FILE NOTATIONS

Entered in N I D File ✓
Entered On S R Sheet
Location Map Pinned ✓
Card Indexed —
F W R for State or Fee Land

Checked by Chief PMB
Copy N I D to Field Office —
Approval Letter
Disapproval Letter

COMPLETION DATA:

Date Well Completed 6-28-64
OW WW TA
GW OS PA ✓

Location Inspected
Bond released
State of Fee Land

LOGS FILED

Driller's Log 7-7-64
Electric Logs (No.) 2 ✓
E I E-I GR GR-N Micro
Lat Mi-L Sonic NR Others

Form 9-331a
(Feb. 1951)

CONFIDENTIAL

(SUBMIT IN TRIPLICATE)

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Salt Lake

Lease No. U-035521

Unit

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

USA Pan Am F-1
"Tight Hole"

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL	X	SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

5/22, 19 64

Well No. 1 is located 660 ft. from {N / S} line and 660 ft. from {E / W} line of sec. 13

C NW 1/4 NW 1/4 Sec. 13 (¼ Sec. and Sec. No.) 9S (Twp.) 16E (Range) (Meridian)

Unnamed (Field) Duchesne (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is ____ ft. will advise

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Propose to drill to TD of 6000 ft. Will set 300 ft. 10-3/4" new casing in 15" hole cemented to surface. Will set 6000 ft. new 7" csg in 9" hole w/est. 400 sx. cmt. May core 30' in Green River formation depending on shows and gas logger. Will run IES log surface csg to TD. Will run Gamma Ray Sonic and Digitized dipmeter 2000 ft. to TD. May DST estimated 4 times in Green River. Will set 7" csg through all pay zones. Will perforate and stimulate as necessary and place on production.

CONDITIONS OF APPROVAL ATTACHED

Approved MAY 25 1964
(ORIG. SGD.) R. A. SMITH
District Engineer

RECEIVED
BR. OF OIL & GAS OPERATIONS
MAY 25 1964
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address Box 1400

Riverton, Wyoming

By

Title Area Superintendent

GPO 914974

CONFIDENTIAL

PLUGGING PROGRAM FORM

Name of Company Pan American Verbal Approval Given To: George Ross

Well Name: USA #F-1 (PANAM.) Sec. 13 T. 9S R. 16E County: Duchesne

Verbal Approval was given to plug the above mentioned well in the following manner:

T. D. - 6000 ft (9 in hole) | No Water detected

Surface Pipe - 309 ft - 10 3/4 / 230 sx

mud = 10.5 # weight

Note: Elect log shows one good zone (3787 - 3843)

9 DST: 1) 4740 - 4764 = recovered 90' slightly gas cut mud

2) 5030 - 5086 = 5' mud / slight scum of oil

Cored 5030 - 5085 = Comparable to Walton #1

Elect log tops: sprinkled in Uintah

Green River - 1455

Wasatch - 5920

30 sx across top - 5080 - 5955 (Wasatch)

30 sx 4700 - 4775 - 1st DST and stabilize

30 sx 1415 - 1490 - across Green River

Date Verbally Approved: Jan 26, 1964 Signed: Paul W Burchell

30 sx at base of 10 3/4 (270 - 344)

10 sx at surface / marker.

Form OGCC-1 a

CONFIDENTIAL

STATE OF UTAH

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

"CONFIDENTIAL - TIGHT HOLE"

OIL & GAS CONSERVATION COMMISSION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Pan American Petroleum Corporation

3. ADDRESS OF OPERATOR: Box 1400, Riverton, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660 FNL and 660 FWL Sec. 13 T9S R16E C NW NW
At proposed prod. zone: Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: Est. 30 miles

5. LEASE DESIGNATION AND SERIAL NO.: U-035521

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: USA Pan American

9. WELL NO.: F-1

10. FIELD AND POOL, OR WILDCAT: Wildcat / Unnamed

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 13 T9S R16E

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any): 660

16. NO. OF ACRES IN LEASE: 1120

17. NO. OF ACRES ASSIGNED TO THIS WELL: 80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None

19. PROPOSED DEPTH: 6000

20. ROTARY OR CABLE TOOLS: Rotary

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

22. APPROX. DATE WORK WILL START*:

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32.3#	300'	To surface
9"	7"	20# & 23#	6000'	400 sx.

Propose to drill to TD of 6000 ft. Will set 300 ft. 10-3/4" new casing in 15" hole cemented to surface. Will set 6000 ft. new 7" csg in 9" hole with est. 400 sx. cmt. May core 50' in Green River formation depending on sample shows and gas logger. Will run IES log surface csg to TD. Will run Gamma Ray Sonic and digitized dipmeter 2000 ft. to total depth. May DST estimated 4 times in Green River. Will set 7" csg through all pay zones. Will perforate and stimulate as necessary and place on production.

Confirming Phone Ellison to Cleon Feight 5/25/64

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 J E Long TITLE Area Superintendent DATE 5/22/64

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Form OGCC-1 a

CONFIDENTIAL

STATE OF UTAH

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

"CONFIDENTIAL - TIGHT HOLE"

OIL & GAS CONSERVATION COMMISSION

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
Pan American Petroleum Corporation

3. ADDRESS OF OPERATOR
Box 1400, Riverton, Wyoming

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
660 FNL and 660 FWL Sec. 13 T9S R16E
At proposed prod. zone
Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Est. 30 miles

5. LEASE DESIGNATION AND SERIAL NO.
U-035521

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
USA Pan American

9. WELL NO.
F-1

10. FIELD AND POOL, OR WILDCAT
Wildcat Unnamed

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 13 T9S R16E

12. COUNTY OR PARISH
Duchesne

13. STATE
Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)	16. NO. OF ACRES IN LEASE	17. NO. OF ACRES ASSIGNED TO THIS WELL
660	1120	80
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	**19. PROPOSED DEPTH**	**20. ROTARY OR CABLE TOOLS**
None	6000	Rotary

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

22. APPROX. DATE WORK WILL START*

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	10-3/4"	32.3#	300'	To surface
9"	7"	20# & 23#	6000'	400 sx.

Propose to drill to TD of 6000 ft. Will set 300 ft. 10-3/4" new casing in 15" hole cemented to surface. Will set 6000 ft. new 7" csg in 9" hole with est. 400 sx. cmt. May core 50' in Green River formation depending on sample shows and gas logger. Will run IES log surface csg to TD. Will run Gamma Ray Sonic and digitised dipmeter 2000 ft. to total depth. May DST estimated 4 times in Green River. Will set 7" csg through all pay zones. Will perforate and stimulate as necessary and place on production.

Confirming Phone Ellison to Cleon Feight 5/25/64

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 Original signed J. E. LANG TITLE Area Superintendent DATE 5/22/64

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

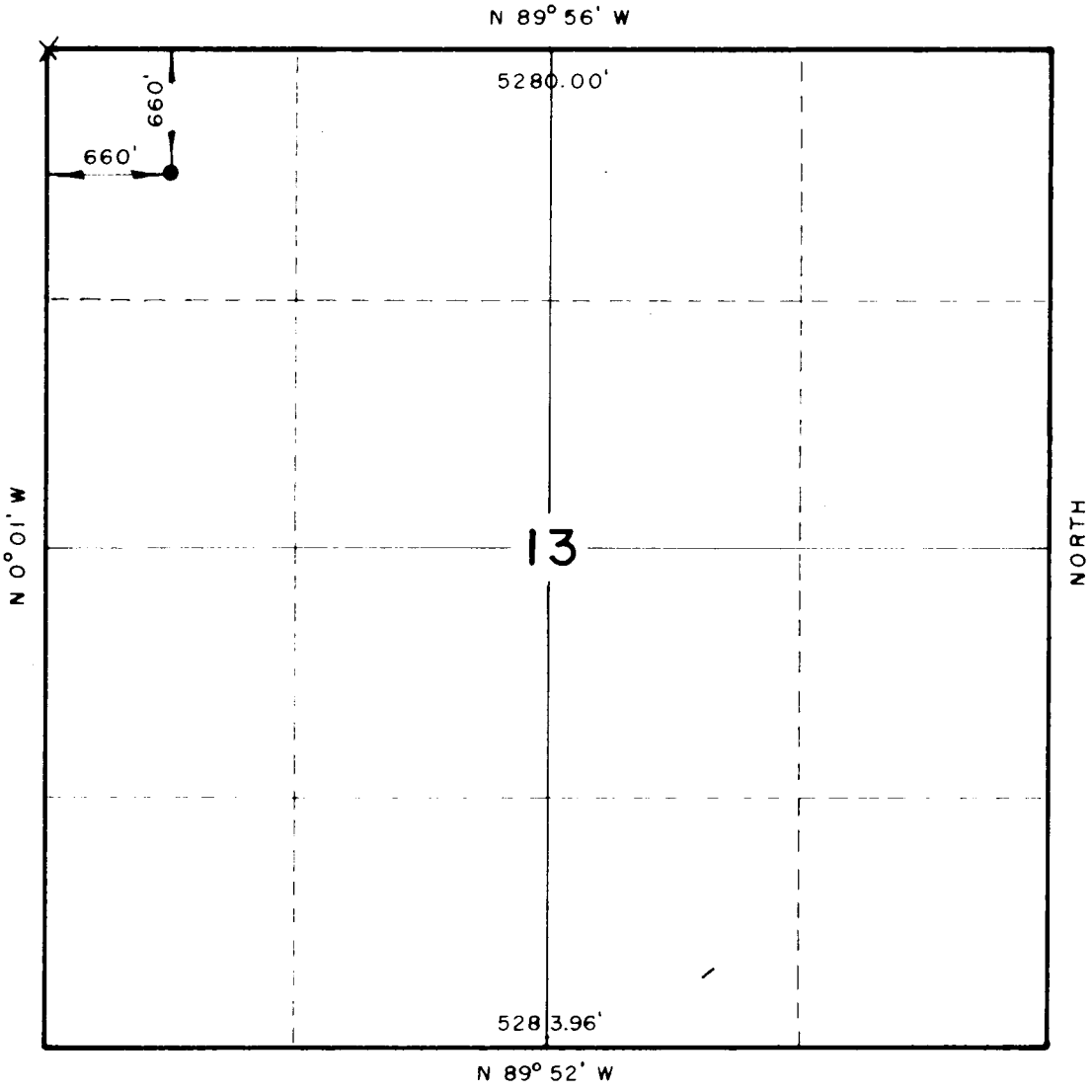
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

T9S, R16E, SLB&M

CONFIDENTIAL



X = Corners Located (Brass Caps)

Scale: 1" = 1000'

Nelson J. Marshall

By: ROSS CONSTRUCTION CO.
Vernal, Utah

CONFIDENTIAL

PARTY N. J. Marshall R. Stewart WEATHER Clear – Warm	SURVEY PAN AMERICAN PETROLEUM CORP. U.S.A. PAN AM FB #1 WELL LOCATION, LOCATED AS SHOWN IN THE NW1/4 NW1/4 OF SECTION 13, T 9 S, R 16 E, SL B & M, DUCHESNE CO., UTAH	DATE May 23, 1964 REFERENCES GLO Plat Approved Sept. 23, 1911 FILE Pan Am

FORM 5211-2

Form 9-331
(Feb. 1951)

Budget Bureau No. 42-R358.4.
Form Approved.

Land Office U-035521

Lease No. _____

Unit _____

USA Pan American F-1
"Tight Hole"

X			
	13		

(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
BR. OF OIL & GAS OPERATIONS
JUN 17 1964
U.S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING Surface	X
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

CONFIDENTIAL TIGHT HOLE

June 15, 1964

Well No. 1 is located 660 ft. from {N / XXX S} line and 660 ft. from {XXX E / W} line of sec. 13

C NW NW Sec. 13 (¼ Sec. and Sec. No.) | 9 S (Twp.) | 16 E (Range) | _____ (Meridian)

Unnamed (Field) | Duchesne (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is unknown ft. RDB to ground 12'

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

At a depth of 310', cemented 297' of 10-3/4" 32.75# H-40 Casing at 309' with 230 sacks. Good circulation.

RECEIVED JUN 19 1964 U.S. GEOLOGICAL SURVEY SALT LAKE CITY, UTAH

Approved JUN 17 1964

(ORIG. SGD.) R. A. SMITH
District Engineer

TIGHT HOLE CONFIDENTIAL

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address P. O. Box 40

Casper, Wyoming 82602

Original Signed By
By O. WISE E. O. Wise

Title District Services Supervisor

GPO 914974

Form 9-331a
(Feb. 1951)

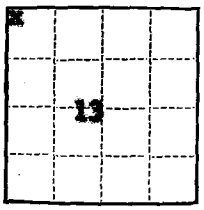
Budget Bureau No. 42-R358.4.
Form Approved.

Land Office Salt Lake

Lease No. U-035521

Unit

USA Pan American F-1
"Tight Hole"



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NOT FOR PUBLIC INSPECTION

RECEIVED
BR. OF OIL & GAS OPERATIONS
JUL 14 1964
U. S. GEOLOGICAL SURVEY
SALT LAKE CITY, UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

July 13, 1964

Well No. 1 is located 660 ft. from {N/S} line and 660 ft. from {E/W} line of sec. 13

NW NW Sec. 13 (¼ Sec. and Sec. No.) | 9S (Twp.) | 16E (Range) | Salt Lake (Meridian)

~~West Pariette Bench~~ Monument Butte (Field) | Duchesne (County or Subdivision) | Utah (State or Territory)

RDB

The elevation of the ~~derrick floor~~ above sea level is 5540 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Well was drilled to a total depth of 6000' without encountering a commercial show of oil or gas. It is our intention to abandon this well by placing cement pluge as follows:

30 sack plug 5880-5995
30 sack plug 4700-4778
30 sack plug 1415-1490
30 sack plug 274-344
10 sack plug at the surface with marker erected.

APPROVED JUL 14 1964
ACTING DISTRICT ENGINEER

Confirming verbal approval Brown to Ross 6-26-64. Will submit Subsequent Report of Abandonment when location has been cleaned and restored to original contour.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Pan American Petroleum Corporation

Address P. O. Box 40

Casper, Wyoming 82602

Original Signed
By E. O. WISE E. O. Wise

Title District Services Supervisor

TIGHT HOLE

GPO 914974

FORM 996 4-63 (10THS)
PRINTED IN U. S. A.

