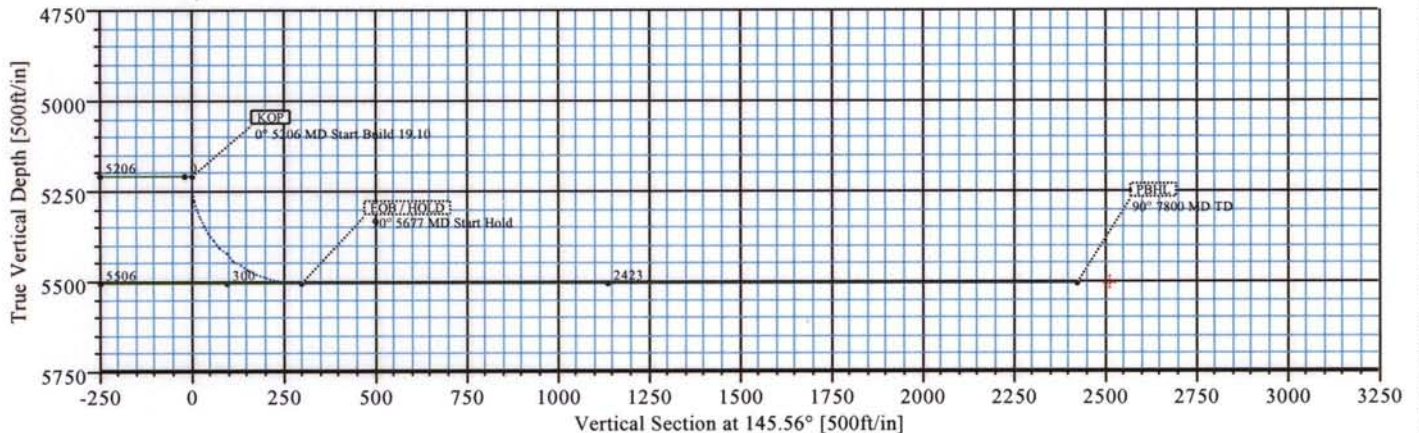


LEGEND

- TIN CUP MESA 4-26 (LAT #1)
- LAT #2
- Plan #4



KB ELEVATION: 5122'
 GR ELEVATION: 5107'



Plan: Plan #4 (TIN CUP MESA 4-26/LAT #2)

Created By: Bret Wolford

Date: 9/2/2008

Weatherford International Ltd.

WELL PLAN REPORT



Company: MAR/REG OIL COMPANY	Date: 9/2/2008	Time: 15:46:42	Page: 1
Field: SAN JUAN CO., UT	Co-ordinate(NE) Reference: Well: TIN CUP MESA 4-26, True North		
Site: TIN CUP MESA 4-26	Vertical (TVD) Reference: SITE1 5122.0		
Well: TIN CUP MESA 4-26	Section (VS) Reference: Well (0.00N,0.00E,145.56Azi)		
Wellpath: LAT #2	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #4	Date Composed: 6/17/2008	
	Version: 1	
Principal: Yes	Tied-to: User Defined	

Field: SAN JUAN CO., UT

Map System: US State Plane Coordinate System 1927	Map Zone: Utah, Southern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Well Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2007

Site: TIN CUP MESA 4-26
SEC.26-T38S-R25E
SAN JUAN CO., UT

Site Position:	Northing:		ft	Latitude:	
From: Local Only	Easting:		ft	Longitude:	
Position Uncertainty: 0.00 ft				North Reference: True	
Ground Level: 5107.00 ft				Grid Convergence:	deg

Well: TIN CUP MESA 4-26

Well Position:	Northing:		ft	Latitude:	
+N/-S 0.00 ft	Easting :		ft	Longitude:	
+E/-W 0.00 ft					
Position Uncertainty: 0.00 ft					

Wellpath: LAT #2

Current Datum: SITE1	Height 5122.00 ft	Drilled From: LAT #1	
Magnetic Data: 6/17/2008		Tie-on Depth: 5206.02 ft	
Field Strength: 31638 nT		Above System Datum: Mean Sea Level	
Vertical Section: Depth From (TVD)		Declination: -6.35 deg	
ft	+N/-S ft	Mag Dip Angle: -29.02 deg	
	ft	+E/-W ft	Direction deg
0.00	0.00	0.00	145.56

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
5206.02	0.00	0.00	5206.02	0.00	0.00	0.00	0.00	0.00	0.00	
5677.22	90.00	145.56	5506.00	-247.41	169.64	19.10	19.10	0.00	0.00	LAT #2 PBHL
7800.00	90.00	145.56	5506.00	-1998.17	1370.06	0.00	0.00	0.00	0.00	

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
5206.02	0.00	0.00	5206.02	0.00	0.00	0.00	0.00	0.00	0.00	KOP
5300.00	17.95	145.56	5298.47	-12.04	8.26	14.60	19.10	19.10	0.00	
5400.00	37.05	145.56	5386.76	-49.95	34.25	60.56	19.10	19.10	0.00	
5500.00	56.15	145.56	5455.15	-109.60	75.15	132.88	19.10	19.10	0.00	
5600.00	75.25	145.56	5496.11	-184.42	126.45	223.60	19.10	19.10	0.00	
5677.22	90.00	145.56	5506.00	-247.41	169.64	299.98	19.10	19.10	0.00	LAT #2 PBHL
5700.00	90.00	145.56	5506.00	-266.19	182.52	322.75	0.00	0.00	0.00	
5800.00	90.00	145.56	5506.00	-348.67	239.07	422.75	0.00	0.00	0.00	
5900.00	90.00	145.56	5506.00	-431.14	295.62	522.75	0.00	0.00	0.00	
6000.00	90.00	145.56	5506.00	-513.62	352.17	622.75	0.00	0.00	0.00	
6100.00	90.00	145.56	5506.00	-596.09	408.72	722.75	0.00	0.00	0.00	
6200.00	90.00	145.56	5506.00	-678.57	465.27	822.75	0.00	0.00	0.00	
6300.00	90.00	145.56	5506.00	-761.04	521.81	922.75	0.00	0.00	0.00	
6400.00	90.00	145.56	5506.00	-843.52	578.36	1022.75	0.00	0.00	0.00	
6500.00	90.00	145.56	5506.00	-925.99	634.91	1122.75	0.00	0.00	0.00	
6600.00	90.00	145.56	5506.00	-1008.47	691.46	1222.75	0.00	0.00	0.00	
6700.00	90.00	145.56	5506.00	-1090.94	748.01	1322.75	0.00	0.00	0.00	
6800.00	90.00	145.56	5506.00	-1173.42	804.56	1422.75	0.00	0.00	0.00	

Weatherford International Ltd.

WELL PLAN REPORT



Company: MAR/REG OIL COMPANY	Date: 9/2/2008	Time: 15:46:42	Page: 2
Field: SAN JUAN CO., UT	Co-ordinate(NE) Reference:	Well: TIN CUP MESA 4-26, True North	
Site: TIN CUP MESA 4-26	Vertical (TVD) Reference:	SITE1 5122.0	
Well: TIN CUP MESA 4-26	Section (VS) Reference:	Well (0.00N,0.00E,145.56Azi)	
Wellpath: LAT #2	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	Comment
6900.00	90.00	145.56	5506.00	-1255.89	861.11	1522.75	0.00	0.00	0.00	
7000.00	90.00	145.56	5506.00	-1338.37	917.66	1622.75	0.00	0.00	0.00	
7100.00	90.00	145.56	5506.00	-1420.84	974.21	1722.75	0.00	0.00	0.00	
7200.00	90.00	145.56	5506.00	-1503.32	1030.76	1822.75	0.00	0.00	0.00	
7300.00	90.00	145.56	5506.00	-1585.79	1087.31	1922.75	0.00	0.00	0.00	
7400.00	90.00	145.56	5506.00	-1668.27	1143.86	2022.75	0.00	0.00	0.00	
7500.00	90.00	145.56	5506.00	-1750.74	1200.41	2122.75	0.00	0.00	0.00	
7600.00	90.00	145.56	5506.00	-1833.22	1256.96	2222.75	0.00	0.00	0.00	
7700.00	90.00	145.56	5506.00	-1915.69	1313.51	2322.75	0.00	0.00	0.00	
7800.00	90.00	145.56	5506.00	-1998.17	1370.06	2422.75	0.00	0.00	0.00	PBHL

Targets

Name	Description		TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	← Latitude →			← Longitude →				
	Dip.	Dir.						Deg	Min	Sec	Deg	Min	Sec		
LAT #2 PBHL			5506.00	-2071.00	1420.00			36	28	1.906	N	118	17	51.108	W

Casing Points

MD	TVD	Diameter	Hole Size	Name

Annotation

MD ft	TVD ft	
5206.02	5206.02	KOP
5677.22	5506.00	EOB / HOLD
7800.00	5506.00	PBHL

Formations

MD	TVD	Formations	Lithology	Dip Angle	Dip Direction



Weatherford®

Weatherford International, Ltd
2000 Oil Field Drive
Casper, Wyoming 82604 USA
+1.307.268-7900 Main
+1.307.235.3958 Fax
www.weatherford.com

Contact Information

District Manager: Pat Rasmussen
+1.307.268-7900 Casper, Wyoming
Email: pat.rasmussen@weatherford.com

Directional Drilling Coordinator: Larren Holdren
+1.307.268-7900 Casper, Wyoming
Email: larren.holdren@weatherford.com

MWD Coordinators:
+1.307.268-7900 Casper, Wyoming
Adam Rinker
Email: adam.rinker@weatherford.com

Matthew Heaton
Email: matthew.heaton@weatherford.com

Directional Drilling Sales Casper: Dean Reed
1.307.268-7900 Casper, Wyoming
Email: dean.reed@weatherford.com