PAN AMERICAN PETROLEUM CORPORATION
WELL STATUS AND PRODUCTION REPORT

ACCT. DEPT. USE	
PAGE 1	42-921
	G2 U1
FLD 990	11 GR

FIELD: EXPL
LEASE: USA PAN AMERICAN F
COUNTY: DUCHESNE STATE: UTAH
FOR MONTH OF: JUNE 1964 TOTAL SALES FOR MONTH NONE BBLS. OIL NONE MCF GAS

TYPE LEASE	GOVERNMENT LEASE NUMBER	WELL NO.	POOL	LOCATION QTR. QTR.	SEC	TWP.	RNG.	WELL TEST DATA (DAILY RATE) TEST DATE MO.	DAY	OIL BBLS.	WATER BBLS.	% WTR	GAS MCF	GAS/OIL RATIO	LS OR TPF	SPM OR CKE	GRAVITY	OIL OR GAS	STATUS	DAYS OPER.	CURRENT MONTH PRODUCTION OIL BARRELS	WATER BARRELS	GAS MCF	CUMULATIVE PRODUCTION OIL BARRELS	WATER BARRELS	GAS MCF
G	U 035521	1	WAS	NWNW	13	9S	16E												72							
													LEASE TOTAL													
													30-DAY DAILY AVERAGE													
													FIELD TOTAL												86	
													30-DAY DAILY AVERAGE													

WELL STATUS
11. FLOWING OIL WELL
12. FLOWING GAS WELL
21. DOWNHOLE ELECTRIC PUMP
22. ROD PUMP - ELECTRIC MOTOR
23. ROD PUMP - GAS ENGINE
24. DOWNHOLE HYDRAULIC PUMP
25. GAS LIFT
31. GAS INJECTION WELL
32. WATER INJECTION WELL
33. WATER SOURCE WELL
34. WATER DISPOSAL WELL
41. SHUT-IN LACK OF MARKET
42. SHUT-IN HIGH GAS - OIL RATIO
43. SHUT-IN HIGH WATER - OIL RATIO
44. SHUT-IN OTHER
51. INACTIVE GAS INJECTION WELL
52. INACTIVE WATER INJECTION WELL
53. INACTIVE WATER SOURCE WELL
54. INACTIVE WATER DISPOSAL WELL
61. TEMPORARILY ABANDONED (EX-PRODUCING WELL)
62. TEMPORARILY ABANDONED (EX-PRODUCING ZONE)
63. TEMPORARILY ABANDONED (DRY HOLE)
64. TEMPORARILY ABANDONED (DRY ZONE)
71. PERMANENTLY ABANDONED ZONE
72. PERMANENTLY ABANDONED WELL
81. DRILLING
82. INCOMPLETE WELL - TESTING
83. ACTIVE RECOMPLETION
84. ACTIVE WORKOVER
91. FACILITY WELL

Form 9-330
(Rev. 5-63)

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

UNITED STATES SUBMIT IN DUPLICATE*
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
(See other instructions on reverse side)

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
Pan American Petroleum Corporation

3. ADDRESS OF OPERATOR
P. O. Box 40, Casper, Wyoming 82602

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface
660 FNL, 660 FWL, NW NW Sec. 13 - T9S-R16E
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
U-035521
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
USA Pan American "Y"
9. WELL NO.
1
10. FIELD AND POOL, OR WILDCAT
Wildcat
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 13 - T9S-R16E
12. COUNTY OR PARISH
Duchesne
13. STATE
Utah

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
6-3-64	6-25-64	Dry Hole	RDB 5540, GRd. 5528	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6000'			→	Surface - 6000	

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

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES, Gamma Ray Sonic, Dipmeter

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
10-3/4"	32.75#	309'	15"	230 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*)
Well not perforated.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

TIGHT HOLE

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
No production		Abandoned

DATE OF TEST	HOURS TESTED	CHOKE 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.*)
TEST WITNESSED BY

35. LIST OF ATTACHMENTS

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

SIGNED s/E. O. Wise E. O. Wise TITLE **District Services Supervisor** DATE **August 5, 1964**

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Cored Interval:			
Core #1:	5030-5086.	Recovered	56'.
Drill Stem Tests:			
DST #1:	4740-4768.		Tool open 5 min. with strong blow. ISI 30 min. Tool open 90 min. with strong blow. Gas to surface in 35 min. Closed tool for a 60 min. final closed in pressure. Recovered 20' slightly gas cut mud, slight oil stain on tool. IHP 2377, FHP 2377, ISIP 1268, F SIP 1815, IFP 48, FFP 32.
DST #2:	5030-5086.		Initial open 5 min., ISI 30 min. Tool open 1 hr. FSI 60 min. Opened with very weak blow. Tool open with very weak blow and died in 10 min. Recovered 5' of oil with slight scum of oil. IHP 2501, FHP 2501, IFP 21, FFP 21, ISIP 43, FSIP 43. Bottom hole temperature 140°.
DST #3:	3802-3863.		Tool opened with very weak blow for 20 min. Rosted tool for a 60 min. initial closed in pressure. Reopned tool with no blow, increasing to very weak blow in 12 min. Took a 60 min. final closed in pressure. No gas to surface. IHP 1904, FHP 1904, IFP 265, FFP 319, ISIP 1466, FSIP 1345.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Log Tops:		
Green River	1458'	
Garden Gulch	3625'	
Garden Gulch "K"	4636'	
Garden Gulch "T"	5010'	
Wasatch	5920'	
Plugging Record:		
30 sack plug	5880-5995	
30 sack plug	4700-4775	
30 sack plug	1415-1490	
30 sack plug	274- 344	
10 sack plug at the surface with dry hole marker.		

AUG 1 1964

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

Exhibit "D"
Page 1 of 4

CULTURAL RESOURCE INVENTORY OF INLAND RESOURCES' FOUR 40-ACRE PARCELS NEAR PARIETTE BENCH (T 9S, R 17E, Sec. 20; T 9S, R 16E, Sec.13; T 8S, R 17E, Sec. 23 and 25), UINTAH AND DUCHESNE COUNTIES, UTAH.

by

Andy Wakefield
and
Keith R. Montgomery

Prepared For:

Bureau of Land Management
Vernal Field Office

Prepared Under Contract With:

Inland Resources
Route 3, Box 3630
Myton, UT 84052

Prepared By:

Montgomery Archaeological Consultants
P.O. Box 147
Moab, Utah 84532

MOAC Report No. 04-201

August 18, 2004

United States Department of Interior (FLPMA)
Permit No. 04-UT-60122

State of Utah Antiquities Project (Survey)
Permit No. U-04-MQ-0782b

May 26, 1964

PAN AMERICAN PETROLEUM CORPORATION
Box 1400
Riverton, Wyoming

Attention: Mr. J. E. Lang, Area Superintendent

Re: Notice of Intention to Drill Well No. USA PAN AMERICAN F-#1, 660' FNL & 660' FWL, C NW NW of Section 13, T. 9 S. R. 16 E., Duchesne County, Utah.

Gentlemen:

This letter is to confirm verbal approval given by Cleon B. Feight on May 25, 1964. However, this approval is conditional upon a surveyor's plat being furnished this office in accordance with Rule C-4(a), General Rules and Regulations and Rules of Practice and Procedure, Utah State Oil and Gas Conservation Commission.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer
Office: DA 8-5771 or DA 8-5772
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drill, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON B. FEIGHT
EXECUTIVE DIRECTOR

CBF:kgw
cc: Rodney Smith, Dist. Eng., U. S. Geological Survey, Salt Lake City, Utah
H. L. Coonts, Pet. Eng., Oil & Gas Conservation Commission, Moab, Utah

FORM OGCC-8-X

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
310 NEWHOUSE BUILDING
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: USA Pan American "F"

Operator Pan American Petroleum Corp **Address** P.O. Box 40 Casper Wyo. **Phone** 307-235-1341

Contractor Exeter Drilling Company **Address** P.O. Box 813 Casper, Wyo **Phone** _____

Location: NW ¼ NW ¼ Sec. 13 T. 9 S R. 16 E Duchesne County, Utah.

Water Sands: See remarks.

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.				
2.				
3.				
4.				
5.				

(Continued on reverse side if necessary)

Formation Tops:

Green River	1458
Garden Gulch	3625
Garden Gulch "K"	4636
Garden Gulch "T"	5010
Wasatch	5920

Remarks: water producing capacity tests were not taken on this well and is not known except as indicated by Drill Stem Tests.

NOTE: (a) Upon diminishing supply of forms, please inform the Commission
(b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure. (See back of form)

August 27, 1964

Pan American Petroleum Corporation
P. O. Box 40
Casper, Wyoming 82602

Attention: Mr. E. O. Wise, District Services Supervisor

Re: Well No. USA Pan American F-#1
Sec. 13, T. 9 S., R. 16 E.,
Duchesne County, Utah

Gentlemen:

This letter is to advise you that the electric and/or radioactivity logs for the above mentioned well are due and have not been filed with this Commission as required by our rules and regulations.

Please be advised that all information will be held confidential.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

KATHY G. WARNER
RECORDS CLERK

KGW:be

NEWFIELD

February 3, 2005

State of Utah
Division of Oil, Gas & Mining
Attn: Diana Whitney
1594 West North Temple - Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

RE: Applications for Permit to Drill: Pan American #1FR-9-16.

Dear Diana:

Enclosed an find APD on the above referenced well. This is an application to re-enter a plugged well. If you have any questions, feel free to give either Brad or myself a call.

Sincerely,

Mandie Crozier
Regulatory Specialist

mc
enclosures

RECEIVED
FEB 11 2005
DIV. OF OIL, GAS & MINING

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-75039

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: ☐ DRILL ☒ REENTER

7. If Unit or CA Agreement, Name and No.: N/A

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.: Pan American #1FR-9-16

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-10822

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*

At surface NW/NW 663' FNL 663' FWL 578999X 40.036264

At proposed prod. zone 4431983Y -110.074062

11. Sec., T., R., M., or Blk. and Survey or Area: NW/NW Sec. 13, T9S R16E

14. Distance in miles and direction from nearest town or post office*: Approximatley 18.2 miles south of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 663' f/lse, NA f/unit

16. No. of Acres in lease: 80.00

17. Spacing Unit dedicated to this well: 40 Acres

18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 4181'

19. Proposed Depth: 6000'

20. BLM/BIA Bond No. on file: UTU0056

21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5529' GL

22. Approximate date work will start*: 2nd Quarter 2005

23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature: Mandie Crozier — Name *(Printed/Typed)*: Mandie Crozier — Date: 2/3/05

Title: Regulatory Specialist

Approved by *(Signature)*: — Name *(Printed/Typed)*: BRADLEY G. HILL — Date: 02-15-05

Title: ENVIRONMENTAL SCIENTIST III

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

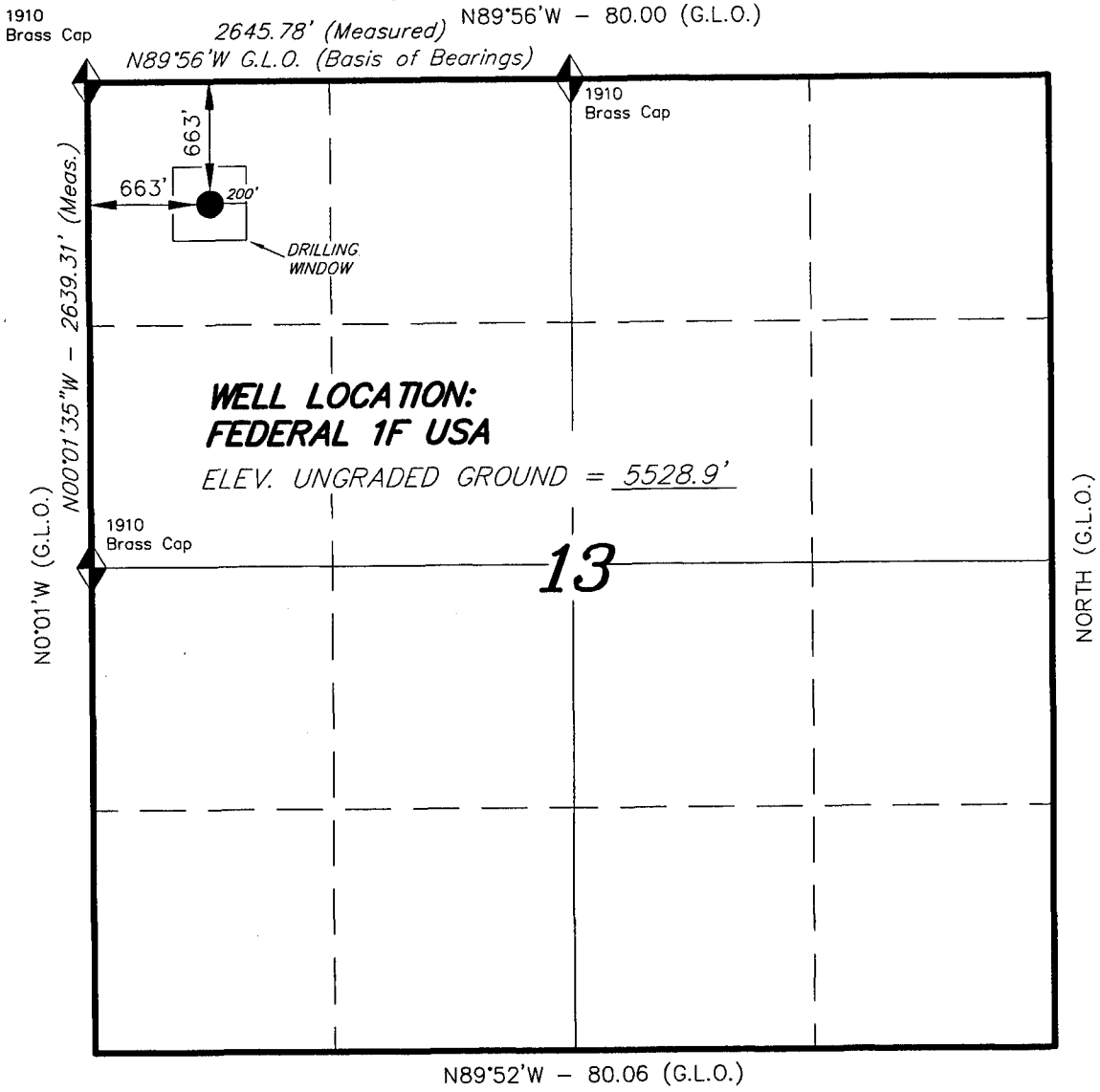
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
FEB 11 2005
DIV. OF OIL, GAS & MINING

Federal Approval of this Action is Necessary

T9S, R16E, S.L.B.&M.



◆ = SECTION CORNERS LOCATED

BASIS OF ELEV; U.S.G.S. 7–1/2 min QUAD (MYTON SE)

INLAND PRODUCTION COMPANY

WELL LOCATION, FEDERAL 1F USA, LOCATED AS SHOWN IN THE NW 1/4 NW 1/4 OF SECTION 13, T9S, R16E, S.L.B.&M. DUCHESNE COUNTY, UTAH.