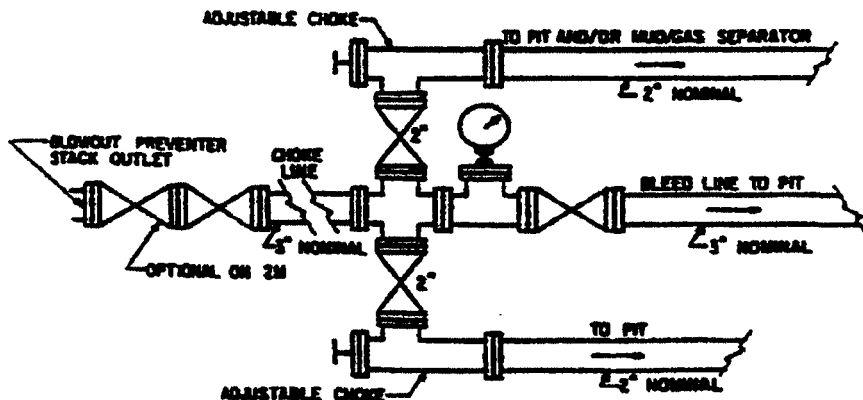
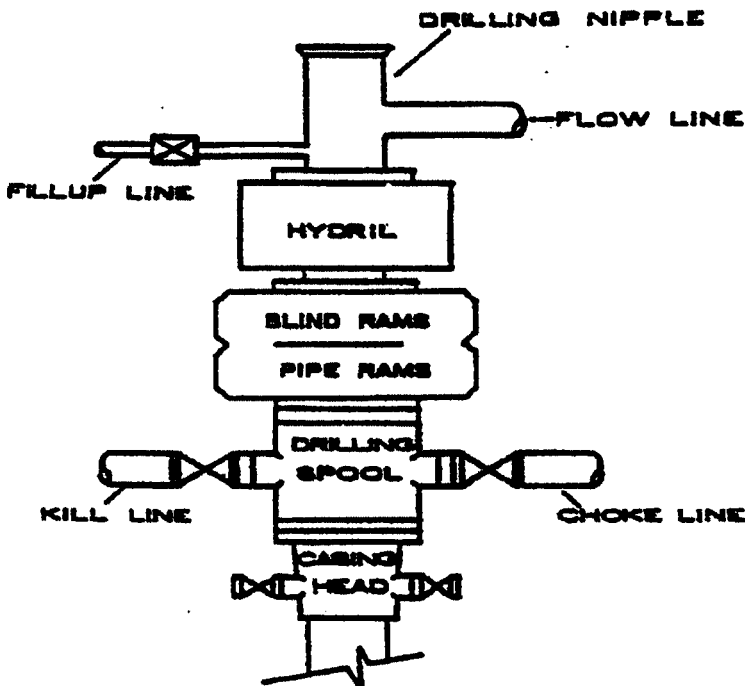
Directional Drilling Sales Denver: Linda Smith
+1.303.825.6558 Denver, Colorado
Email: linda.smith@weatherford.com

Well Planning Casper Office:
+1.307.268-7900 Casper, Wyoming
Tracy Williams
Email: tracy.williams@weatherford.com

Bret Wolford
Email: bret.wolford@weatherford.com

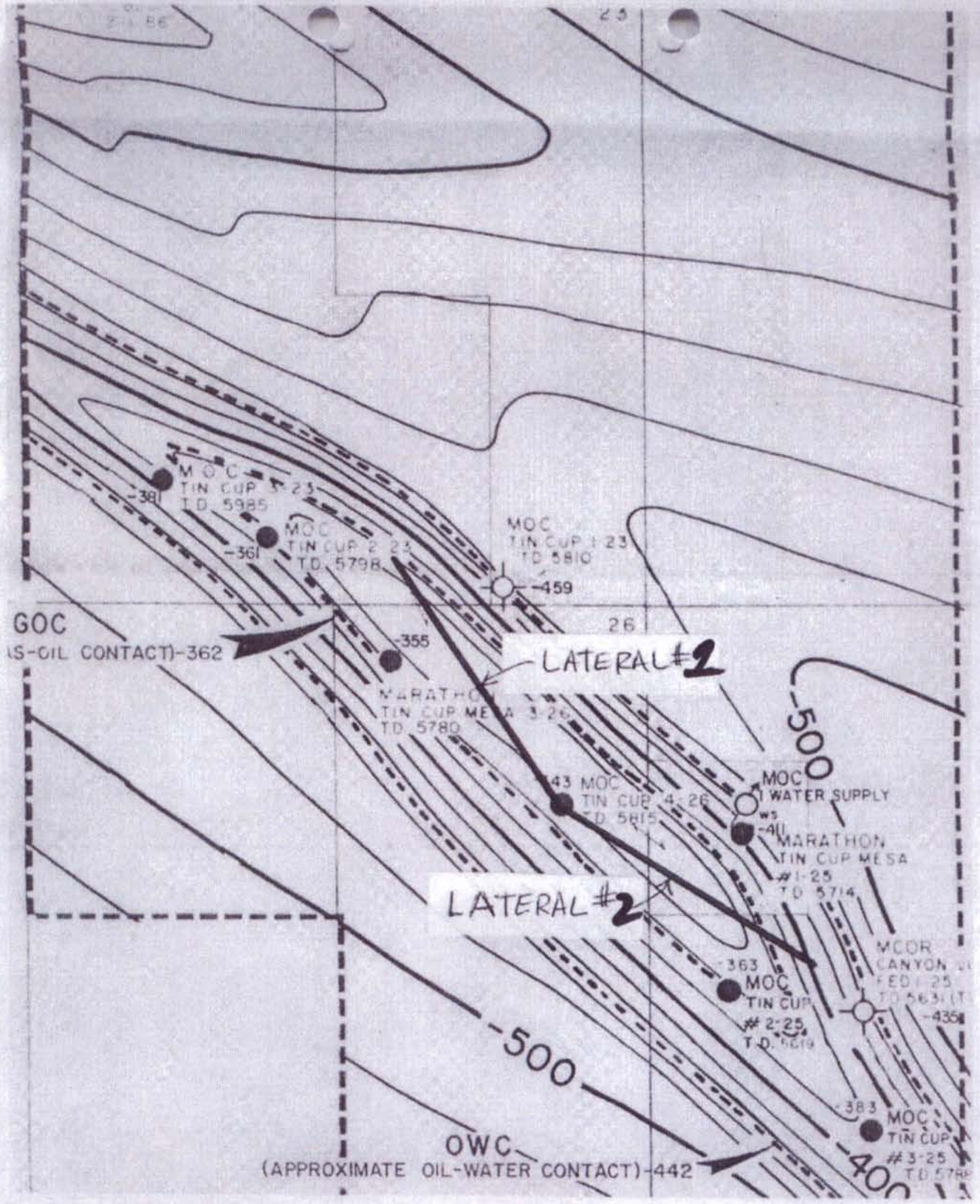
Well Planning Denver Office:
+1.303.825.6558 Denver, Colorado
Robert Scott
Email: robert.scott@weatherford.com

3M
BOP schematic - Exhibit



Info on BOP testing:

BLM notification of testing: The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a 3M system (exhibit A) and individual components shall be operable as designed. Chart recorders will be used for all



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 09/16/2008

API NO. ASSIGNED: 43-037-30941

WELL NAME: FEDERAL 4-26
 OPERATOR: MAR/REG OIL COMPANY (N8195)
 CONTACT: TARIQ AHMAD

PHONE NUMBER: 775-852-7444

PROPOSED LOCATION:
 SENE 26 380S 250E
 SURFACE: 1698 FNL 0720 FEL
 Sec 23 BOTTOM: 0402 FSL 2576 FEL S 1/2 S 1/2
 Sec 25 1583 FSL 0650 FWL NW 1/4 SW
 COUNTY: SAN JUAN
 LATITUDE: 37.45696 LONGITUDE: -109.1339
 UTM SURF EASTINGS: 665049 NORTHINGS: 4146997
 FIELD NAME: TIN CUP MESA (465)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal
 LEASE NUMBER: UTU-31928
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: ISMY
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTB000019)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. _____)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3. * Horizontal
- Unit: TIN CUP MESA
- R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: _____
- Eff Date: _____
- Siting: _____
- R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: _____
1. Fed. App. Approved
2. Spacing Strip NA

API Number: 4303730941

Well Name: FEDERAL 4-26

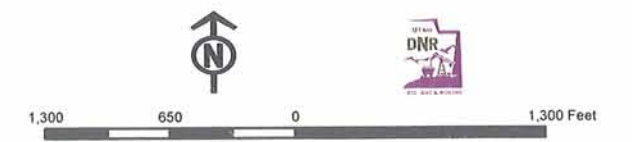
Township 38.0 S Range 25.0 E Section 26

Meridian: SLBM

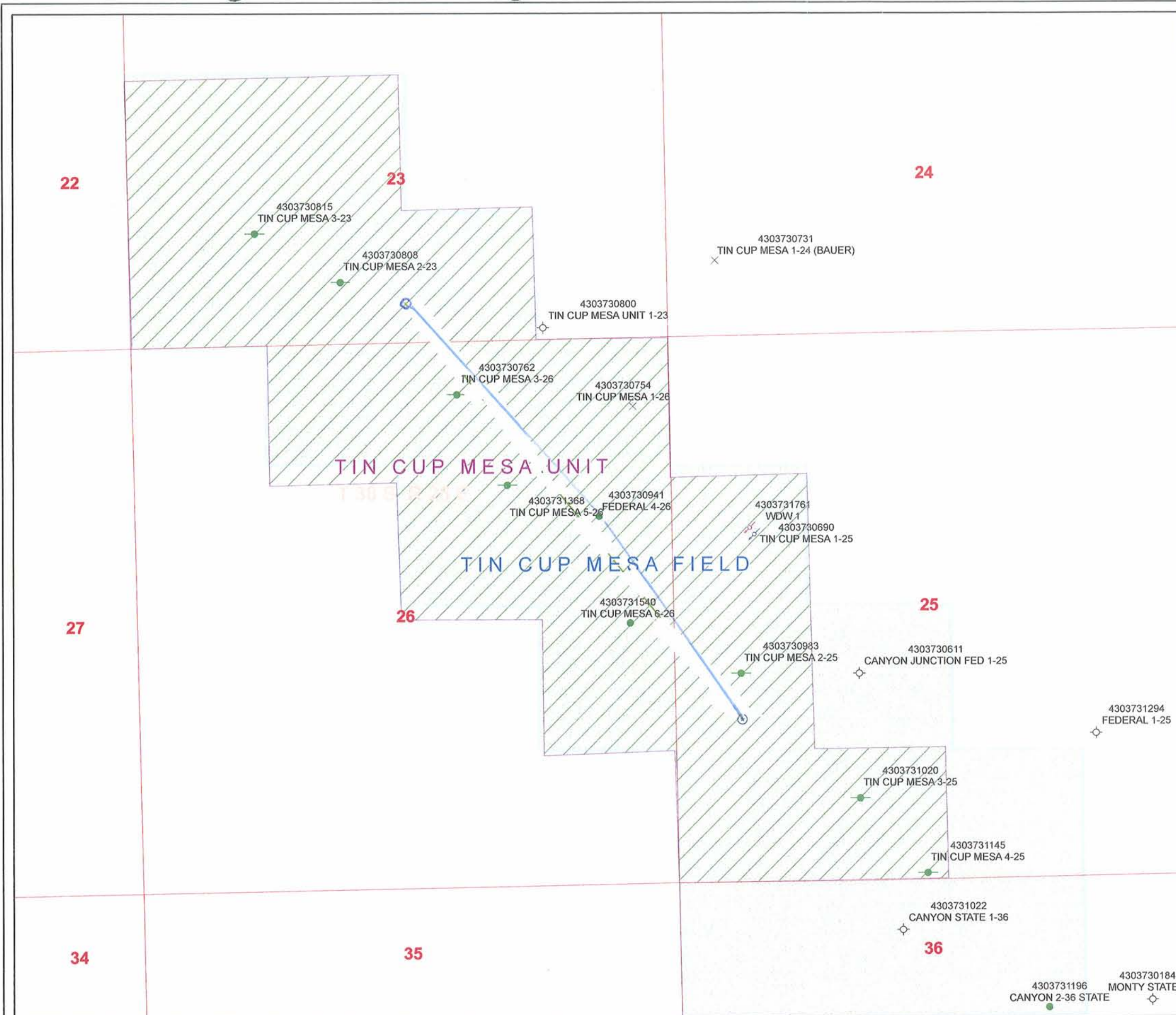
Operator: MAR/REG OIL COMPANY

Map Prepared:
Map Produced by Diana Mason

Units	Wells Query Events
STATUS	✕ <all other values>
ACTIVE	GIS_STAT_TYPE
EXPLORATORY	<Null>
GAS STORAGE	APD
NF PP OIL	DRL
NF SECONDARY	GI
PI OIL	GS
PP GAS	LA
PP GEOTHERML	NEW
PP OIL	OPS
SECONDARY	PA
TERMINATED	PGW
Fields	POW
STATUS	RET
ACTIVE	SGW
COMBINED	SOW
Sections	TA
Township	TW
	WD
	WI
	WS
	Bottom Hole Location



1:12,000



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

September 23, 2008

Memorandum

To: Assistant Field Office Manager Resources,
Moab Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2008 Plan of Development Tin Cup Mesa Unit San Juan
County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following well will be re-entered and horizontally completed with two laterals as follows. The work is planned for calendar year 2008 within the Tin Cup Mesa Unit, San Juan County, Utah (this is a modification to our August 29, 2008 memo).