N

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 189377
STATE OF UTAH

REGISTERED LAND SURVEYOR
REG. NO. 189377
STACY W. STEWART
STATE OF UTAH

TRI STATE LAND SURVEYING & CONSULTING
180 NORTH VERNAL AVE. – VERNAL, UTAH 84078
(435) 781–2501

SCALE: 1" = 1000'	SURVEYED BY: D.J.S.
DATE: 3–12–04	DRAWN BY: R.V.C.
NOTES:	FILE #

NEWFIELD PRODUCTION COMPANY
PAN AMERICAN #1FR-9-16
NW/NW SECTION 13, T9S, R16E
DUCHESNE COUNTY, UTAH

TEN POINT RE-ENTRY PROGRAM

1. **GEOLOGIC SURFACE FORMATION:**
Uinta formation of Upper Eocene Age

2. **ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:**

Uinta	0 – 1453'
Green River	1453'
Wasatch	6000'

3. **ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:**
Green River Formation 1453' – 6000' – Oil

4. **PROPOSED CASING PROGRAM:**
Existing Surface Casing: Previously set at 309' of 10-3/4" 32.75#
Production Casing:5-1/2" J-55, 15.5# w/LT&C collars; set at TD (New or used, inspected).

5. **MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:**
The operator's minimum specifications for pressure control equipment are as follows:

An 8" Double Ram Hydraulic unit with a closing unit will be utilized. Function test of BOP's will be check daily.

Refer to **Exhibit C** for a diagram of BOP equipment that will be used on this well.

6. **TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATION MUDS:**
This well will be re-entered and plugs will be drilled out with fresh water and KCL or KCL substistute. If necessary, to control formation fluids, the system will be weighted with the addition of bentonite gel, and if conditions warrant, barite. This fresh water system typically will contain Total Dissolved Solids (TDS) of less than 3000 PPM. Neither potassium chloride nor chromates will be utilized in the fluid system. The anticipated mud weight is 8.4 ppg and weighted as necessary for gas control.

MUD PROGRAM	**MUD TYPE**
309' – 6000'	fresh water system

7. **AUXILIARY SAFETY EQUIPMENT TO BE USED:**
Auxiliary safety equipment will be a Kelly Cock, bit float, and a TIW valve with drill pipe threads.

8. **TESTING, LOGGING AND CORING PROGRAMS:**
The logging program will consist of a Dual Induction, Gamma Ray and Caliper log from TD to base of surface casing @ 309' , and a Compensated Neutron-Formation Density Log from TD to 3500' +-. A cement bond log will be run from PBTD to cement top.

9. **ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:**
The anticipated maximum bottom hole pressure is 1800 psi. It is not anticipated that abnormal temperatures will be encountered; or that any other abnormal hazards such as H2S will be encountered in this area.

10. **ANTICIPATED STARTING DATE AND DURATION OF THE OPERATIONS:**
It is anticipated that the re-entry operations will commence the second quarter of 2005, and take approximately four (4) days to complete.

NEWFIELD PRODUCTION COMPANY
PAN AMERICAN #1FR-9-16
NW/NW SECTION 13, T9S, R16E
DUCHESNE COUNTY, UTAH

THIRTEEN POINT SURFACE PROGRAM

1. **EXISTING ROADS**
See attached **Topographic Map "A"**

To reach Newfield Production Company well location site Pan American #1FR-9-16 located in the NW¼ NW¼ Section 13, T9S, R16E, S.L.B. & M., Duchesne County, Utah:

Proceed southwesterly out of Myton, Utah along Highway 40 - 1.6 miles ± to the junction of this highway and UT State Hwy 53; proceed southeasterly along Hwy 53 – 12.6 miles ± to it's junction with an existing dirt road to the southwest; proceed southwesterly – 2.4 miles ± to it's junction with an existing road to the south; proceed southeasterly and then southwesterly – 1.6 miles ± to it's junction with the beginning of the proposed access road; proceed southwesterly along the proposed access road 685'± to the proposed well location.

The highways mentioned in the foregoing paragraph are bituminous surfaced roads to the point where Highway 216 exists to the South, thereafter the roads are constructed with existing materials and gravel. The highways are maintained by Utah State road crews. All other roads are maintained by County crews.

The aforementioned dirt oil field service roads and other roads in the vicinity are constructed out of existing native materials that are prevalent to the existing area they are located in and range from clays to a sandy-clay shale material.

The roads for access during the re-entry process will be maintained at the standards required by the State of Utah, or other controlling agencies. This maintenance will consist of some minor grader work for smoothing road surfaces and for snow removal.

2. **PLANNED ACCESS ROAD**
Approximately 685' of access road is proposed. See attached **Topographic Map "B"**.

The proposed access road will be an 18' crown road (9' either side of the centerline) with drainage ditches along either side of the proposed road whether it is deemed necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area. The maximum grade is less than 8%.

A 24" culvert will be installed along the proposed access road.

There are no fences encountered along this proposed road. There are no new gates or cattle guards required.

All construction material for this access road was borrowed material accumulated during construction of the access road.

3. **LOCATION OF EXISTING WELLS**
Refer to **EXHIBIT B**.

4. **LOCATION OF EXISTING AND/OR PROPOSED FACILITIES**

There are no existing facilities that will be used by this well.

It is anticipated that this well will be a producing oil well.

Upon construction of a tank battery, the well pad will be surrounded by a dike of sufficient capacity to contain at minimum 110% of the largest tank volume within the facility battery.

Tank batteries will be built to BLM specifications.

All permanent (on site for six (6) months or longer) structures, constructed or installed (including pumping units), will be painted Desert Tan. All facilities will be painted within six months of installation.

5. **LOCATION AND TYPE OF WATER SUPPLY**

Fresh water purchased from the Johnson Water District will be used for drilling. A temporary poly pipeline may be used for water transportation from our existing supply line from Johnson Water District, or trucked from Newfield Production Company's injection facilities – **EXHIBIT A.**

There will be no water well drilled at this site.

A 2" dry gas line will be run along the existing access road to supply dry gas to the rig.

6. **SOURCE OF CONSTRUCTION MATERIALS**

All construction material for this location shall be borrowed material accumulated during construction of the location site and access road.

A mineral material application is not required for this location.

7. **METHODS FOR HANDLING WASTE DISPOSAL**

A small reserve pit (40' x 40' x 8' deep, or less) will be constructed from native soil and clay materials. The reserve pit will receive the cement cuttings removed from the wellbore. Any drilling fluids, which do accumulate in the pit as a result of shale-shaker carryover, cleaning of the sand trap, etc., will be promptly reclaimed. All drilling fluids will be fresh water based, typically containing Total Dissolved Solids of less than 3000 PPM. No potassium chloride, chromates, trash, debris, nor any other substance deemed hazardous will be placed in this pit. Therefore, it is proposed that no synthetic liner be required in the reserve pit. However, if upon constructing the pit there is insufficient fine clay and silt present, a liner will be used for the purpose of reducing water loss through percolation.

A portable toilet will be provided for human waste.

A trash basket will be provided for garbage (trash) and hauled away to an approved disposal site at the completion of the drilling activities.

Immediately upon first production, all produced water will be confined to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

8. **ANCILLARY FACILITIES:**

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9. **WELL SITE LAYOUT:**
See attached Location Layout Sheet.

Fencing Requirements
All pits will be fenced according to the following minimum standards:

a) A 39-inch net wire shall be used with at least one strand of barbed wire on top of the net.

b) The net wire shall be no more than two (2) inches above the ground. The barbed wire shall be three (3) inches above the net wire. Total height of the fence shall be at least forty-two (42) inches.

c) Corner posts shall be centered and/or braced in such a manner to keep tight at all times

d) Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than sixteen (16) feet.

e) All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

The reserve pit fencing will be on three (3) sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **PLANS FOR RESTORATION OF SURFACE:**

a) **Producing Location**
Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, material, trash and junk not required for production.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximated natural contours. Weather permitting, the reserve pit will be reclaimed within one hundred twenty (120) days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed.

b) **Dry Hole Abandoned Location**
At such time as the well is plugged and abandoned, the operator shall submit a subsequent report of abandonment and the State of Utah will attach the appropriate surface rehabilitation conditions of approval.

The following seed mixture will be used on the topsoil stockpile, to the recontoured surface of the reserve pit, and for final reclamation: (All poundages are in pure live seed)

Gardner Saltbush	*Atriplex gardneri*	4 lbs/acre
Galleta Grass	*Hilaria jamesii*	4 lbs/acre
Shadscale	*Atriplex centertifolia*	3 lbs/acre
Black Sagebrush	*Artemisia nova*	1 lbs/acre

11. **SURFACE OWNERSHIP:** Bureau of Land Management

12. **OTHER ADDITIONAL INFORMATION:**

Newfield Production Company is responsible for informing all persons in the area who are associated with this project that they will be subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, Newfield is to immediately stop work that might further disturb such materials and contact the Authorized Officer.

Newfield Production will control noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. On State administered land it is required that a Pesticide Use Proposal shall be submitted and given approval prior to the application of herbicides or other possible hazardous chemicals.

Drilling rigs and/or equipment used during re-entry operations on this well site will not be stacked or stored on State Lands after the conclusion of drilling operations or at any other time without State authorization. However, if State authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

Newfield Production Company requests a 2495' ROW in Lease UTU-035521A and 685' of disturbed area be granted in Lease UTU-75039 to allow for construction of the proposed gas lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a 6" gas gathering line, and a 3" poly fuel gas line. Both lines will tie in to the existing pipeline infrastructure. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP.

Newfield Production Company requests a 2495' ROW in Lease UTU-035521A and 685' of disturbed area be granted in Lease UTU-75039 to allow for construction of the proposed water lines. It is proposed that the ROW and disturbed area will be 50' wide to allow for construction of a buried 3" steel water injection line and a 3" poly water return line. **Refer to Topographic Map "C."** For a ROW plan of development, please refer to the Monument Butte Field SOP

The Archaeological Resource Survey and Paleontological Resource Survey for this area are attached. MOAC Report #04-201, 8/18/04. Paleontological Resource Survey prepared by, Wade E. Miller, 1/8/04. See attached report cover pages, Exhibit "D".

Threatened, Endangered, And Other Sensitive Species
Golden Eagle: Due to this proposed well access roads proximity (less that 0.5 mile) to an existing inactive golden eagle nest site, no new construction or surface disturbing activities will be allowed between February 1 and July 15. If the nest remains inactive on July 15th (based on a pre-construction survey by a qualified biologist), the operator may construct and drill the location between July 15 and February 1 of the following year. If the nest site becomes active prior to July 15, no new construction or surface disturbing activities will be allowed within 0.5 mile of the nest until the nest becomes inactive for two full breeding seasons. In the event that this well becomes a producing well, it must be equipped with a multi-cylinder engine or hospital muffler to reduce noise levels.

Details of the On-Site Inspection
The proposed Pan American #1FR-9-16 was on-sited on 11/5/03. The following were resent; Brad Mecham (Newfield Production), David Gerbig (Newfield Production), Byron Tolman (Bureau of Land Management), and a SWCA representative. Weather conditions were clear @ 30 degrees.

Additional Surface Stipulations
All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws and regulations, Onshore Oil and Gas Orders, the approved plan of operations and any applicable Notice to Lessees. A copy of these conditions will be furnished to the field representative to ensure compliance.

Hazardous Material Declaration
Newfield Production Company guarantees that during the drilling and completion of the Pan American #1FR-9-16, Newfield will not use, produce, store, transport or dispose 10,000# annually of any of the hazardous chemicals contained in the Environmental Protection Agency's consolidated list of chemicals subject to reporting under Title III Superfund Amendments and Reauthorization Act (SARA) of 1986. Newfield also guarantees that during the drilling and completion of the Pan American #1FR-9-16 Newfield will use, produce, store, transport or dispose less than the threshold planning quantity (T.P.Q.) of any extremely hazardous substances as defined in 40 CFR 355.

A complete copy of the approved APD, if applicable, shall be on location during the construction of the location and drilling activities.

Newfield Production Company or a contractor employed by Newfield Production shall contact the State office at (801) 722-3417, 48 hours prior to construction activities.

The BLM office shall be notified upon site completion prior to moving on the drilling rig.

13. **LESSEE'S OR OPERATOR'S REPRENSENTATIVE AND CERTIFICATION:**

Representative

Name:	Brad Mecham
Address:	Newfield Production Company
	Route 3, Box 3630
	Myton, UT 84052
Telephone:	(435) 646-3721

Certification

Please be advised that NEWFIELD PRODUCTION COMPANY is considered to be the operator of well #1FR-9-16, NW/NW Section 13, T9S, R16E, LEASE #UTU-75039, Duchesne County, Utah and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by Hartford Accident #4488944.

I hereby certify that the proposed drill site and access route have been inspected, and I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and that the work associated with the operations proposed here will be performed by Newfield Resources, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of the 18 U.S.C. 1001 for the filing of a false statement.

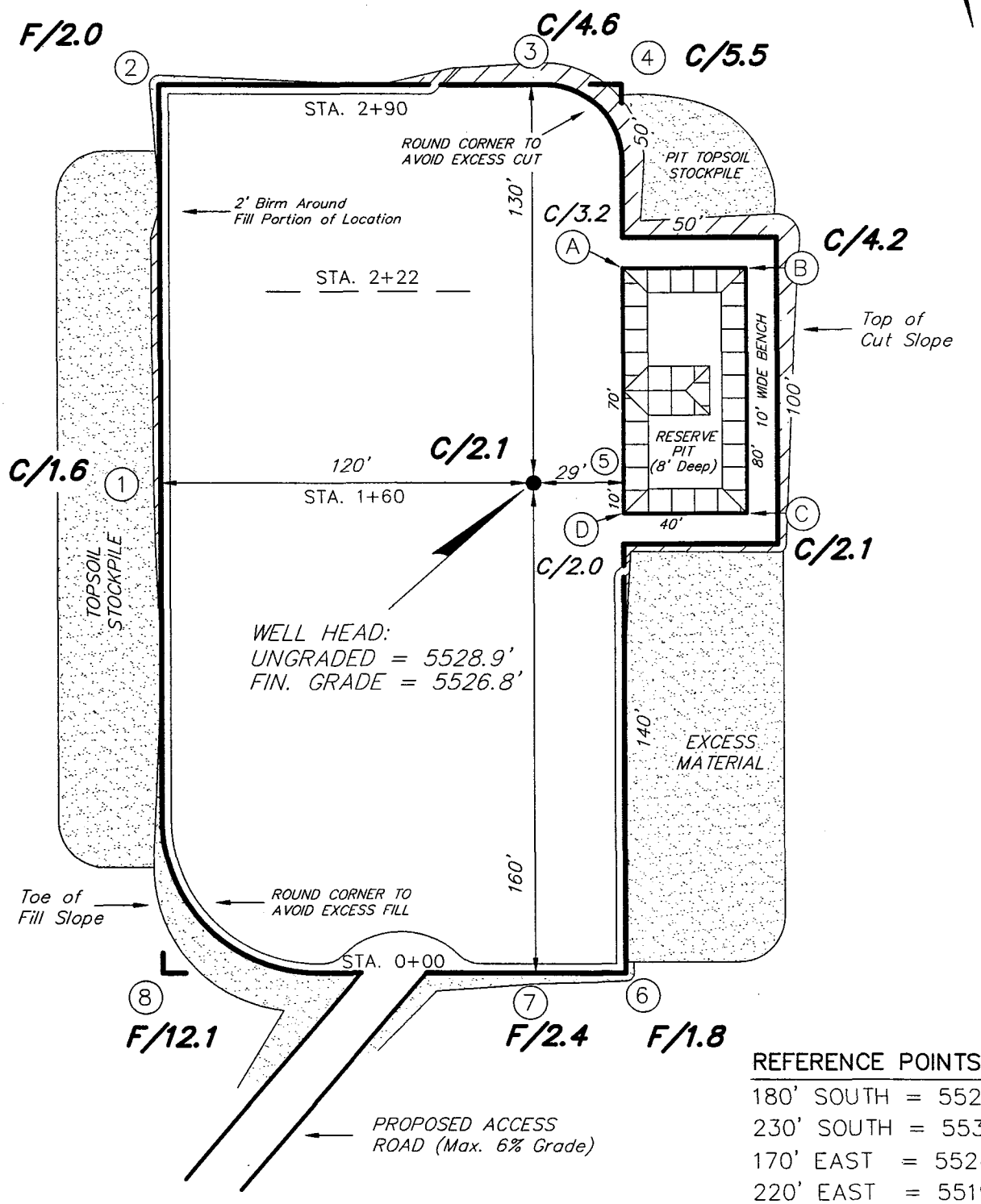
2/13/06
Date

Mandie Crozier
Regulatory Specialist
Newfield Production Company

INLAND PRODUCTION COMPANY

FEDERAL 1F USA

SECTION 13, T9S, R16E, S.L.B.&M.



REFERENCE POINTS

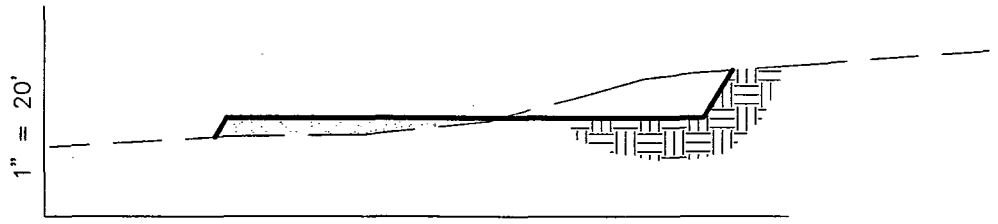
180' SOUTH = 5529.8'
230' SOUTH = 5530.2'
170' EAST = 5524.6'
220' EAST = 5519.2'

SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: R.V.C.	DATE: 3-12-04	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	

INLAND PRODUCTION COMPANY

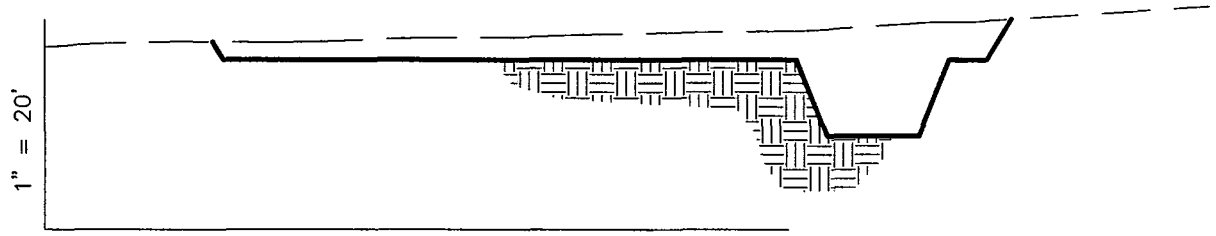
CROSS SECTIONS

FEDERAL 1F USA



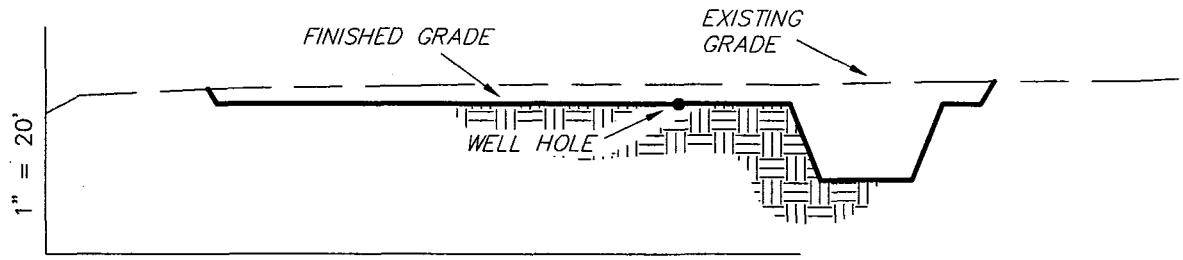
1" = 50'

STA. 2+90



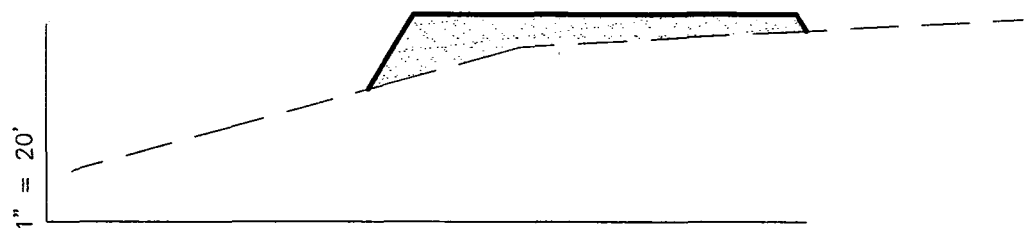
1" = 50'

STA. 2+22



1" = 50'

STA. 1+60



1" = 50'

STA. 0+00

ESTIMATED EARTHWORK QUANTITIES
(No Shrink or swell adjustments have been used)
(Expressed in Cubic Yards)

ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	2,100	2,100	Topsoil is not included in Pad Cut	0
PIT	640	0		640
TOTALS	2,740	2,100	890	640

NOTE:
UNLESS OTHERWISE NOTED
ALL CUT/FILL SLOPES ARE
AT 1.5:1

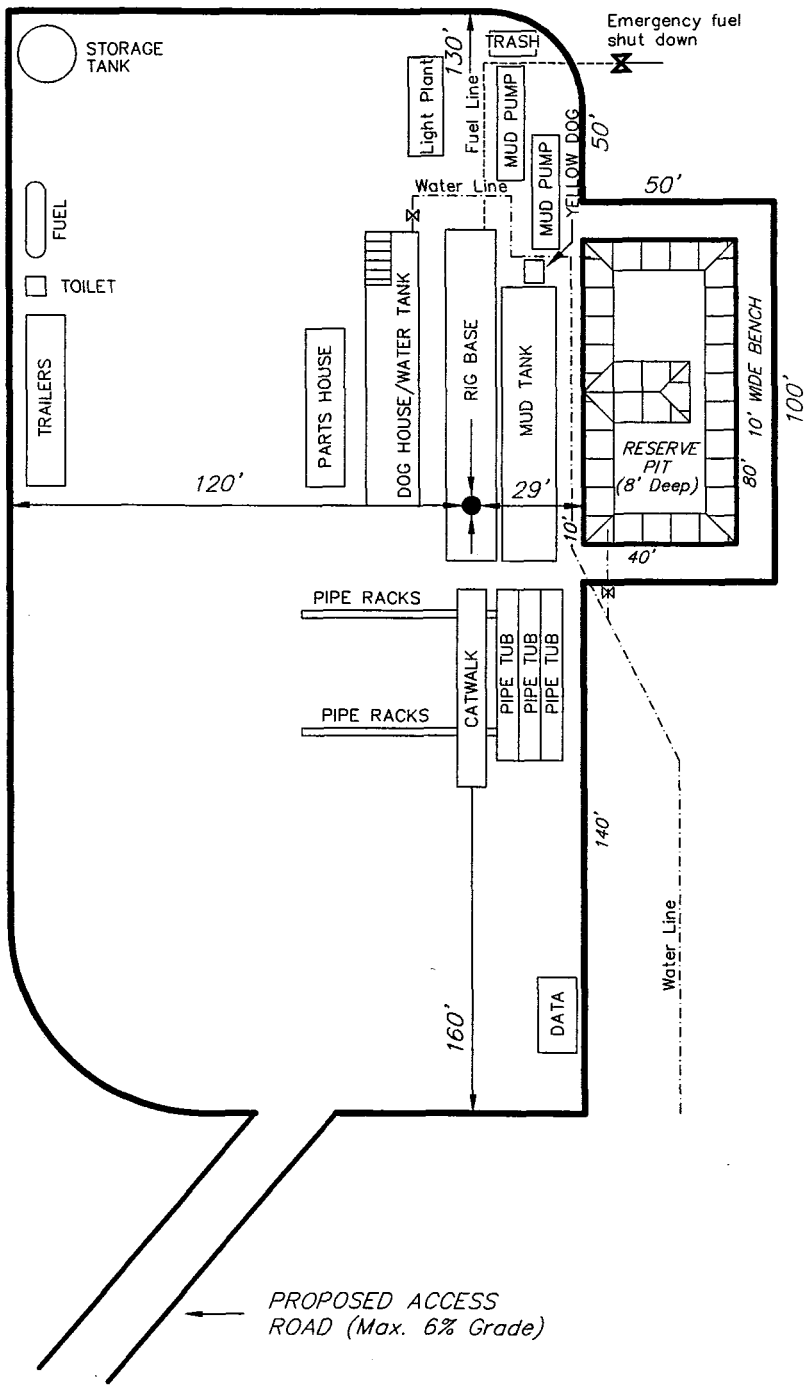
SURVEYED BY:	D.J.S.	SCALE:	1" = 50'
DRAWN BY:	R.V.C.	DATE:	3-12-04

Tri State Land Surveying, Inc.
(435) 781-2501
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

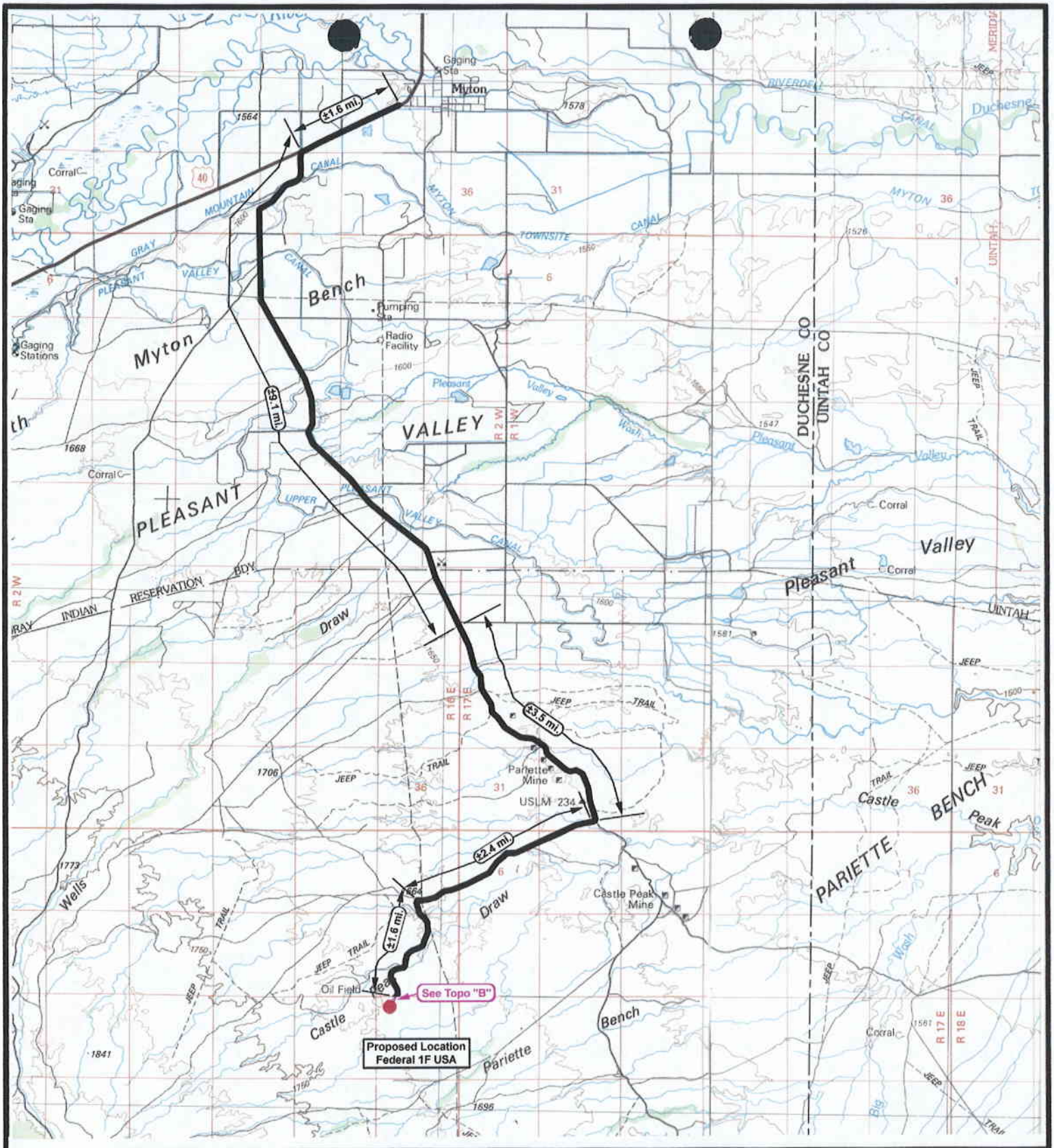
INLAND PRODUCTION COMPANY

TYPICAL RIG LAYOUT

FEDERAL 1F USA



SURVEYED BY: D.J.S.	SCALE: 1" = 50'	Tri State Land Surveying, Inc.	(435) 781-2501
DRAWN BY: R.V.C.	DATE: 3-12-04	180 NORTH VERNAL AVE. VERNAL, UTAH 84078	