API#	WELL NAME	LOCATION
(Proposed PZ Upper Ismay)		
43-037-30941	Federal 4-26	Sec 26 T38S R25E 1698 FNL 0720 FEL
	LAT #1	Sec 23 T38S R25E 0402 FSL 2576 FEL
	LAT #2	Sec 25 T38S R25E 1583 FSL 0650 FWL

This office has no objection to permitting the well at this time.

/s/ Michael L. Coulthard

bcc: File – Tin Cup Mesa Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:9-23-08



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

September 29, 2008

Mar/Reg Oil Company
P O Box 18148
Reno, NV 89511

Re: Federal 4-26 Well, Surface Location 1698' FNL, 720' FEL, SE NE, Sec. 26, T. 38 South, R. 25 East, (1)Bottom Location 402' FSL, 2576' FEL, S1/2 S1/2, Sec. 23, T. 38 South, R. 25 East, (2)Bottom Location 1583' FSL, 650' FWL, NW SW, Sec. 25, T. 38 South, R. 25 East, San Juan County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-037-30941.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: San Juan County Assessor
Bureau of Land Management, Moab Office

Operator: Mar/Reg Oil Company
Well Name & Number Federal 4-26
API Number: 43-037-30941
Lease: UTU-031928

Surface Location: SE NE **Sec.** 26 **T.** 38 South **R.** 25 East
(1)Bottom Location S1/2 S1/2 **Sec.** 23 **T.** 38 South **R.** 25 East
(2)Bottom Location: NW SW **Sec.** 25 **T.** 38 South **R.** 25 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.
5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 031928
2. NAME OF OPERATOR: Mar/Reg Oil Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO Box 18148 CITY Reno STATE NV ZIP 89511		7. UNIT or CA AGREEMENT NAME: 14-08-0001-20391
PHONE NUMBER: (775) 852-7444		8. WELL NAME and NUMBER: Federal 4-26
4. LOCATION OF WELL		9. API NUMBER: 4303730941
FOOTAGES AT SURFACE: 1698 FNL & 720 FEL		10. FIELD AND POOL, OR WILDCAT:
COUNTY: San Juan		
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 26 38S 25E S		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Request for Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
Requesting for Permit Extension.

**Approved by the
Utah Division of
Oil, Gas and Mining**

COPY SENT TO OPERATOR

Date: 8.6.2009
Initials: KS

Date: 08-03-09
By: [Signature]

JUL 21 2009

NAME (PLEASE PRINT) <u>Tariq Ahmad</u>	TITLE <u>Petroleum Engineer</u>
SIGNATURE <u>[Signature]</u>	DATE <u>7/15/2009</u>

(This space for State use only)

RESET

RECEIVED

JUL 21 2009

RECEIVED

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-037-30941
Well Name: Federal 4-26
Location: Section 26, T38S, R25 East
Company Permit Issued to: Mar/Reg Oil Company
Date Original Permit Issued: 9/29/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

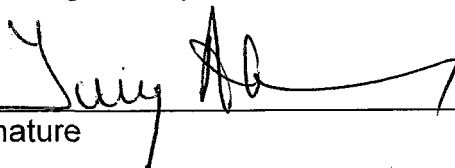
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No


Signature

7/6/2009
Date

Title: Petroleum Engineer

Representing: Mar/Reg Oil Company

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. **UTU-031928**

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
MAR/REG OIL COMPANY

3a. Address
 PO BOX 18148, RENO, NV 89511

3b. Phone No. (include area code)
 (775) 852-7444

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 1698 FNL & 720 FEL, SENE, SEC 26, T38S, R25E

7. If Unit of CA/Agreement, Name and/or No.
 14-08-0001-20391

8. Well Name and No.
FEDERAL 4-26

9. API Well No.
 43-037-30941

10. Field and Pool or Exploratory Area
TIN CUP MESA

11. Country or Parish, State
SAN JUAN, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Change location of</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Proposed Reserve Pit</u>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Attached is a revised location plat of the Federal 4-26 well site. Due to unkwon pipelines on the well location, we hereby notify the BLM of the change in the location of the reserve pit and the flare pit.

Additionally, the State of Utah has granted Mar/Reg a one year extension of the permit to deepen this well.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY**

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
 Dan Green

Title Engineer

Signature *Dane F Green* Date *9/08/09*

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office _____

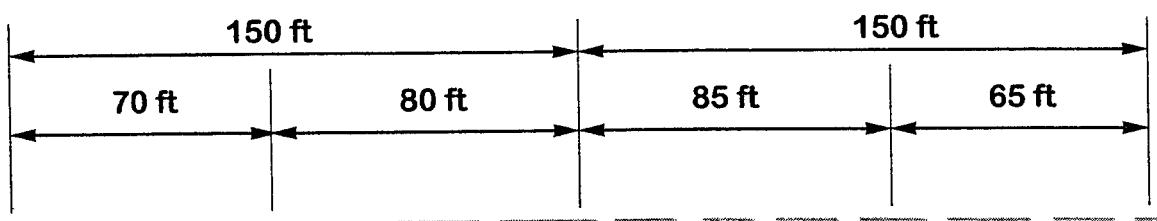
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

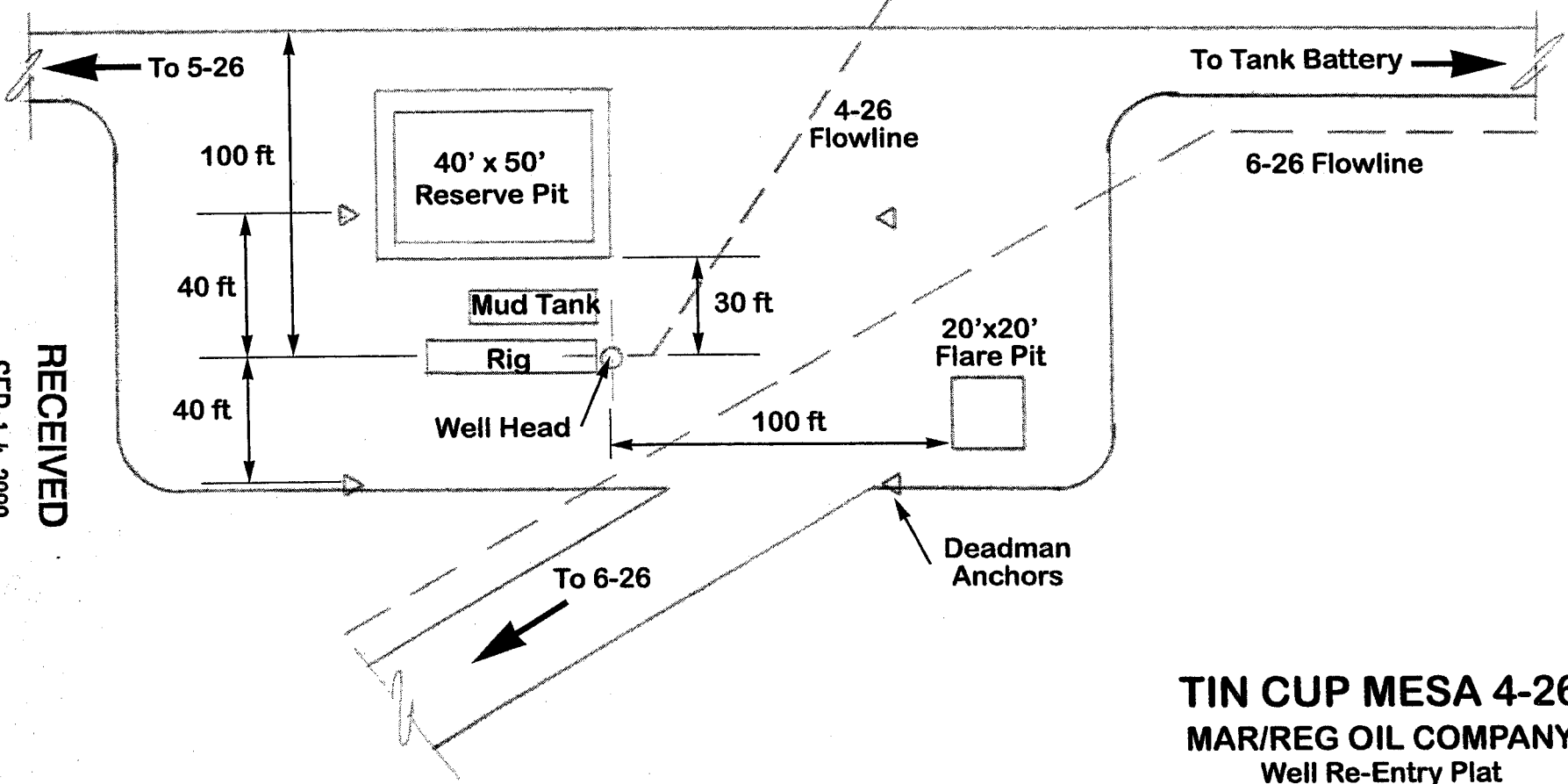
RECEIVED

SEP 14 2009

DIV. OF OIL, GAS & MINING



5-26 Flowline



RECEIVED

SEP 14 2009

DIV. OF OIL, GAS & MINING

TIN CUP MESA 4-26
MAR/REG OIL COMPANY
 Well Re-Entry Plat
 September 8, 2009
 Scale 1"=50 feet

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 031928
2. NAME OF OPERATOR: Mar/Reg Oil Company			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 18148 CITY Reno STATE NV ZIP 89511		PHONE NUMBER: (775) 852-7444	7. UNIT or CA AGREEMENT NAME: 14-08-0001-20391
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698' FNL & 720' FEL			8. WELL NAME and NUMBER: Federal 4-26
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 26 38S 25E S			9. API NUMBER: 4303730941
COUNTY: Carbon			10. FIELD AND POOL, OR WILDCAT: Tin Cup Mesa
STATE: UTAH			

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Request for APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

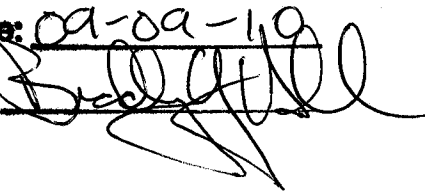
Request for second extension of time of one year for the APD initially approved on 9/29/2008 and subsequently extended for one year; until 9/29/2010.