Inland RESOURCES INC

Federal 1F USA
SEC. 13, T9S, R16E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

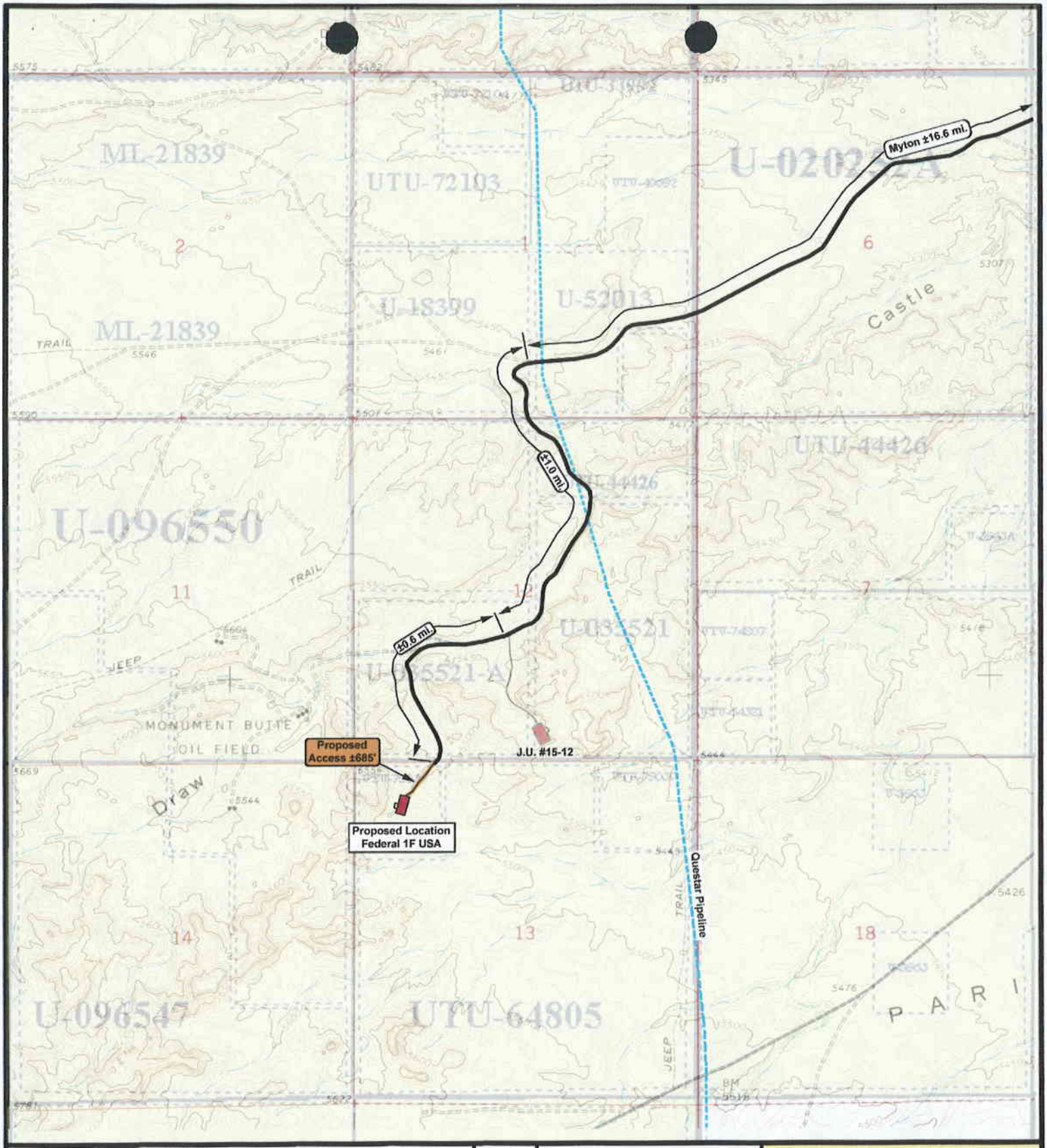
Legend

- Existing Road
- Proposed Access

SCALE:	1 = 100,000
DRAWN BY:	bgm
DATE:	06-24-2004

TOPOGRAPHIC MAP

"A"



Inland RESOURCES INC.

Federal 1F USA
SEC. 13, T9S, R16E, S.L.B.&M.

N

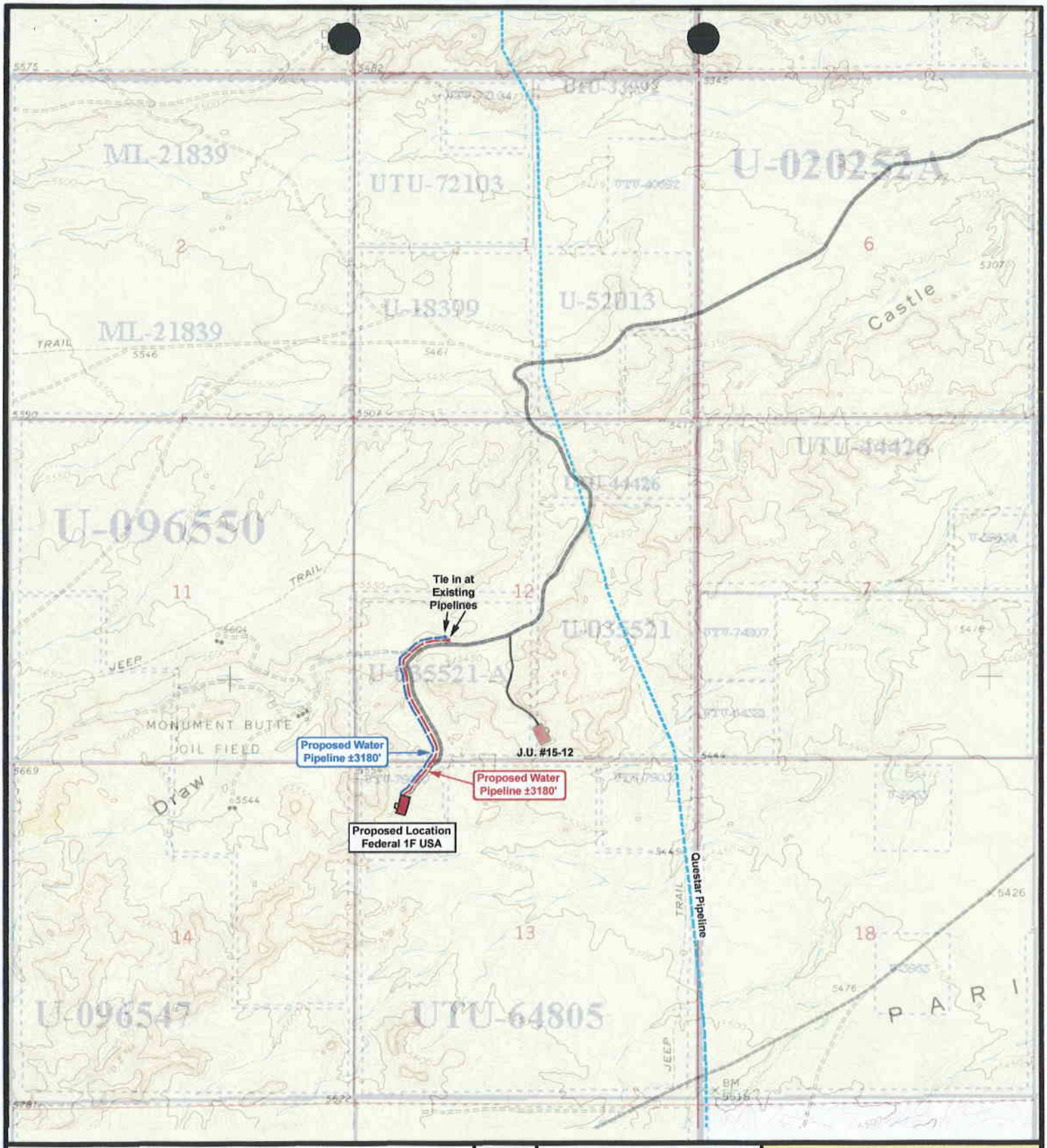
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

Legend

- Existing Road
- Access to Upgrade
- Questar Pipeline

SCALE: 1" = 2000'
DRAWN BY: bgm
DATE: 06-24-2004

TOPOGRAPHIC MAP "B"



Inland RESOURCES INC.

Federal 1F USA
SEC. 13, T9S, R16E, S.L.B.&M.

N

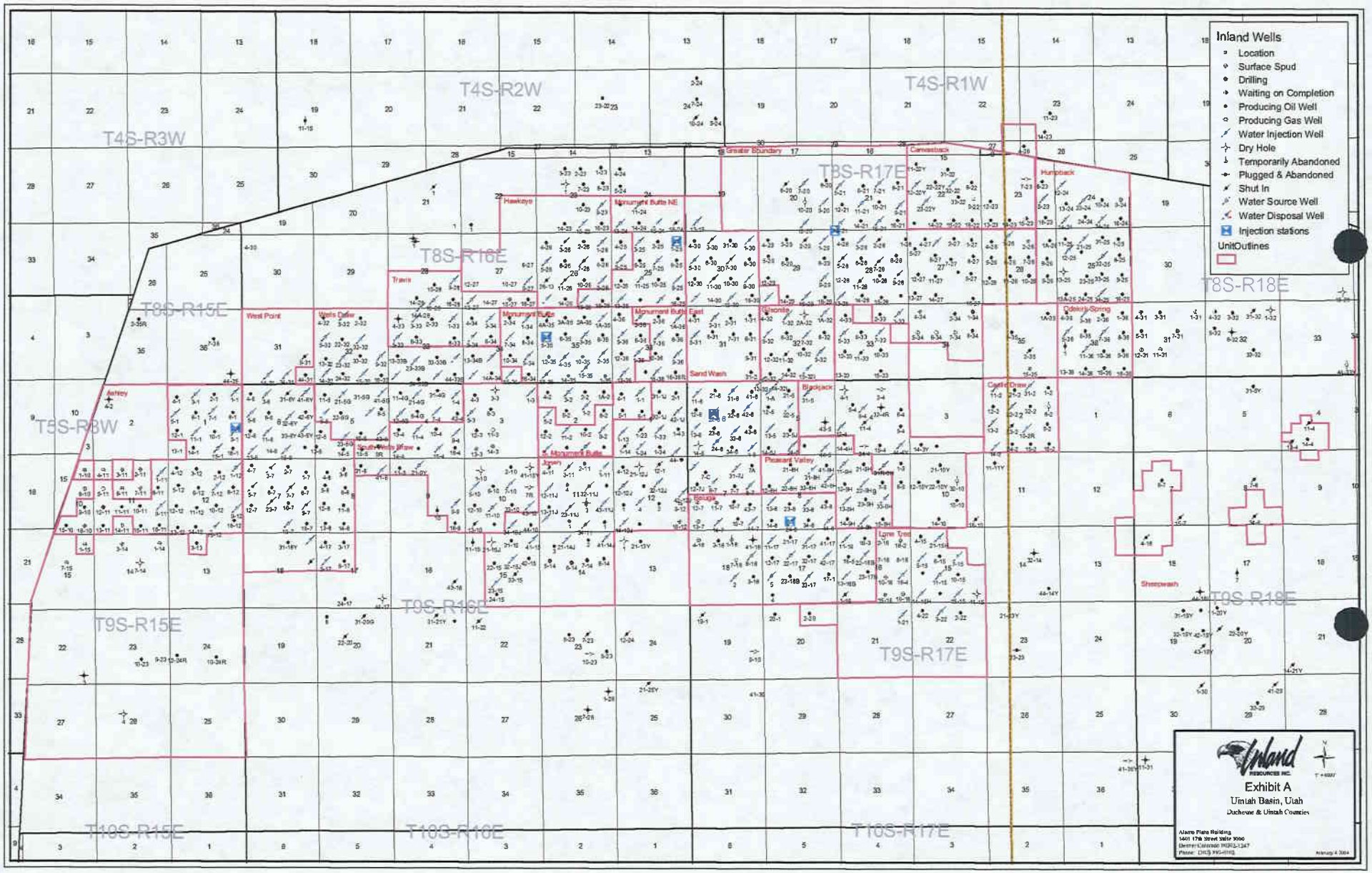
Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

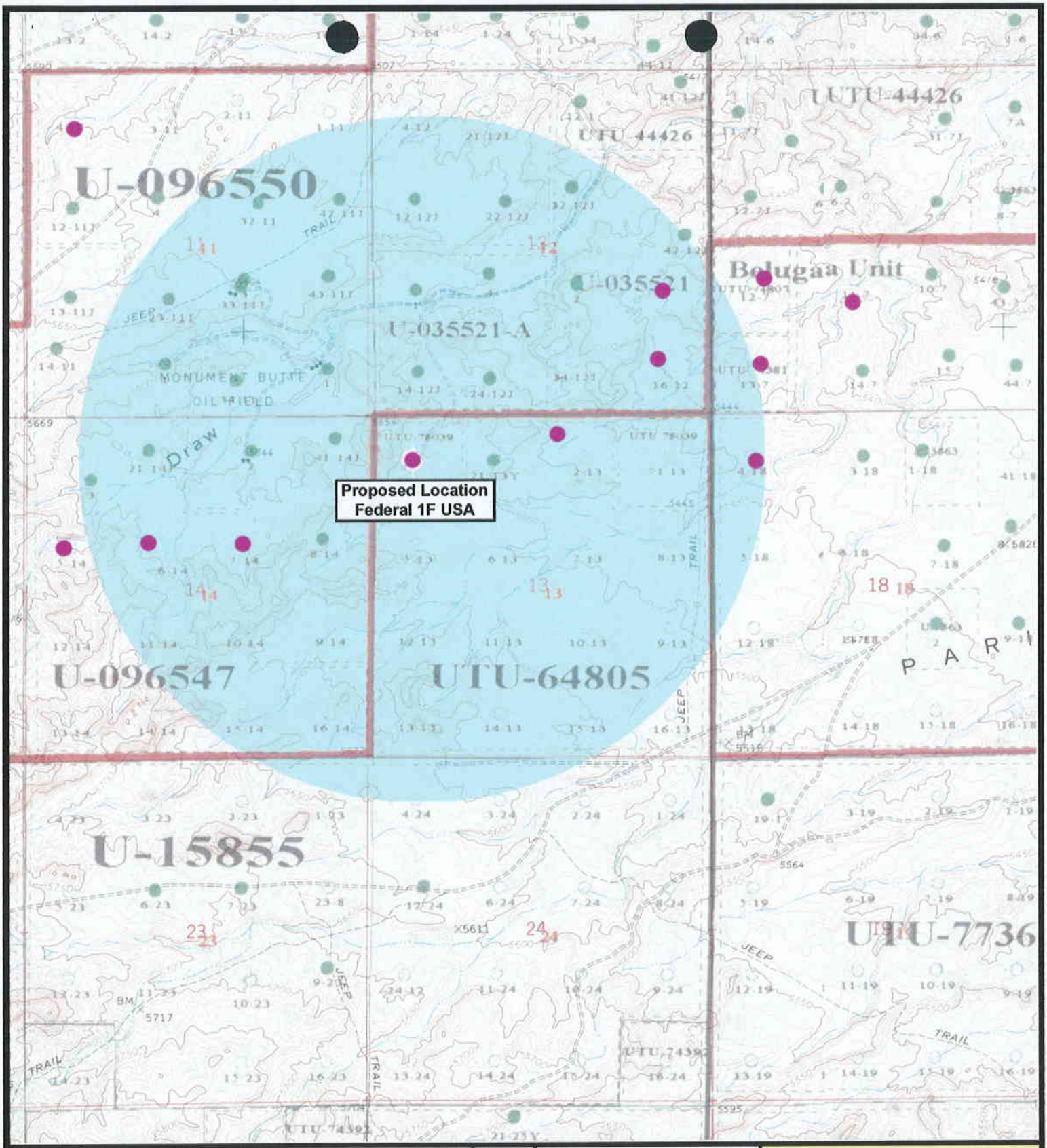
Legend

- Existing Road
- Proposed Gas Line
- Proposed Water Line
- Questar Pipeline

SCALE: 1" = 2000'
DRAWN BY: bgm
DATE: 06-24-2004

TOPOGRAPHIC MAP "C"