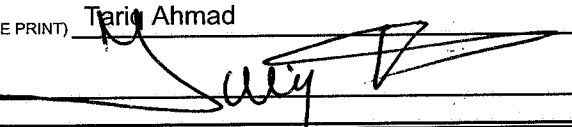
COPY SENT TO OPERATOR

Date: 9.14.2010

Initials: KS

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 09-09-10
By: 

NAME (PLEASE PRINT) <u>Tariq Ahmad</u>	TITLE <u>Petroleum Engineer</u>
SIGNATURE 	DATE <u>9/1/2010</u>

(This space for State use only)

RECEIVED
SEP 07 2010

RESET

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-037-30941
Well Name: Federal 4-26
Location: 1698' FNL, 720' FEL, SEC. 26, T38S, R25E, SLM
Company Permit Issued to: Mar/Reg Oil Company
Date Original Permit Issued: 9/29/2009

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

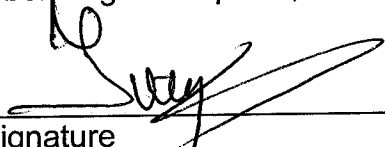
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No



Signature

9/1/2010

Date

Title: Petroleum Engineer

Representing: Mar/Reg Oil Company

**RECEIVED
SEP 07 2010**

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

6. LEASE DESIGNATION AND SERIAL NUMBER:

UTU 031928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL
OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:

14-08-0001-20391 Federal 4-26

2. NAME OF OPERATOR:
Mar/Reg Oil Company

9. API NUMBER:
4303730941

3. ADDRESS OF OPERATOR:
PO Box 18148 CITY **Reno** STATE **NV** ZIP **89511**

PHONE NUMBER:
(775) 852-7444

10. FIELD AND POOL, OR WILDCAT:
Tin Cup

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **1698 FNL & 720 FEL**

COUNTY: **San Juan**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **SENE 26 38S 25E S**

STATE: **UTAH**

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Extension
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

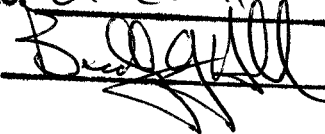
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Request Extension of APD on the above well, this extension is requested since we are currently building the road and are awaiting drilling equipment contracts for horizontal wells. There is a shortage of horizontal equipment in the State of Utah.

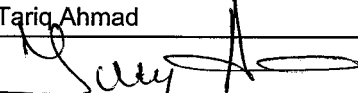
COPY SENT TO OPERATOR
SEP 26 2011

Date: _____
Initials: **KS**

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: **09-21-11**
By: 

RECEIVED
SEP 20 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) **Tariq Ahmad**
SIGNATURE 

TITLE **Petroleum Engineer**
DATE **3/20/2011 9/16/11**

(This space for State use only)

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-037-3041
Well Name: Federal 4-26
Location: 1698 FNL 720 FEL Sec 26 T38S R25E SLM
Company Permit Issued to: Mar/Reg Oil Company
Date Original Permit Issued: ~~9/29/2009~~
9/29/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Gay Arnold
Signature

9/15/2011
Date

Title: Petroleum Engineer

Representing: Mar/Reg Oil Company

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: TIN CUP MESA
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 4-26
2. NAME OF OPERATOR: MAR/REG OIL COMPANY	9. API NUMBER: 43037309410000
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511	PHONE NUMBER: 755 852-7444 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 0720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38.0S Range: 25.0E Meridian: S	9. FIELD and POOL or WILDCAT: TIN CUP MESA COUNTY: SAN JUAN STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 2/4/2012 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Move Reserve Pit"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 January 31, 2012**

NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 1/30/2012	

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator **MAR/REG OIL COMPANY**

3a. Address
PO BOX 18148, Reno, NV 89511

3b. Phone No. (include area code)
775-852-7444

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1698' FNL & 720' FEL, SENE, SEC 26, T38S, R25E, SLM

5. Lease Serial No.
UTU-031928

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
14-08-0001-20391

8. Well Name and No.
FEDERAL 4-26

9. API Well No.
43-037-30941

10. Field and Pool, or Exploratory Area
TIN CUP MESA

11. County or Parish, State
SAN JUAN, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Amendment to Sundry Notice for the Federal 4-26, two changes:

1. Move the location of the reserve pit to the original location on the Southeast of the well pad. Minimal disturbance to the area. Pit will be in the area which was disturbed when the well was first drilled. Pit will be lined and contained within a fence. This will provide more space for the drilling process without expanding the pad. Attached is a proposed site layout.

2. Attached is a map which shows the portion of the lease road to be graded and compacted. It also shows a portion of the lease road from the location trailer to the well pad of the Federal 4-26 to be graveled. The lease road from the tank battery to the well will become sloppy from rain. With drilling activity, the roads need to be accessible by heavy equipment.

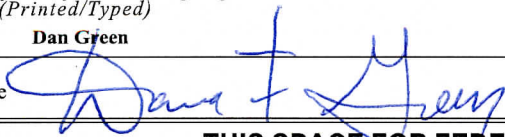
Attached is the Utah Oil and Gas Division approval of the extention.

14. I hereby certify that the foregoing is true and correct
 Name (Printed/Typed)

Dan Green

Title **Petroleum Engineer**

Signature



Date

01/31/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

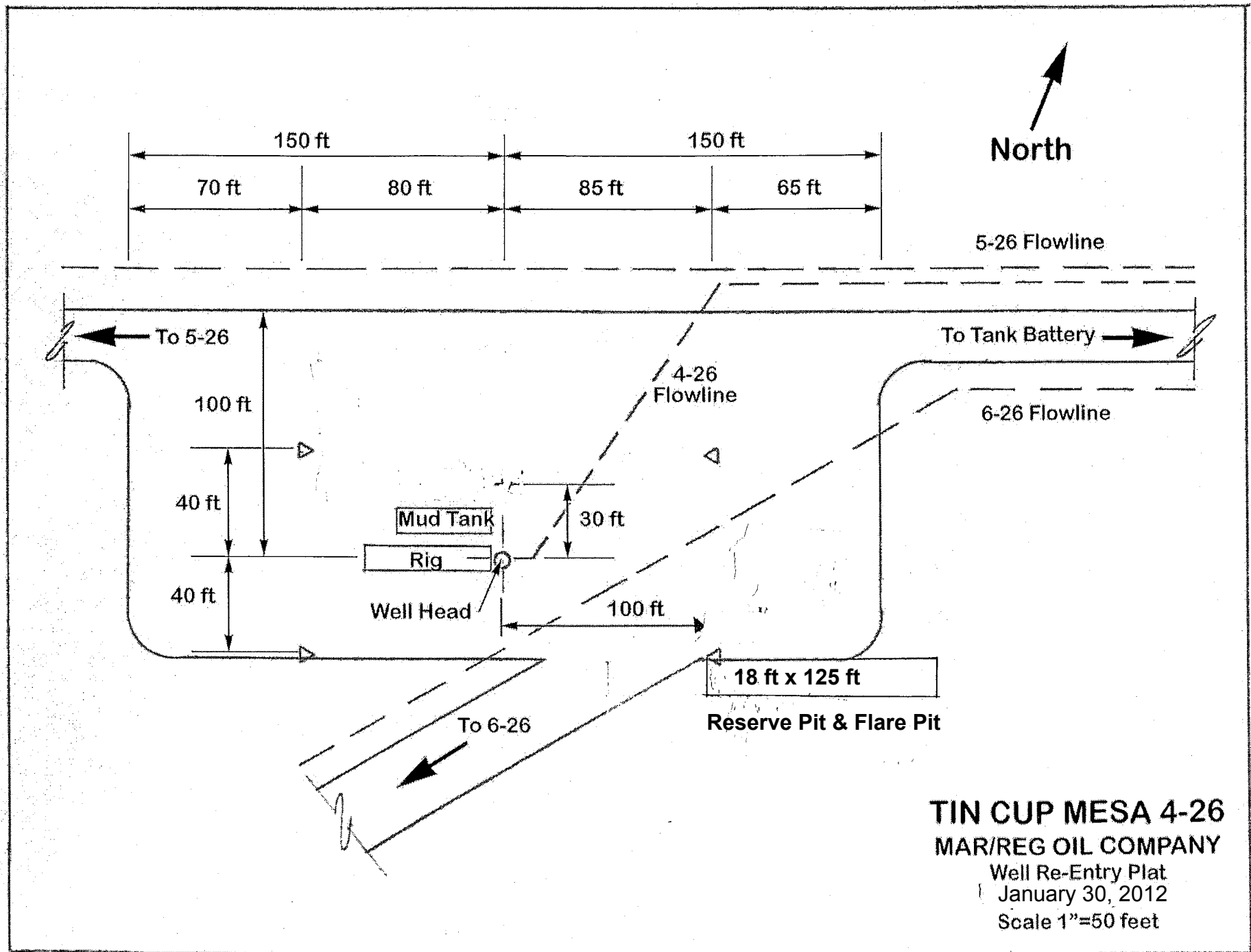
Title

Date

Office


Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)




Tin Cup Mesa
Location Map
Proposed Road Repair
January 30, 2012
Mar/Reg Oil Company



 Green highlight represents grading and drainage repair.

Propose to:

- Rip outcropping bedrock at the entry of the field;
- Grade drainage;
- Compact soil;
- Repair erosion at culver;
- Compact silt in creek bed;
- Cut drainage along road.

 Yellow highlight represents grading, drainage repair and gravel.

Propose to:

- Rip outcropping bedrock up the slope above the tank battery where possible;
- Grade drainage to the drainage at the tank battery;
- Compact soil;
- Import road base (gravel) and spread from the trailer to the well location (including past the tank battery);
- Possible: place road base loop at tank battery for oil tankers.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 031928
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: Mar/Reg Oil Company		8. WELL NAME and NUMBER: 14-08-0001-20391 <i>Lease 4-26</i>
3. ADDRESS OF OPERATOR: PO Box 18148 CITY Reno STATE NV ZIP 89511		9. API NUMBER: 4303730941
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL & 720 FEL		10. FIELD AND POOL, OR WILDCAT: Tin Cup
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 26 38S 25E S		COUNTY: San Juan
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Request Extension of APD on the above well, this extension is requested since we are currently building the road and are awaiting drilling equipment contracts for horizontal wells. There is a shortage of horizontal equipment in the State of Utah.

COPY SENT TO OPERATOR
SEP 26 2011

Date: _____
Initials: VS

**Approved by the
Utah Division of
Oil, Gas and Mining**

Date: 09-21-11
By: [Signature]

RECEIVED
SEP 20 2011
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <u>Tarig Ahmad</u>	TITLE <u>Petroleum Engineer</u>
SIGNATURE <u>[Signature]</u>	DATE <u>9/16/11</u>

(This space for State use only)



**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 43-037-30941
~~43-037-3041~~
Well Name: Federal 4-26
Location: 1698 ENL 720 FEL Sec 26 T38S R25E SLM
Company Permit Issued to: Mar/Reg Oil Company
Date Original Permit Issued: ~~9/29/2009~~
9/24/2008

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes No

Has the approved source of water for drilling changed? Yes No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes No

Is bonding still in place, which covers this proposed well? Yes No

Suey Ahmad
Signature

9/15/2011
Date

Title: Petroleum Engineer

Representing: Mar/Reg Oil Company

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company; MARRIG OIL COMPANY

Well Name: FEDERAL 4-26 DEEPEN

Api No: 43-037-30941 Lease Type FEDERAL

Section 26 Township 38S Range 25E County SAN JUAN

Drilling Contractor _____ RIG # _____

SPUDDED:

Date 02/27/2012

Time _____

How ROTARY

Drilling will

Commence: _____

Reported by TARIQ AHMAD

Telephone # (775) 240-0769

Date 02/28 /2012 Signed CHD

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928
1. TYPE OF WELL Oil Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: MAR/REG OIL COMPANY	7. UNIT or CA AGREEMENT NAME: TIN CUP MESA
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511	8. WELL NAME and NUMBER: FEDERAL 4-26
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 0720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38.0S Range: 25.0E Meridian: S	9. API NUMBER: 43037309410000
PHONE NUMBER: 755 852-7444 Ext	9. FIELD and POOL or WILDCAT: TIN CUP MESA
	COUNTY: SAN JUAN
	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/12/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Request for confidentiality"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Request to place well on Confidential Status

Approved by the Utah Division of Oil, Gas and Mining
Date: April 04, 2012
By: *D. K. Duff*

NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 3/21/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: TIN CUP MESA
2. NAME OF OPERATOR: MAR/REG OIL COMPANY		8. WELL NAME and NUMBER: FEDERAL 4-26
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511		9. API NUMBER: 43037309410000
PHONE NUMBER: 755 852-7444 Ext		9. FIELD and POOL or WILDCAT: TIN CUP MESA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 0720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 4/11/2012	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
April 17, 2012**

NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 4/11/2012	

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

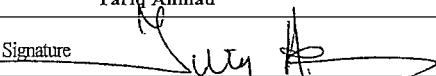
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> <input type="checkbox"/> Gas Well <input type="checkbox"/> <input type="checkbox"/> Other		5. Lease Serial No. UTU 031928
2. Name of Operator Mar/Reg Oil Company		6. If Indian, Allottee or Tribe Name
3a. Address PO Box 18148, Reno, NV 89511	3b. Phone No. (include area code) 775 852 7444	7. If Unit or CA/Agreement, Name and/or No. 14-08-0001-20391
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) 1698 FNL & 720 FEL SENE Sec 26 38S 25E SLM		8. Well Name and No. Federal 4-26
		9. API Well No. 4303730941
		10. Field and Pool, or Exploratory Area Tin Cup
		11. County or Parish, State Grand, Utah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Drilling Reports</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Attached please find the daily drilling reports on the above well.

14. I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Tariq Ahmad	Title Petroleum Engineer
Signature 	Date 04/10/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

MAR/REG OIL COMPANY

DAILY DRILLING LOG

FEDERAL 4-26 TIN CUP OIL FIELD

Tariq Ahmad

3/30/2012

Daily Drilling Schedule

Wednesday February 29, 2012

Arrived in GR at 8AM. Arrived in TC. Moved in Trailers, set up internet, phone, generator, etc. by 8 PM. Moved in Mud pump and mud tank. Directional drilling supervisor arrived on location, discussed drilling plan. Inspected Mud pip. Dean, Ed and Dan on location. Dan confirmed with Bobby that rig on location at AM. Confirmed tri cone bits 6 1/8 inch. Confirmed with Jeff BLM for BOP test on Thursday March 1, 2012.

Thursday March 1, 2012

Rig on Location 8 AM. DP on location, BOP on location, Actuator on location. Rig religning cable for 300000 lbs wt. Standby for directional crew. Released Rig crew 7 pm. Meeting with Bobby, Tool Pusher and with Todd Pumper. Went over daily plans. Confirmed workorders for Friday.

Friday March 2, 2012

BOP tester arrived, installed the BOP test equipment. BLM wanted all flowlines and valves. Air Package, Directional Equipment on location. Chemicals on location. Tested Anchors all passed. Rig crew released at 5 pm. Ordered power swivel and flange between BOP and hydril. Fuel Tanks on Location. AM snowed about 4 inches, cleared up by afternoon. Brought in Gravel to lay around the location.

Jeff (BLM) approved tests. Will test the flange on Saturday. Directional crew on standby. Air Cre arrived on location. Went over the program with Directional, air and rig crews.

Saturday March 3, 2012

Water tanks, diesel, light plant, bit on location blewey line on location. Needed flanges and elbows, picked up at Varco. Wireline started running gauge and collar locator at 7:30 pm. Released Welders at 7 30 pm. Air and directional on standby. Worked with Air to get the blew lines situated. Night crew to start Sunday night. Basin Well Logging showed up to RIH with scraper and Gauge, could not GIH, found brought wrong gauge equipment. They brought 7 in 23# rather than 7 in 26# casing size. So off on the ID. Send them home at 8:20. Will be back at 6 AM to Set BP. Released Rig crew at 8:30 pm. They had to wait for Wireline to finish. Wireline came back on location at 9 PM to run gauge and CIBP. Set CIBP at 2 ft above the bottom collar which is on logs at 5130 feet KB. (13 ft KB) Set BP at 5128, two feet above collar at 5130. Released crew at Midnight. (Called on 3/27/2012, unscrewed CIBP from bottom of setting tool, and used the sleeve on the setting tool as the gauge ring. Than went back in hole and set the CIBP. Rich from Basin.)

Sunday March 4.

Crew on location at 7:30 am. Called Rodney to check for flanges. Morning meeting with crew. Discussed pump. Built Blew Line, Tested CIBP. RIH with mill put 25000 on CIBP, held. Trip out, RIH with Whipstock and Assembly. Started PS, would not pressure up. Checking PS. Everyone waiting. Order replacement PS. Released crews at 1 pm

Lost time 24 hours Weatherford

Monday March 5, 2012

6 AM reached bottom, RIH with Gyro at 8 AM. Set WS. Started Whipstock, PS wont work. Shutdown at 1 PM. Ordered new PS.

Tuesday March 6, 2012.

Swapped out PS. New PS wont work. Milled 4 feet, wont mill again. 5 pm ran a sweep. POH to check mill. Started to POH at 6:30 pm. RIH with new mill, start in hole with new mill 6 AM. (Weatherford is responsible for the delays and all the time.)

Lost Time 24 hours Weatherford

Wednesday March 7, 2012

Started to mill window. Started oil flow into tanks, cut the two foot oil zone. 6:30 pm completed milling and rat hole. Run 50 bbl sweep. Clean hole. Starting POH with mill 9:45 PM. 1:15 AM. Started to build downhole assembly.

Thursday March 8, 2012

1:15 AM build BHA. Applied Physics, EM manufacturer at location with Calmena, Directional contractor to build equipment. Install bit, Mud motors and EM assembly. Built BHA, Calmena could not receive signal. Was informed that while placing the batteries, it shocked the tech. Tested signal, would not transmit. Calmena Supervisor informed that shocks are normal, and that they need to test the system. Would not test, asked them to place replacement unit, 5:10 AM placed replacement unit. Decided to RIH without EM tool drill the first 100 foot. Started drilling at 4 pm. Azimuth working. AP shipping replacement by plane to Moab. Decided to reduce hydrostatic to 6 ppg. Water in hole is 8.5 ppg. Making oil through the fluid. Reduce the weight to test zone. (confirms there is no issue with bad cement, as if had bad cement would not have gotten oil, rather would have had lost fluid into formation.)

AP stated that the sensor thing had bad wiring that allowed for a short. AP left location at 6 pm to pick up parts in Moab. Jose discussed issues. Started air at 5:30 pm waiting for bottoms up. Want to test as DST the zone at 5128.

10 PM ad joint, pull out the Gyro, RIH with Gyro start drilling. WOB 12-14000, 1000-1050 cfm, 140 gpm of water. Returns with limestone and oil.

Lost Time 15 hours Calmena

Friday March 9, 2012

12:30 AM Blowdown, run Gyro. AP assembling new EM tool. Depth 5162 ft MD. 12:45 pm drilling.

1:10 am MD 5165. AP, Calmeran tested EM equipment okay. 3:30 pm 5182 MD. Circulate one hour. Bleed off air. POH with Gyro. Circulated till 4:15. POH with Gyro. PU power tongs, set aside power swivel. Started POH at 6 AM. Lay down PS. 10 AM. Bobby on location, PU BHP, running EM Tool. 11 AM setting tool face.

6 pm Started tool good, signal good, drilling with gyro.

Saturday March 10, 2012

12:15 AM sample good odor and stream. Circulate for one one.

Take survey, calibrate Gyro with EM tool MD 5220. 1:35 gyro and em tools survey, released Wireline at 2 am.

Add joint dp and float 2:15 AM Started Drilling 2:20 AM.

3 38 AM CP 900 1750 CFM 20 gpm. Wt on Bit 12000-15000 Temp 41.25 C or 106 F.

PS turns a bit so using Wt on Bit to turn.

POH at 11 AM readjust motor to 2.0 RIH at 3 PM. Reevaluated program found discussed reasons for not building angle. The only explanation left was that we changed our drilling program to aerate to soon, need to stay with program and drill with Water.

7 pm started to unload the well. FL at 200 psi feet. 13 bbls in hole to unload with skim of oil.

Add joint at 9:15 pm. WOB 20000 lbs. 10:30 made 15 feet, survey. 326.95 16.88 inclination. Build rate upto 9.8 degrees. Still on old bit for survey.

Sunday March 11, 2012

11:50 PM New Joint. Survey 19.14 inclinatin 329.84 Azimuth. Build Rate 11.5. Start drilling 12:00 AM MD 5346

2:10 AM. Circulate Survey at 2:25 AM MD 5378. Survey Depth 5323 25.19 inclination 319.22 Azimuth. Build Rate 18.9 TVD 5364.

Sundry Number: 24749 API Well Number: 43037309410000

Add joint 2:35 AM 4:35 AM drilling break ? pressure spiked, stopped drilling, motor stall, spiked 500 psi in DP. pressure dropping to normal. After break, bit not cutting. Slow drilling. Bottom at 5:50. Circulate.
Circulate since shift change. MD 5354 Sensor. Bit 5409 Crew waiting for replacement crew. SP pressure 680 psi Survey inclination 31.8 Azimuth 315.92 Build Angle 22.41.
Added joint and started drilling 7:47 AM.

Changed to Daylight Savings Time.