Inland Wells
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Water Source Well
Water Disposal Well
Injection stations
UnitOutlines
Greater Boundary
T4S-R2W
T4S-R1W
T4S-R3W
T3S-R17E
T8S-R16E
T8S-R15E
T8S-R18E
T5S-R3W
T9S-R15E
T9S-R16E
T9S-R18E
T9S-R17E
T10S-R15E
T10S-R16E
T10S-R17E
Hawkeye
Monument Butte NE
Travis
West Point
Wells Draw
Monument Butte
Monument Butte East
Jonah
Ashley
Sand Wash
Pleasant Valley
Boundary
Blackjack
Canvasback
Humpback
Castle Draw
Odekirk Spring
Lone Tree
Sheepwash
Exhibit A
Uintah Basin, Utah
Duchesne & Uintah Counties
Inland
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
January 4 2004



Inland RESOURCES INC.

Federal 1F USA
SEC. 13, T9S, R18E, S.L.B.&M.

N

Tri-State Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'
DRAWN BY: bgm
DATE: 06-24-2004

Legend

- Well Locations
- One-Mile Radius

Exhibit "B"

2-M SYSTEM

Blowout Prevention Equipment Systems

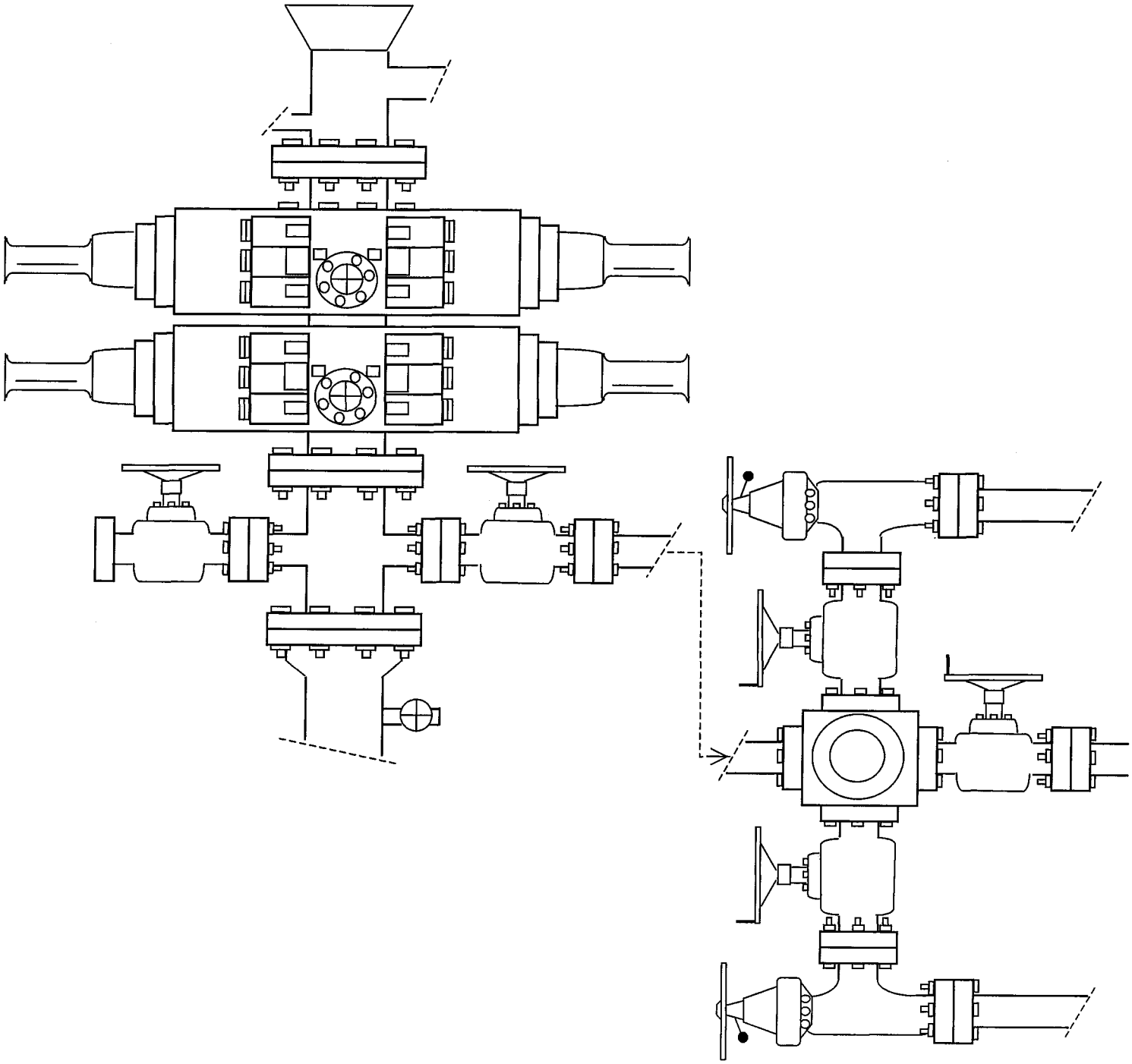


EXHIBIT C

THE STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

310 NEWHOUSE BUILDING
10 EXCHANGE PLACE
SALT LAKE CITY 84111

348 East South Temple
Suite 301
Salt Lake City, Utah

February 26, 1965

Pan American Petroleum Corporation
P. O. Box 40
Casper, Wyoming

Attention: Mr. E. O. Wise, Dist. Services Supervisor

Re: Well No. USA Pan American "F"-#1
Sec. 13, T. 9 S., R. 16 E.,
Duchesne County, Utah

Gentlemen:

We are in receipt of your "Well Completion or Recompletion Report and Log", for the above mentioned well. However, upon checking, we find that the plugged and abandonment date was omitted. We would appreciate you furnishing us with said date as soon as possible.

Thank you.

Very truly yours,

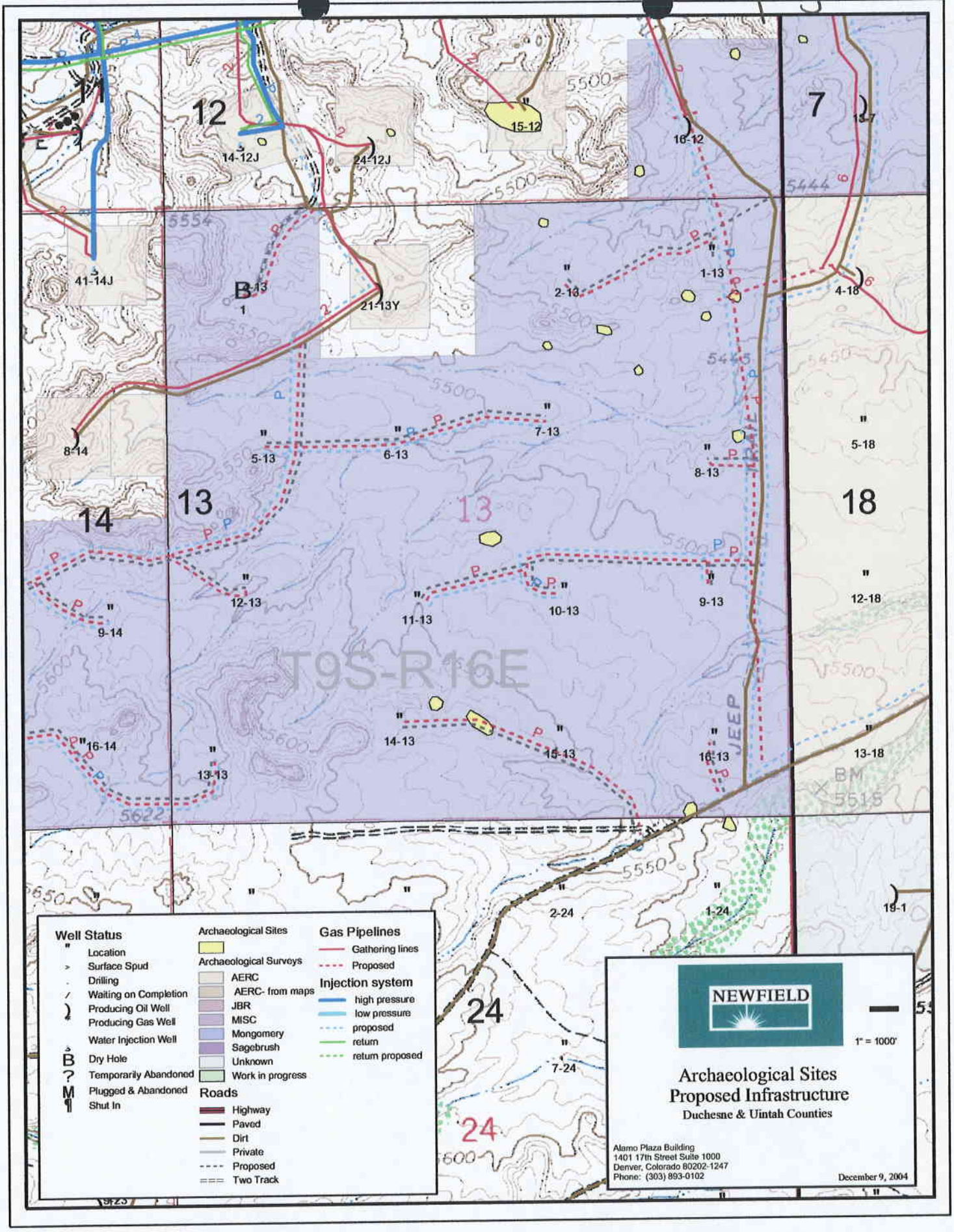
OIL & GAS CONSERVATION COMMISSION

Kathy G. Warner

KATHY G. WARNER
RECORDS CLERK

kgw

PXA 6/28/64


12
14-12J
24-12J
15-12
16-12
7
17
41-14J
B-13
1
21-13Y
2-13
1-13
4-18
8-14
5-13
6-13
7-13
8-13
5-18
14
13
18
12-13
9-14
11-13
10-13
9-13
12-18
T9S-R16E
16-14
13-13
14-13
15-13
16-13
13-18
BM
5515
2-24
1-24
19-1
24
7-24
Well Status
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Archaeological Sites
Archaeological Surveys
AERC
AERC- from maps
JBR
MISC
Mongomery
Sagebrush
Unknown
Work in progress
Roads
Highway
Paved
Dirt
Private
Proposed
Two Track
Gas Pipelines
Gathering lines
Proposed
Injection system
high pressure
low pressure
proposed
return
return proposed
NEWFIELD
1" = 1000'
Archaeological Sites
Proposed Infrastructure
Duchesne & Uintah Counties
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
December 9, 2004

INLAND RESOURCES, INC.

PALEONTOLOGICAL FIELD SURVEY OF PROPOSED PRODUCTION DEVELOPMENT AREAS, DUCHESNE COUNTY, UTAH

(NE 1/4, SE 1/4, Sec. 10, T 9 S, R 17 E; SE 1/4, NW 1/4 & SW 1/4, NE 1/4, Sec. 29, T 8 S, R 17 E; South ½ Sec. 14 T 9 S, R 16 E; and NW 1/4, Sec. 13, T 9 S, R 16 E)

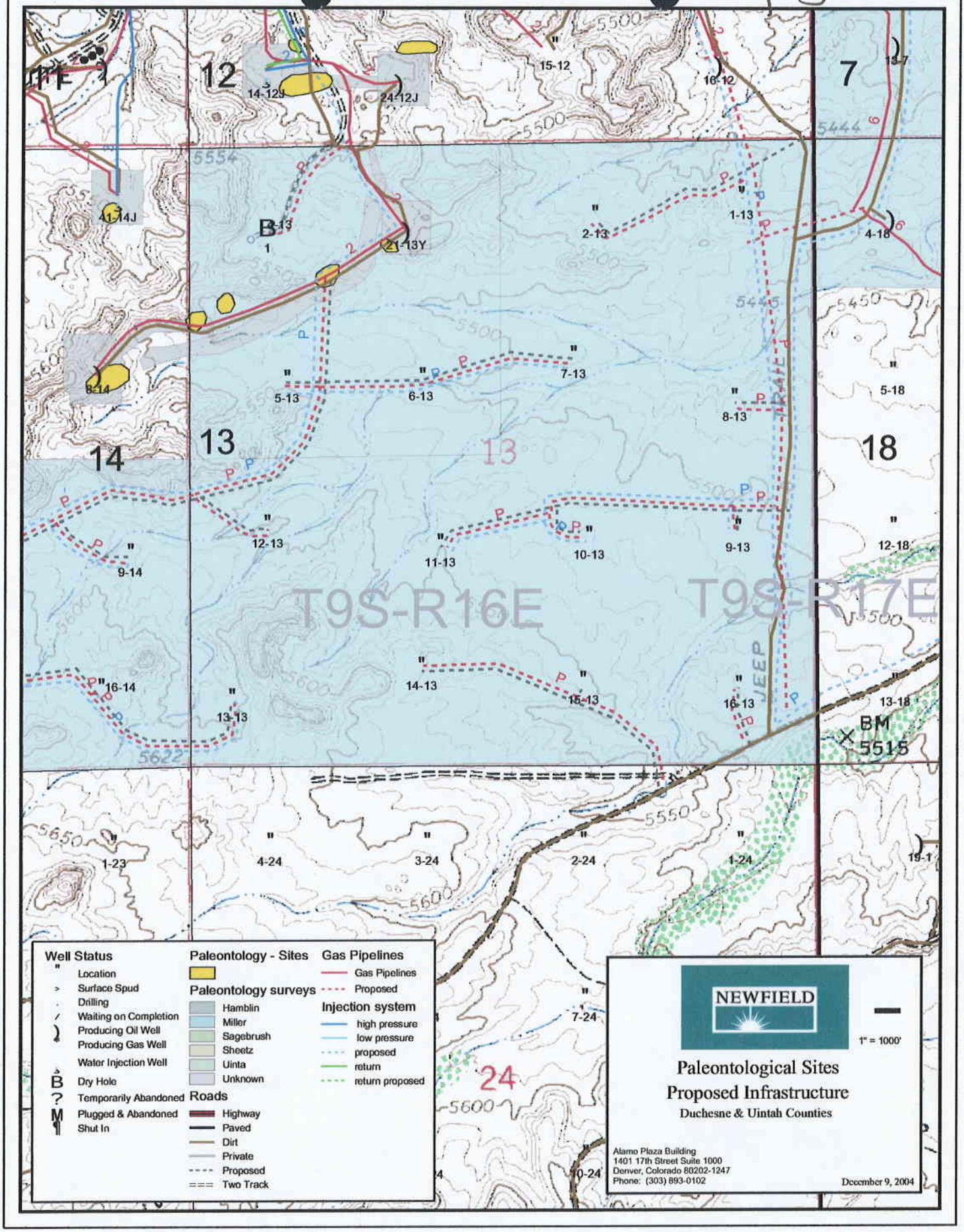
REPORT OF SURVEY

Prepared for:

Inland Resources, Inc.