6 pm ran survey Build angle 21.15 Inclination 63.77 TVD 5448.75 MD 5512. 3 feet to Ismay Trip out and change sub to build angle of 6.2. Hit a fracture at 5440 or anhydrite. **9:00 pm bolts on Power tongs sheared**, order replacement will take 5 hours to get on location. Can use regular tongs to pull remaining string.
TRIP Out at 12:00 AM (3 hours)

Monday March 12, 2012

Changing batteries in EM tool. Vernal shipped replacement Power Tongs. **Waiting on Power Tongs 2 AM**
8 AM received new Tongs. Power tongs were wrong size, call Weatherford, sending replacement from Grand Junction. Left GJ at 10 AM.

Replacement Tongs at location 2:30 PM. Changed bit and motor angle. 4 pm. 8 PM installed power swivel. **BHP 1800 psi. FL estimated at 970 feet from surface.** Pressure up to 3040 psi to unload well. 9:00 PM Place air bubble through drill pipe, DP has one way valves, so air with foam comes out first. Getting fresh water with foam will unload after a few bubbles. Pore pressure coming down. 9:50 PM pore pressure 780 PSI. unloaded about 89 bbls fluid mostly oil. Reviewed drill string found MWD hand put Gyro sub rather than one way valve sub, so have to pull out 7 stands and replace. Blow down annulus, starting 10:00 pm, POH with 7 stands. Take off PS, replace with PT. 10:22 PM BHP 310 psi. Replaced at 11:00 PM. Will put the float sub on top DP. RIH at 11:30 pm. Start drilling at 12:25 PM Lost **3 hours of drilling time.**

Lost Time Total hours lost to Tongs (17.5 hours) (3 hours Calmena)

Tuesday March 13, 2012

Started drilling 12:30 AM. Woke up Tim sent him to rig floor with Dan. Directional Drillers. Well Circulated. Start drilling at 1:35 AM.
Lost 3.5 hours total. BHP 690 psi. WOB 10,000

3:15 AM 890 psi TVD 5475 MD 5599. T 117.5 F
4: 25 AM 630 psi TVD 5483 MD 5631 T 117.5 F
5:25 AM 840 psi changed FMA 100 from Omni Foam. Estimated Reservoir Pressure 1900 psi. T 110.75
7:25 AM 700 psi TVD 5489 MD 5662 T 117.5 F
7:37 AM 1330 psi Slow drilling T 125.6 F
8:05 AM Add joint 1100 psi T 128.84 F TVD 5495 MD 5694
10:29 AM Add joint 800 psi T 128.84 F TVD 5499 MD 5726
10:00 AM drained Frac Tank.
11:00 made 1 foot or 58 bbls fluid with fresh oil.
5:30 PM added joint

9 PM drilling. FBHP 790 psi
9:45 PM Ad joint FBHP 880 TVD 5508 MD 5830. Light oil emulsion. Have gone about 350 feet horizontal. Azimuth 321.47 About 15 feet from plan, will keep 321 to go north of plan. Need 60 feet to go to non drained zone. Slow drilling.

10:45 Bottom. New Joint.

Tuesday March 14, 2012

Survey at 2:30 AM TVD 5508 MD 5830.

5AM woke up, found having problems sliding. 5:10 AM Instructed to PU 4 joints and clean hole. Lay down 4 joints, took out PS, pull string float. RIH 7:25 AM BHP 1030 2 percent oil in emulsion

Start Drilling 9:AM. BHP 940 psi

RECEIVED: Apr. 11, 2012

Add joint 10:AM BHP 840 psi 30 ft an hour.

10:30 AM BHP 830 psi

11:00 AM BHP

New joint 11:30 PM. Retort 5% oil in returns. Sliding.

Power tongs failed, wait for replacement.

7:30 PM new PT arrived

Shut In Pressure buildup 2050 psi. 5 hours

8:30 PM

TVD 5498 MD 6114. 757 ft from Well bore. along curve. 757 feet horizontal.

10:30 PM slid 10 feet than rotate. Start having fresh oil in tank. 2% paraffin in return sample, however the bucket had oil sticking on the sides. Checked initial drilling reports found initial reservoir pressure from DST in 1983 was 2054 psi. Thus we are in virgin reservoir. Fluid influx of about 10 bbls per hour. **FBHP 860 psi.**

11:00 PM. Fluid needs to be unloaded.

11:25 PM Added new joint. FBHP 940. Indicating fluid influx.

March 15, 2012

12:00 AM FBHP 830

2:10 AM FBHP 830 New Joint Survey. Inclination 90.57 Azimuth 325.54 Start drilling 2:45 AM. About 30 ft north of plan, but still not in the new survey plan which is to be 100 feet north of plan. Slide 7 feet.

6:30 AM reached Bottom, clean hole and add joint. Stream of oil.

9:30 AM Survey TVD 5497 MD 6296 inclination 89.49 Azimuth 324.89

12:00 PM FBHP 880 psi

1:30 pm circulating. FBHP 590.

2 pm Trip for new bit SBHP 970.

7:45 PM New Bit and motor.

9:00 PM installing new batteries, had problem with pins, replaced casing for batteries. **One hour for repairs.**

10:00 PM driller said the drill line had some flat spots since day crew did not wrap line tightly, inspected the line found two of the 36 strands were broken, called Bobbi, he approved wrapping the line and going in hole. Sending mechanic to inspect line, if bad will send new line in AM. Calculated line stress, should be good to 188000 pounds without safety factor. We only have 140000 pounds maximum weight so well below safety.

Friday March 16, 2012

12:00 AM CP 250 psi. Mechanic inspected the drill line, okayed to go ahead and drill. Since the cable is rated over 250,000 lbs and we are only 130,000 lbs so go ahead and drill. Temperature 86 F

1:15 AM BHP at tool 480 psi T 113 F Power Tongs failed. Ran 63 stands in the hole. 3780 feet in hole. FL at 40 stands or 2480 feet from surface.

1:45 removed bad tongs. Rig line has issues. Rig line fixed at 2:55 AM putting replacement tongs on rig floor

3:25 Replacement Tongs don't work, removed.

3:50 AM BHP at tool 500 psi Temp 115.25 F

4:10 AM **Fixing sand line, goes over shive. One hour.**

4:30 AM rigged up PT, testing.

4:45 AM called Weatherford in GJ. Tongs finally worked.

Lost Time due to Tongs. 3 hours and 45 minutes due to Tongs.

Fluid resistivity high indicating oil in casing

5:15 AM at window. BHP 1440 psi. changing to single line from double.
Sp Gravity .83 for oil. So FL at 1121 feet.

6:15 AM. Tight spot at 5547 feet, anhydrite stringer. PU Swivel rotate. If not than use rig pump. Anhydrite at 5461. Volt realing was 14,500 mV.

7:00 A found that Rig crew put in wrong oil in engine.

9:15 AM Dan went to blanding and PU Engine Oil.

10:00 AM start drilling.

4 PM Bottom of hole start to unload.

4:45 PM unloading foam and oil.

6:15 PM reached Bottom hole started to drill slow drilling.

7:30 PM drilling fractures, called Weatherford to get torque increase on PS. T 115.25 F. Res 5400 mV. FBHP 860 psi. Making straight oil.

9:30 PM inclination 88.99 Azi 324.24 BHP 930. Temp 126.5 F. Survey Depth TVD 5498 MD 6305.
Projected: MD 6360 TVD 5499.03.

10:30 PM Drilling FBHP 920 Resistivity 5238 mV.

Saturday March 17, 2012

Midnight New Joint. FBHP 1050 Resistivity 5100 Mv.

12:15 AM Started Drilling

1 AM FBHP 880 T 119.75 Resitivity 5062 mV

3 PM ready for new joint. FBHP 880 Resistivity 5277 Mv.
Inclination 89.26 Azimuth 324.41 MD 6368 TVD 5499.56 1064 feet along horizontal.

Started drilling 3:25 AM

5:10 AM FBHP 840 Resistivity 5098 Mv.

5:56 AM FBHP 830 Resistivity 4925 T 115.25 F

7:24 AM new joint. Change Washington Head Rubber packing . High pressure on annular. Temp. 124.25 F Resistivity 4262.49 Mv

7:35 Resis 4487 Mv.

1:40 PM Tank Gauge 10'5". Started Tank No. at 10' 2" Temp 115.25 Resistivity 5702 Mv. FBHP 800.

2:10 PM Resis 5506 Mv.

2:40 PM added joint. Tank Gauge 10' 8" inches made 5 bbls oil in one hour from pit. Resistivity 5498.

4:30 PM Dan talked to Steve at Weatherford, told to increase up gauge one quarter turn, turn up throttle on Control Panel to increase torque on PS. Doing so seemed to have increased penetration rate. Was told by Operator that the throttle was set at low by instructions of Calmena driller Tim.

60 RPM is the maximum. WB 4000 pounds.

6:45 PM New Joint. TVD 5501 MD 6550 BHP 920 T 126.5 F. Resistivity 4630 Mv. Need to get to 5508 for the porous zone. Plan to survey need to get to 5509 MD for the zone.

8:25 PM New Joint. Temp. 128.75 FBHP 850 Resistivity 3979 Mv. Inclination 88.35 Azimuth 323.52
TVD 5502.54 MD 6581.0

8:55 PM Start Drilling. (Takes 10 minutes to bleed down and survey.) 15 feet per minute. Projected to go to 55 feet TVD for zone. Projections: Increase torque and RPM and WOB. 5 foot slide to get into projected 5511.88 ft

March 18, 2012

7:45 AM Resistivity 5288 Mv FBHP 790 Approximately 1320 ft on horizontal.

8:00 AM Resistivity 5216 FBHP 800

8:45 AM new joint. Resistivity 5377 FBHP 790 Inclination 85.78, put a slide to lower inclination.

8:55 AM start drilling.

Tank Gauge 10'9" Water 239 bbls. Fed 5-26 4 bbls oil 120 bbls water. 4-26 119 bbls water 10 bbls oil. From Pit 12 6 hours.

9:30 AM sliding 5 feet. Resistivity 5369 FBHP 750.

10:15 AM sliding Resistivity 5582 FBHP 750 psi T 122 F

10:30 AM Rotating.

11:15 AM Resistivity 5787 FBHP 810 Temp. MD Sample Clay and Dolomite

11:45 AM sample some coal, clay and dolomite. TVD about 5509.

12 PM rotating, out of hard zone into porosity.

12:30 PM TVD 5510 MD 6706 inclination 86.7 Azimuth 323.02 Resistivity 5759 Mv

1:00 PM new joint.

1:55 PM Resistivity 6817 Mv. FBHP 790 psi

2:40 PM Resistivity 7161 MV FBHP 790 psi

3:00 PM new joint. Depth 6736 MD

3:55 PM Resistivity 7498 Mv FBHP 770 psi

Sundry Number: 24749 API Well Number: 43037309410000

4:20 PM MD 6751 Sample Resistivity 7519 FBHP 770

5:29 PM MD 6771 KD. Resistivity 7754 FBHP 760 TVD 5512 MD 6771 inclination 87.68.

5:45 PM Start Drilling Resistivity 7741 FBHP 670 psi.

6:45 PM 6787 Resistivity 8072 Mv FBHP 790 psi.

7:30 PM 6797 Resistivity 8427 Mv FBHP 950 psi.

8:45 PM MD 6802 TD. Resistivity 4917 Mv FBHP 790 psi Temp 115.25 F TVD 5514.32 In zone.

Monday March 19, 2011

Released Air and MWD.

Tank Gauge 3'6" in Tank 2. Made 20 bbls oil.

RECEIVED: Apr. 11, 2012

COMPLETION

April 5, 2012 Placed well on Pump. Made 86 bbls water in 6 hours, no oil, started pressure on Casing

April 6, 2012 2% oil on T, started selling gas, well pressuring up.

April 10, 2012 POH with rods and tubing, fished out H-Latch, prepare to RIH with inflatable packer and production packer to shut off Water zone at 5290 foot in curve.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: TIN CUP MESA	
2. NAME OF OPERATOR: MAR/REG OIL COMPANY		8. WELL NAME and NUMBER: FEDERAL 4-26	
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511		9. API NUMBER: 43037309410000	
PHONE NUMBER: 755 852-7444 Ext		9. FIELD and POOL or WILDCAT: TIN CUP MESA	
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		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Testing"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/31/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
May 2012; Tested and evaluated well after horizontal drilling.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 16, 2012			
NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer	
SIGNATURE N/A		DATE 10/11/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: TIN CUP MESA	
2. NAME OF OPERATOR: MAR/REG OIL COMPANY		8. WELL NAME and NUMBER: FEDERAL 4-26	
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511		9. API NUMBER: 43037309410000	
PHONE NUMBER: 755 852-7444 Ext		9. FIELD and POOL or WILDCAT: TIN CUP MESA	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 0720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Testing"/>
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/31/2012			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
July 2012; Tested and evaluated well after horizontal drilling.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 16, 2012			
NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer	
SIGNATURE N/A		DATE 10/11/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: TIN CUP MESA
2. NAME OF OPERATOR: MAR/REG OIL COMPANY		8. WELL NAME and NUMBER: FEDERAL 4-26
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511		9. API NUMBER: 43037309410000
PHONE NUMBER: 755 852-7444 Ext		9. FIELD and POOL or WILDCAT: TIN CUP MESA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 0720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 6/30/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Testing"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

June 2012; Tested and evaluated well after horizontal drilling.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
October 19, 2012**

NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 10/11/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9	
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928	
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME: TIN CUP MESA	
2. NAME OF OPERATOR: MAR/REG OIL COMPANY		8. WELL NAME and NUMBER: FEDERAL 4-26	
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511		9. API NUMBER: 43037309410000	
PHONE NUMBER: 755 852-7444 Ext		9. FIELD and POOL or WILDCAT: TIN CUP MESA	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 0720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38.0S Range: 25.0E Meridian: S		COUNTY: SAN JUAN	
		STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/31/2012 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text" value="Testing"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.			
August 2012; Tested and evaluated well after horizontal drilling.			
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 19, 2012			
NAME (PLEASE PRINT) Tariq Ahmad		PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer
SIGNATURE N/A		DATE 10/11/2012	

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
U-31928

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE – Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.
TIN CUP MESA

8. Well Name and No.
FEDERAL 4-26

9. API Well No.
43-037-30941

10. Field and Pool or Exploratory Area
TIN CUP MESA

11. Country or Parish, State
SAN JUAN

1. Type of Well

Oil Well Gas Well Other

2. Name of Operator
Mar/Reg Oil Company

3a. Address
PO BOX 18148
RENO, NV 89511

3b. Phone No. (include area code)
775-852-7444

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SE NE SEC 26, T38S, R25E, 1698' FNL, 720' FEL

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input checked="" type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	_____
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	_____

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

MAR/REG OIL COMPANY HEREBY REQUESTS A DELAY IN THE RECLAMATION OF THE RESERVE PIT AT THE FEDERAL 4-26.

Mar/Reg plans to re-enter the horizontal lateral and ream and dress the hole for placement of a packer at approximately 6700 ft MD. Mar/Reg plans to re-enter the well in the spring. Once completed and the well is producing, the Company will request permission to reclaim the reserve pit.

Mar/Reg ordered netting for the sides of the pit. Once received the Company will install netting.

RECEIVED

DEC 24 2012

DIV. OF OIL, GAS & MINING

Federal Approval of this Action is Necessary

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
Dan Green

Title Petroleum Engineer

Signature

Date 12/18/2012

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME

8. WELL NAME and NUMBER:

9. API NUMBER:

10 FIELD AND POOL, OR WILDCAT

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

12. COUNTY

13. STATE

UTAH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

b. TYPE OF WORK: NEW WELL HORIZ. LATS. DEEP-EN RE-ENTRY DIFF. RESVR. OTHER _____

2. NAME OF OPERATOR:

3. ADDRESS OF OPERATOR: CITY STATE ZIP PHONE NUMBER:

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE:

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

14. DATE SPUDDED: 15. DATE T.D. REACHED: 16. DATE COMPLETED: ABANDONED READY TO PRODUCE 17. ELEVATIONS (DF, RKB, RT, GL):

18. TOTAL DEPTH: MD TVD 19. PLUG BACK T.D.: MD TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) 23. WAS WELL CORED? NO YES (Submit analysis)
WAS DST RUN? NO YES (Submit report)
DIRECTIONAL SURVEY? NO YES (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A)				
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

- ELECTRICAL/MECHANICAL LOGS
- SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
- GEOLOGIC REPORT
- CORE ANALYSIS
- DST REPORT
- OTHER: _____
- DIRECTIONAL SURVEY

30. WELL STATUS:

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) _____ TITLE _____
 SIGNATURE _____ DATE _____

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

Well Report



Company : MAR/REG Oil Company
 Well : Tin Cup Mesa 4-26
 Location : San Juan County Utah
 Reference: True North

Page: 1
 Date : 3/19/2012

License : 43-037-30941

UWI #: TX12004

Vertical Section Calculated Along Azimuth 318.53°
KB Elevation = 5120.00ft GR. Elevation = 5107.00ft

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	%100	%100	%100
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1	5067.00	0.72	61.65	5066.87	15.12	28.02	-7.23	0.01	0.01	1.22
2	5198.00	10.65	333.69	5197.11	26.39	23.36	4.30	8.13	7.58	-67.15
3	5213.00	11.91	330.99	5211.82	28.99	22.00	7.15	9.11	8.40	-18.00
4	5230.00	13.22	329.44	5228.41	32.20	20.16	10.77	7.96	7.71	-9.12
5	5259.00	15.45	327.86	5256.51	38.32	16.42	17.84	7.81	7.69	-5.45
6	5291.00	19.14	324.89	5287.05	46.23	11.13	27.27	11.85	11.53	-9.28
7	5323.00	25.19	319.22	5316.68	55.69	3.66	39.30	20.03	18.91	-17.72
8	5354.00	31.90	315.42	5343.90	66.53	-6.41	54.10	22.41	21.65	-12.26
9	5386.00	38.19	311.28	5370.09	79.09	-19.80	72.37	21.00	19.66	-12.94
10	5418.00	44.84	308.77	5394.04	92.70	-36.05	93.33	21.42	20.78	-7.84
11	5449.00	51.13	306.78	5414.78	106.78	-54.25	115.94	20.84	20.29	-6.42
12	5481.00	57.23	305.55	5433.50	122.08	-75.20	141.27	19.32	19.06	-3.84
13	5512.00	63.77	306.09	5448.75	137.86	-97.06	167.58	21.15	21.10	1.74
14	5544.00	70.77	307.12	5461.11	155.46	-120.73	196.44	22.08	21.87	3.22
15	5576.00	75.24	309.25	5470.46	174.37	-144.78	226.53	15.35	13.97	6.66
16	5607.00	76.54	309.62	5478.02	193.47	-168.00	256.22	4.35	4.19	1.19
17	5639.00	78.12	310.58	5485.04	213.58	-191.88	287.10	5.74	4.94	3.00
18	5671.00	79.35	311.98	5491.29	234.29	-215.46	318.23	5.76	3.84	4.37
19	5703.00	81.41	313.44	5496.64	255.69	-238.64	349.62	7.85	6.44	4.56
20	5734.00	83.31	315.83	5500.76	277.27	-260.50	380.27	9.80	6.13	7.71
21	5766.00	84.28	317.67	5504.22	300.44	-282.29	412.06	6.47	3.03	5.75
22	5798.00	85.60	319.86	5507.04	324.41	-303.30	443.94	7.97	4.12	6.84
23	5830.00	87.52	321.47	5508.96	349.11	-323.55	475.85	7.82	6.00	5.03
24	5893.00	91.51	324.30	5509.49	399.34	-361.55	538.65	7.76	6.33	4.49
25	5925.00	92.08	324.86	5508.49	425.40	-380.09	570.46	2.50	1.78	1.75
26	5988.00	94.14	325.67	5505.07	477.09	-415.93	632.93	3.51	3.27	1.29
27	6051.00	92.86	325.93	5501.23	529.10	-451.27	695.30	2.07	-2.03	0.41
28	6114.00	91.94	325.31	5498.59	581.05	-486.81	757.76	1.76	-1.46	-0.98
29	6178.00	90.57	325.53	5497.19	633.73	-523.13	821.29	2.17	-2.14	0.34
30	6241.00	89.49	324.89	5497.15	685.47	-559.07	883.86	1.99	-1.71	-1.02
31	6305.00	88.99	324.24	5498.00	737.61	-596.18	947.50	1.28	-0.78	-1.02
32	6368.00	89.26	324.41	5498.96	788.78	-632.91	1010.17	0.51	0.43	0.27
33	6432.00	89.66	323.67	5499.57	840.58	-670.49	1073.87	1.31	0.63	-1.16
34	6495.00	89.13	323.81	5500.23	891.38	-707.75	1136.60	0.87	-0.84	0.22

Well Report



Company : MAR/REG Oil Company
 Well : Tin Cup Mesa 4-26
 Location : San Juan County Utah
 Reference: True North

Page: 2
 Date : 3/19/2012

License : 43-037-30941

UWI #: TX12004

Vertical Section Calculated Along Azimuth 318.53°

KB Elevation = 5120.00ft GR. Elevation = 5107.00ft

	MD	Inc	Azi	TVD	North	East	V'Sect	D'Leg	Build	Turn
	ft	deg	deg	ft	ft	ft	ft	%/100	%/100	%/100
35	6526.00	88.35	323.52	5500.91	916.34	-726.12	1167.47	2.68	-2.52	-0.94
36	6590.00	87.14	323.32	5503.43	967.69	-764.23	1231.19	1.92	-1.89	-0.31
37	6653.00	86.00	323.16	5507.20	1018.08	-801.86	1293.86	1.83	-1.81	-0.25
38	6716.00	87.68	322.53	5510.68	1068.21	-839.85	1356.58	2.85	2.67	-1.00
39	6747.00	87.55	322.89	5511.97	1092.85	-858.62	1387.47	1.23	-0.42	1.16

Bit Projection

EXT	6802.00	87.55	322.89	5514.32	1136.67	-891.77	1442.27	0.00	0.00	0.00
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Bottom Hole Closure 1444.74ft Along Azimuth 321.88°