Prepared by:

Wade E. Miller
Consulting Paleontologist
January 8, 2004


T9S-R16E
T9S-R17E
12
13
14
18
7
24
14-12J
24-12J
15-12
16-12
41-14J
B-13
1
21-13Y
2-13
1-13
4-18
5-13
6-13
7-13
8-13
5-18
12-13
11-13
10-13
9-13
12-18
9-14
16-14
13-13
14-13
15-13
16-13
13-18
BM
5515
1-23
4-24
3-24
2-24
1-24
19-1
7-24
10-24
JEEP TRAIL
Well Status
Location
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Paleontology - Sites
Paleontology surveys
Hamblin
Miller
Sagebrush
Sheetz
Uinta
Unknown
Roads
Highway
Paved
Dirt
Private
Proposed
Two Track
Gas Pipelines
Gas Pipelines
Proposed
Injection system
high pressure
low pressure
proposed
return
return proposed
NEWFIELD
1" = 1000'
Paleontological Sites
Proposed Infrastructure
Duchesne & Uintah Counties
Alamo Plaza Building
1401 17th Street Suite 1000
Denver, Colorado 80202-1247
Phone: (303) 893-0102
December 9, 2004

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/11/2005

API NO. ASSIGNED: 43-013-10822

WELL NAME: PAN AMERICAN #1FR-9-16
OPERATOR: NEWFIELD PRODUCTION (N2695)
CONTACT: MANDIE CROZIER

PHONE NUMBER: 435-646-3721

PROPOSED LOCATION:
NWNW 13 090S 160E
SURFACE: 0663 FNL 0663 FWL
BOTTOM: 0663 FNL 0663 FWL
DUCHESNE
MONUMENT BUTTE (105)

LEASE TYPE: 1 - Federal
LEASE NUMBER: UTU-75039
SURFACE OWNER: 1 - Federal
PROPOSED FORMATION: GRRV
COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 40.03626
LONGITUDE: -110.0741

RECEIVED AND/OR REVIEWED:

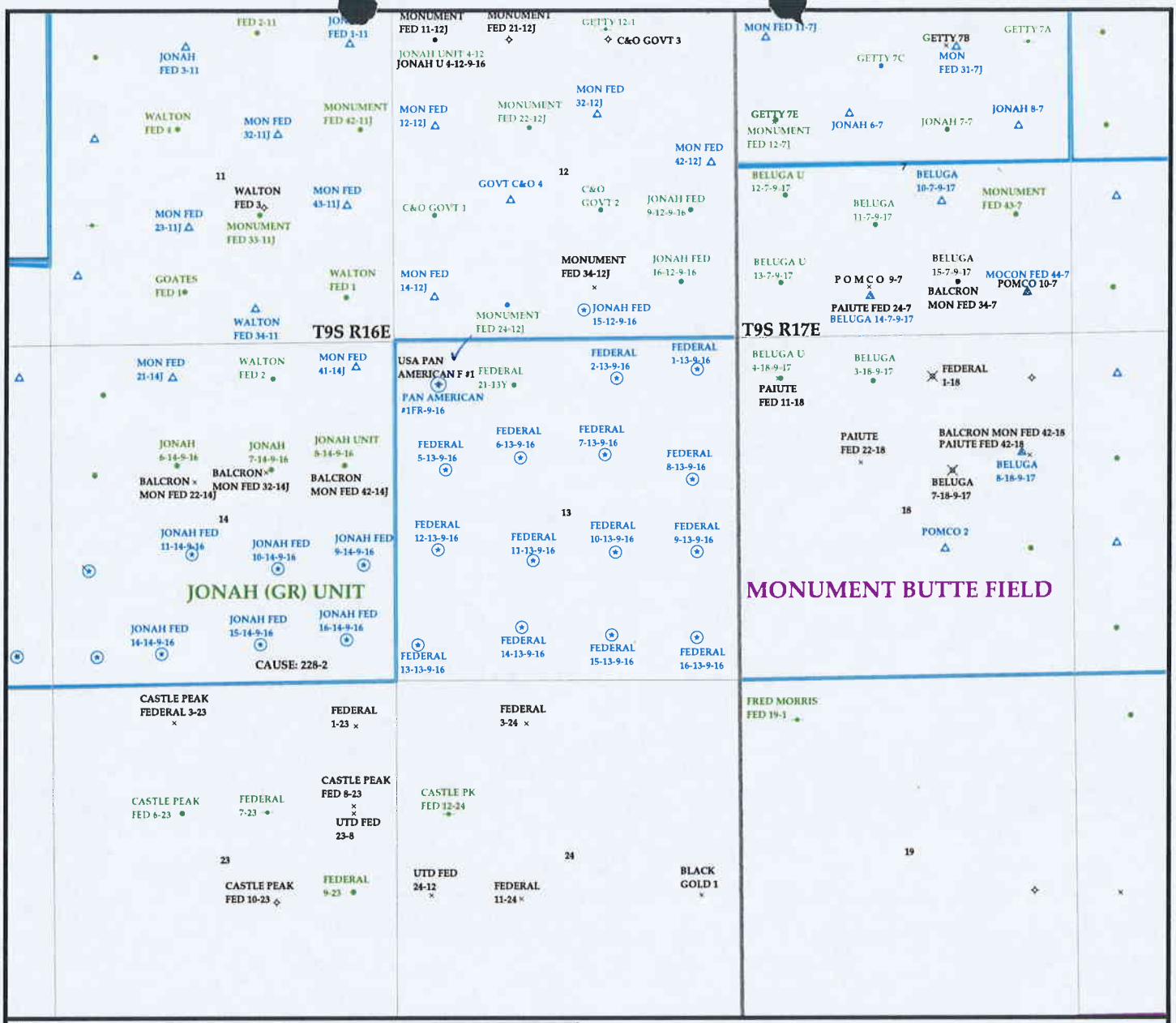
✓ Plat
✓ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. UTU0056)
N Potash (Y/N)
N Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. MUNICIPAL)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit _____
✓ 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- Federal Approval
2- Spacing Slip



OPERATOR- NEWFIELD PROD CO (N2695)

SEC. 13 T.9S R.16E

FIELD: MONUMENT BUTTE (105)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Wells

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Units.shp

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Fields.shp

- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Utah Oil Gas and Mining

N W E S

PREPARED BY: DIANA WHITNEY
DATE: 14-FEBRUARY-2005

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 & Mining

MARY ANN WRIGHT
Acting Division Director

February 15, 2005

Newfield Production Company
Rt. #3, Box 3630
Myton, Ut 84052

Re: Pan American #1FR-9-16 Well, 663' FNL, 663' FWL, NW NW, Sec. 13, T. 9 South, R. 16 East, Duchesne 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 43-013-10822.

Sincerely,

John R. Baza
Associate Director

pab
Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

Operator: Newfield Production Company

Well Name & Number Pan American #1FR-9-16

API Number: 43-013-10822

Lease: UTU-75039

Location: NW NW **Sec.** 13 **T.** 9 South **R.** 16 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 Dan Jarvis at (801) 538-5338

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. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

RECEIVED
FEB 10 2005
BLM VERNAL, UTAH

Form 3160-3
(September 2001)

FORM APPROVED
OMB No. 1004-0136
Expires January 31, 2004

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.: UTU-75039

6. If Indian, Allottee or Tribe Name: N/A

1a. Type of Work: ☐ DRILL ☒ REENTER

7. If Unit or CA Agreement, Name and No.: N/A

1b. Type of Well: ☒ Oil Well ☐ Gas Well ☐ Other ☒ Single Zone ☐ Multiple Zone

8. Lease Name and Well No.: Pan American #1FR-9-16

2. Name of Operator: Newfield Production Company

9. API Well No.: 43-013-10822

3a. Address: Route #3 Box 3630, Myton UT 84052

3b. Phone No. *(include area code)*: (435) 646-3721

10. Field and Pool, or Exploratory: Monument Butte

4. Location of Well *(Report location clearly and in accordance with any State requirements.*)*
At surface NW/NW 663' FNL 663' FWL
At proposed prod. zone

11. Sec., T., R., M., or Blk. and Survey or Area: NW/NW Sec. 13, T9S R16E

14. Distance in miles and direction from nearest town or post office*: Approximatley 18.2 miles south of Myton, Utah

12. County or Parish: Duchesne

13. State: UT

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) Approx. 663' f/lse, NA f/unit	16. No. of Acres in lease: 80.00	17. Spacing Unit dedicated to this well: 40 Acres
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Approx. 4181'	19. Proposed Depth: 6000'	20. BLM/BIA Bond No. on file: ~~UTU0056~~ UTB000192
21. Elevations (Show whether DF, KDB, RT, GL, etc.): 5529' GL	22. Approximate date work will start*: 2nd Quarter 2005	23. Estimated duration: Approximately seven (7) days from spud to rig release.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature	Name *(Printed/Typed)*	Date
Mandie Crozier	Mandie Crozier	2/3/05
Title: Regulatory Specialist		
Approved by *(Signature)*	Name *(Printed/Typed)*	Date: 12/07/2005
Title: Assistant Field Manager Mineral Resources	Office	

Application approval does not warrant or certify the the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

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 reverse)*

NOTICE OF APPROVAL

RECEIVED
DEC 16 2005
DIV. OF OIL, GAS & MINING

UDOGM

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE
170 South 500 East VERNAL, UT 84078 (435) 781-4400

CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company:	**Newfield Production Co.**	**Location:**	**NWNW, Sec 13, T9S, R16E**
Well No:	**Pan American 1FR-9-16**	**Lease No:**	**UTU-75039**
API No:	**43-013-10822**	**Agreement:**	**N/A**

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
After Hours Contact Number: 435-781-4513		Fax: 435-781-4410	

A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO 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 (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations.

NOTIFICATION REQUIREMENTS

Location Construction (Notify Melissa Hawk)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Melissa Hawk)	-	Prior to moving on the drilling rig.
Spud Notice (Notify PE)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify SPT)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify SPT)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify PE)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)

This well is being approved in accordance with Washington Instruction Memorandum 2005-247 and Section 390 (Category 3) of the Energy Policy Act which establishes statutory categorical exclusions (CX) under the National Environmental Policy Act (NEPA). Category 3 states that an oil or gas well can be drilled within a developed field for which an approved land use plan or any environmental document prepared pursuant to NEPA analyzed drilling as a reasonably foreseeable activity, so long as such plan or document was approved within five (5) years prior to the date of spudding the well. This well is covered under the *Final Environmental Impact Statement and Record of Decision Castle Peak and Eightmile Flat Oil and Gas Exploration Project Newfield Rocky Mountains Inc.,* signed November 21, 2005. If the well has not been spudded by November 21, 2010, a new environmental document will have to be prepared prior to the approval of the APD.

4 to 6 inches of topsoil shall be stripped from the locations and placed as shown on the cut sheet. The topsoil shall be respread over the entire location as soon as completion operations have been finished and recontouring is complete. At this point the production equipment can be set. The areas of the location not needed for production operations, including the reserve pits, shall be seeded with crested wheatgrass (variety Hycrest) at a rate of 12 lbs per acre. The 12 lb/acre rate is considering pure live seed. The interim seeding shall be done by either drilling the seed or by broadcasting the seed and dragging it with a spike tooth harrow.

The pipeline trench for the gas lines shall be dug in the borrow ditch of the road and the trench material side cast into the existing vegetation. When backfilling the trenches, care shall be taken to disturb as little of the vegetation as possible and thus allowing the existing plants to reestablish on their own, however, this area shall also be seeded with crested wheatgrass at the 12 lb/acre rate to ensure vegetation establishment and to keep invasive weeds to a minimum. All seeding of the pipelines shall be completed using a seed drill.

No pipeline construction will be allowed when soils are muddy and rutting of soils becomes apparent from the use of vehicles. If rutting occurs, operations must cease until soils are dry or frozen.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

1. None.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

1. There shall be no deviation from the proposed drilling, completion, 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 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.

2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.

3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**

4. Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.

   All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.

   BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

   Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

   No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.

6. 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 the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.

7. Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

   Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

   Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations 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 Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

   In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.

   Please submit an electronic copy of all logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM. The cement bond log must be submitted in raster format (TIF, PDF other).

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.

12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day 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 (¼¼, Sec., Twn, Rng, and P.M.).

    d. Date well was placed in a producing status (date of first production for which royalty will be paid).

    e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).

    f. The 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. Unit agreement and / or participating area name and number, if applicable.

    h. Communitization agreement number, if applicable.

13. Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.