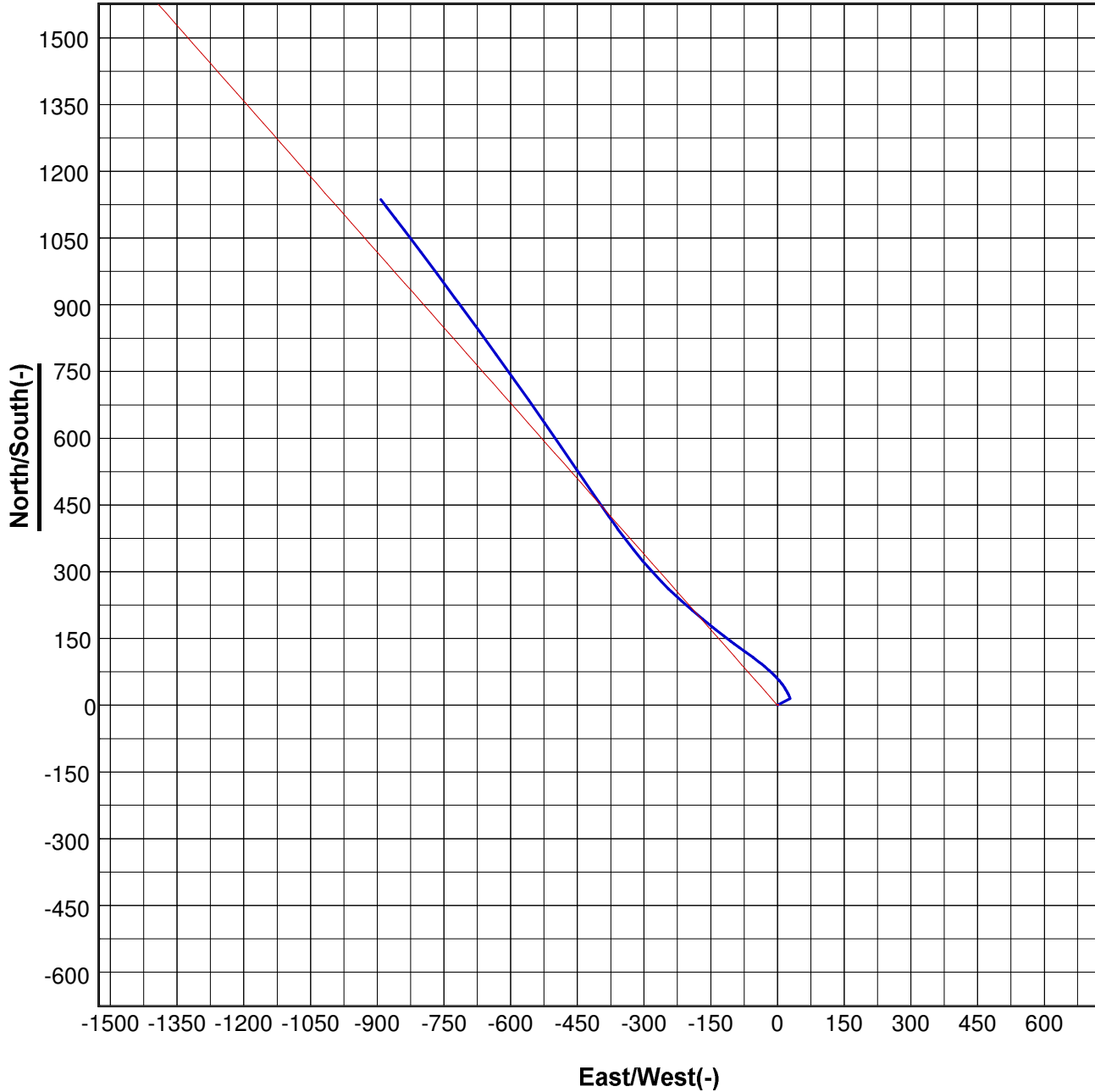
MAR/REG Oil Company
Tin Cup Mesa 4-26
San Juan County Utah



Plan View

— Actual

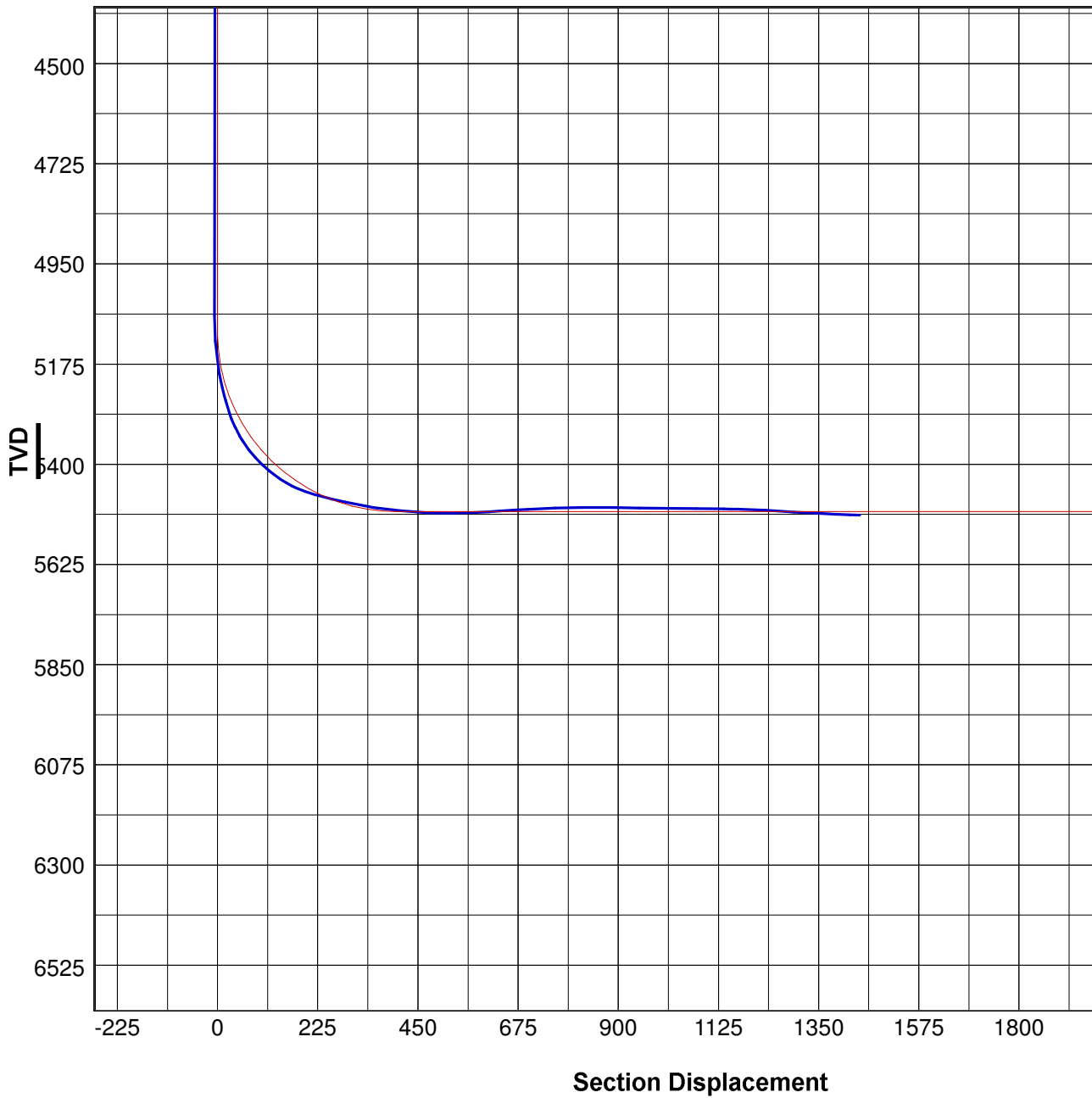
— Plan



Section View

— Actual

— Plan



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: TIN CUP MESA
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: FEDERAL 4-26
2. NAME OF OPERATOR: MAR/REG OIL COMPANY	9. API NUMBER: 43037309410000
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511	9. FIELD and POOL or WILDCAT: TIN CUP MESA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 0720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38.0S Range: 25.0E Meridian: S	COUNTY: SAN JUAN STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/1/2016	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="Casing"/>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

See attached

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: January 18, 2017

By: *Dark Duff*

NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer
SIGNATURE N/A	DATE 10/26/2016	

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
UTU 031928

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Federal 4-26

9. API Well No.
43-037-30941

10. Field and Pool, or Exploratory Area
Tin Cup

11. County or Parish, State
San Juan

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Mar/Reg Oil Company

3a. Address
PO Box 18148, Reno, NV 89511

3b. Phone No. (include area code)
775 852 7444

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1698 FNL & 720 FEL

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Place 5 inch J 55 11.5 #/ft casing from Surface to 6802 feet. Cement to surface and perforate 6402-6800.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) **Tariq Ahmad** Title **Consultant**

Signature **Tariq Ahmad** Date **10/26/2016**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office _____

Title 18 U.S.C. Section 1001 and Title 48 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-31928																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF TRIBAL, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: TIN CUP MESA																														
1. TYPE OF WELL Oil Well	8. WELL NAME and NUMBER: Federal 4-26																															
2. NAME OF OPERATOR: Mar/Reg Oil Company	9. API NUMBER: 43037309410100																															
3. ADDRESS OF OPERATOR: PO Box 18148 , Reno, NV, 89511	PHONE NUMBER: 775-852-7444	9. FIELD and POOL or WILDCAT: TIN CUP MESA																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1698 FNL 720 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 26 Township: 38S Range: 25E Meridian: S		COUNTY: SAN JUAN STATE: UTAH																														
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION	TYPE OF ACTION																															
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 9/2/2022 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%;"><input type="checkbox"/> ACIDIZE</td> <td style="width: 33%;"><input type="checkbox"/> ALTER CASING</td> <td style="width: 33%;"><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input checked="" type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Intent to place well on production. Change broken polished rod																																
<p style="margin: 0;">Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY (This is not an approval) August 23, 2022</p>																																
NAME (PLEASE PRINT) Tariq Ahmad	PHONE NUMBER 775 852-7444	TITLE Petroleum Engineer																														
SIGNATURE N/A	DATE 8/22/2022																															

Form 3160-5
(June 2015)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: January 31, 2018

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No. U-31928

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well
 Oil Well Gas Well Other

7. If Unit of CA/Agreement, Name and/or No.

8. Well Name and No. Federal 4-26

2. Name of Operator Mar/Reg Oil Company

9. API Well No. 43-037-30941

3a. Address PO Box 18148,
Reno, NV 89511

3b. Phone No. (include area code)
(775) 333-6626

10. Field and Pool or Exploratory Area
Tin Cup Mesa

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1485 FNL 720 FEL SEC 26 T38S R25E SLM

11. Country or Parish, State
SAN JUAN UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

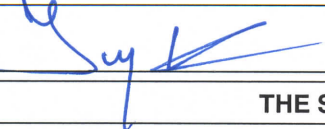
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

Placing well on Production.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)
Tariq Ahmad

Title Petroleum Engineer

Signature 

Date 08/22/0222

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C Section 1001 and Title 43 U.S.C Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)