14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production

15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: **NEWFIELD PRODUCTION COMPANY**

Well Name: **PAN AMERICAN #1FR-9-16**

Api No: **43-013-10822** Lease Type: **FEDERAL**

Section **13** Township **09S** Range **16E** County **DUCHESNE**

Drilling Contractor **ROSS DRILLING** RIG # **21**

SPUDDED:

Date **01/05/06**

Time **12:00 NOON**

How **ROTARY**

Drilling will Commence:

Reported by **JUSTIN CRUM**

Telephone # **1-435-823-6733**

Date 01/05/2006 Signed CHD

RECEIVED

JAN 2 0 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM -FORM 6

OPERATOR: NEWFIELD PRODUCTION COMPANY
ADDRESS: RT. 3 BOX 3630
MYTON, UT 84052

OPERATOR ACCT. NO. N2695

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12417 ✓	43-013-32639	LONE TREE FEDERAL 1-20-9-17	NENE	20	9S	17E	DUCHESNE	01/10/06	1/26/06

WELL 1 COMMENTS: GRRV — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	11492 ✓	43-013-32753	JONAH 15-15-9-16	SWSE	15	9S	16E	DUCHESNE	01/07/06	1/26/06

GRRV — K

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE
B	99999	12308 ✓	43-013-32445	SANDWASH FEDERAL 13-31-8-17	SWSW	31	8S	17E	DUCHESNE	01/05/06	1/26/06

GRRV — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	14844 ✓	43-047-35972	FEDERAL 11-33-8-18	NESW	33	8S	18E	UINTAH	01/06/06	1/26/06

GRRV Sundance Unit — J

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
A	99999	15153	43-013-10822	PAN AMERICAN 1FR-9-16	NWNW	13	9S	16E	DUCHESNE	01/05/06	1/20/06

WELL 5 COMMENTS: GRRV — GRRV — K

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION QQ	SC	TP	RG	COUNTY	SPUD DATE	EFFECTIVE DATE
B	99999	12391 ✓	43-013-32796	GREATER BOUNDARY 2A-3-9-17	NENW	3	9S	17E	DUCHESNE	01/07/06	1/26/06

WELL 6 COMMENTS: GRRV — J

ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

Kim Kettle
Signature

Kira Kettle

Production Clerk
Title

January 20, 2006
Date

01/20/2006 14:01 4356463031 INLAND PAGE 03

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

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

5. Lease Serial No.
UTU75039

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
PAN AMERICAN 1FR-9-16

2. Name of Operator
Newfield Production Company

9. API Well No.
4301310822

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
663 FNL 663 FWL
NW/NW Section 13 T9S R16E

11. County or Parish, State
Duchesne,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Spud Notice
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ 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.)

On 1/5/06 MIRU Ross # 21. Spud well @ 12:00 PM. Drill out surface plug 9 7/8" hole with air mist for re-entry. Run in to a depth of 330' in 10 3/4" casing. Did not tag the other plug.

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Justin Crum

Title
Drilling Foreman

Signature
Justin Crum

Date
01/28/2006

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 and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
FEB 01 2006
DIV. OF OIL, GAS & MINING

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

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

5. Lease Serial No.
UTU75039

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
PAN AMERICAN IFR-9-16

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301310822

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
663 FNL 663 FWL
NW/NW Section 13 T9S R16E

11. County or Parish, State
Duchesne,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ Water Disposal	

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On 1/11/06 MIRU NDSI Rig # 1. Set all equipment. Pressure test Kelly, TIW, Choke manifold, & Bop's to 2,000 psi. Test 8.625 csgn to 1,500 psi. Vernal BLM field, & Roosevelt DOGM office was notifed of test. PU BHA and drill pipe to a depth of 1069'. Drill out cement plug to a depth of 1075'.Continue to pick up drill pipe to a depth of 5930'. Drill out cement plug to a depth of 6000'. Lay down 1 jt of drill pipe. Drill string stuck at 5429'. Back drill collar off at the top of # 7, 5481'. Recieve orders fron Newfield to leave 6 drill collars in the hole. Rig up and run 132 jts J55 15.50# casing to a depth of 5477' KB. Then cement with 300 sks cement mixed @ 11.0 ppg & 3.43 yld. Then 500 sks cement mixed @ 14.4 ppg & 1.24 yld. Returned 0 bbls of cement to reserve pit. Nipple down Bop's. Drop slips @ 80,000 #'s tension. Release rig @ 11:30 PM on 1/19/06.

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Justin Crum

Title
Drilling Foreman

Signature

Date
02/01/2006

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Title

Date

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(Instructions on reverse)

FEB 0 6 2006

NEWFIELD PRODUCTION COMPANY - CASING & CEMENT REPORT

5 1/2" CASING SET AT **5477.96**

Flt cllr @ 5435

LAST CASING 8 5/8" SET AT 309'

OPERATOR **Newfield Production Company**

DATUM **12' KB**

WELL **Pan American 1FR -9-16**

DATUM TO CUT OFF CASING 12'

FIELD/PROSPECT **Monument Butte**

DATUM TO BRADENHEAD FLANGE

CONTRACTOR & RIG # **NDSI rig #1**

TD DRILLER **5528'** LOGGER '

HOLE SIZE **7 7/8"**

LOG OF CASING STRING:

PIECES	OD	ITEM - MAKE - DESCRIPTION	WT / FT	GRD	THREAD	CONDT	LENGTH
		Landing Jt					14
		Short jt 4049' (6.56')					
141	**5 1/2"**	ETC LT & C casing	**15.5#**	**J-55**	**8rd**	**A**	5435.55
		Float collar					0.6
1	**5 1/2"**	ETC LT&C csg	**15.5#**	**J-55**	**8rd**	**A**	43.16
		GUIDE shoe			**8rd**	**A**	0.65

CASING INVENTORY BAL.	FEET	JTS
TOTAL LENGTH OF STRING	5479.96	132
LESS NON CSG. ITEMS	15.25	
PLUS FULL JTS. LEFT OUT	590.49	12
TOTAL	**6055.20**	144
TOTAL CSG. DEL. (W/O THRDS)	6055.2	144
TIMING	1ST STAGE	2nd STAGE
BEGIN RUN CSG.	1/19/2006	1:00 PM
CSG. IN HOLE	1/19/2006	3:00PM
BEGIN CIRC	1/19/2006	3:05 PM
BEGIN PUMP CMT	1/19/2006	6:21 PM
BEGIN DSPL. CMT	1/19/2006	7:30 PM
PLUG DOWN	**1/19/2006**	**7:53 PM**

TOTAL LENGTH OF STRING	5479.96
LESS CUT OFF PIECE	14
PLUS DATUM TO T/CUT OFF CSG	12
CASING SET DEPTH	**5477.96**

} COMPARE

GOOD CIRC THRU JOB Yes

Bbls CMT CIRC TO SURFACE 0

RECIPROCATED PIPE FOR THRUSTROKE

DID BACK PRES. VALVE HOLD ? Yes

BUMPED PLUG TO 900 PSI

CEMENT USED		CEMENT COMPANY- **B. J.**
STAGE	# SX	CEMENT TYPE & ADDITIVES
1	300	Premlite II w/ 10% gel + 3 % KCL, 3#'s /sk CSE + 2# sk/kolseal + 1/4#'s/sk Cello Flake
		mixed @ 11.0 ppg W / 3.43 cf/sk yield
2	500	50/50 poz W/ 2% Gel + 3% KCL, .5%EC1,1/4# sk C.F. 2% gel. 3% SM mixed @ 14.4 ppg W/ 1.24 YLD

CENTRALIZER & SCRATCHER PLACEMENT	SHOW MAKE & SPACING
Centralizers - Middle first, top second & third. Then every third collar for a total of 20.	

COMPANY REPRESENTATIVE **Justin Crum** DATE **1/20/2006**

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31, 2004

SUNDRY NOTICES AND REPORTS ON WELLS

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UTU75039

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7. If Unit or CA/Agreement, Name and/or No.

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☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
PAN AMERICAN 1FR-9-16

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11. County or Parish, State
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Formation water is produced to a steel storage tank. If the production water meets quality guidelines, it is transported to the Ashley, Monument Butte, Jonah, and Beluga water injection facilities by company or contract trucks. Subsequently, the produced water is injected into approved Class II wells to enhance Newfield's secondary recovery project.

Water not meeting quality criteria, is disposed at Newfield's Pariette #4 disposal well (Sec. 7, T9S R19E) or at State of Utah approved surface disposal facilities.

Accepted by the
Utah Division of
Oil, Gas and Mining

I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature

Date
02/10/2006

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

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(Instructions on reverse)

FEB 13 2006

DIV. OF OIL, GAS & MINING

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FORM APPROVED
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Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
663 FNL 663 FWL
NW/NW Section 13 T9S R16E

11. County or Parish, State
Duchesne,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Variance
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ 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.)

Newfield Production Company is requesting a variance from Onshore Order 43 CFR Part 3160 Section 4 requiring production tanks to be equipped with Enardo or equivalent vent line valves. Newfield operates wells that produce from the Green River formation, which are relatively low gas producers (20 mcfpd). The majority of the wells are equipped with a three phase separator to maximize gas separation and sales.

Newfield is requesting a variance for safety reasons. Crude oil production tanks equipped with back pressure devices will emit a surge of gas when the thief hatches are open. While gauging tanks, lease operators will be subject to breathing toxic gases as well as risk a fire hazard, under optimum conditions

2-21-06
CHD

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 2/14/06
By: [signature]

Federal Approval Of This
Action Is Necessary

I hereby certify that the foregoing is true and correct
Name *(Printed/ Typed)*
Mandie Crozier

Title
Regulatory Specialist

Signature
Mandie Crozier

Date
02/10/2006

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 and fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED
FEB 13 2006

FORM 3160-5
(September 2001)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires January 31,2004

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

5. Lease Serial No.
UTU75039

6. If Indian, Allottee or Tribe Name.

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
PAN AMERICAN 1FR-9-16

2. Name of Operator
NEWFIELD PRODUCTION COMPANY

9. API Well No.
4301310822

3a. Address Route 3 Box 3630
Myton, UT 84052

3b. Phone No. *(include are code)*
435.646.3721

10. Field and Pool, or Exploratory Area
Monument Butte

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
663 FNL 663 FWL
NW/NW Section 13 T9S R16E

11. County or Parish, State
Duchesne,UT

12. CHECK APPROPRIATE BOX(ES) TO INIDICATE NATURE OF NOTICE, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production(Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other Weekly Status Report
	☐ Change Plans	☐ Plug & Abandon	☐ Temporarily Abandon	
	☐ Convert to Injector	☐ Plug Back	☐ 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.)

Status report for time period 02/01/06 - 02/09/06

Subject well had completion procedures intiated in the Green River formation on 02-01-06 without the use of a service rig over the well. A cement bond log was run and a total of four Green River intervals were perforated and hydraulically fracture treated with 20/40 mesh sand. Perforated intervals are as follows: Stage #1 (5064'-5080'),(5038'-5046'); Stage #2 (4742'-4750');Stage #3(4300'-4314'); Stage #4(4104'-4110'),(4094'-4098'),(4044'-4066'). All perforations, were 4 JSPF. Composite flow-through frac plugs were used between stages. Fracs were flowed back through chokes. A service rig was moved over the well on 02-07-2006. Bridge plugs were drilled out and well was cleaned to 5434'. Zones were swab tested for sand cleanup. A new 1 1/2" bore rod pump was run in well on sucker rods. Well was placed on production via rod pump on 02-09-2006.

I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)* Lana Nebeker
Signature

Title: Production Clerk
Date: 02/21/2006

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 and fraudulent statements or representations as to any matter within its jurisdiction

(Instructions on reverse)

RECEIVED
FEB 2 2 2006
DIV. OF OIL, GAS & MINING

FORM 3160-4
(July 1992)

SUBMIT IN DUPLICATE* (See other instructions ons reverse side)

FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: UTU-75039

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME, WELL NO.: Pan American #1FR-9-16

9. WELL NO.: 43-013-10822

10. FIELD AND POOL OR WILDCAT: Monument Butte

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 13, T9S, R16E

1a. TYPE OF WORK
OIL WELL [X] GAS WELL [ ] DRY [ ] Other

1b. TYPE OF WELL
NEW WELL [X] WORK OVER [ ] DEEPEN [ ] PLUG BACK [ ] DIFF RESVR. [ ] Other

2. NAME OF OPERATOR: Newfield Exploration Company

3. ADDRESS AND TELEPHONE NO.: 1401 17th St. Suite 1000 Denver, CO 80202

4. LOCATION OF WELL (Report locations clearly and in accordance with any State requirements.*)
At Surface: 663' FNL & 663' FWL (NW/NW) Sec. 13, T9S, R16E
At top prod. Interval reported below
At total depth

14. API NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
43-013-10822	2/15/05	Duchesne	UT

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
1/5/06	1/18/06	2/9/06	5529' GL 5541' KB	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6000'	5434'		------>	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)*: Green River 4044'-5080'

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: Dual Induction Guard, SP, Compensated Density, Compensated Neutron, GR, Caliper, Cement Bond Log

27. WAS WELL CORED: No

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
8-5/8" - J-55	24#	309'	12-1/4"	To surface with 230 sx Class "G" cmt	
5-1/2" - J-55	15.5#	5478'	7-7/8"	300 sx Premlite II and 500 sx 50/50 Poz	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	EOT @ 5171'	TA @ 5007'

31. PERFORATION RECORD (Interval, size and number)

INTERVAL	SIZE	SPF/NUMBER
(A1&3) 5038'-46', 5064'-80'	.46"	4/96
(C) 4742'-4750'	.43"	4/32
(PB10) 4300'-4314'	.43"	4/56
(GB6) 4044'-66', 4094'-98', 4104'-10'	.43"	4/128

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5038'-5080'	Frac w/ 70,448# 20/40 sand in 562 bbls fluid
4742'-4750'	Frac w/ 34,710# 20/40 sand in 390 bbls fluid
4300'-4314'	Frac w/ 35,142# 20/40 sand in 348 bbls fluid
4044'-4066'	Frac w/ 67,736# 20/40 sand in 511 bbls fluid

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump)	WELL STATUS (Producing or shut-in)
2/9/06	2-1/2" x 1-1/2" x 14' RHAC SM Plunger Pump	PRODUCING

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBLS.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
30 day ave			----->	65	17	67	262

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)
		----->				

RECEIVED
MAR 17 2006
DIV. OF OIL, GAS & MINING

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold & Used for Fuel

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS

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

SIGNED: Mandie Crozier TITLE: Regulatory Specialist DATE: 3/16/2006

*(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);

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			Well Name **Pan American #1FR-9-16**

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Garden Gulch Mkr		
Garden Gulch 1		
Garden Gulch 2	**3875'**	
Point 3 Mkr	**4120'**	
X Mkr	**4392'**	
Y-Mkr	**4426'**	
Douglas Creek Mkr	**4554'**	
BiCarbonate Mkr	**4790'**	
B Limestone Mkr	**4910'**	
Castle Peak	**5382'**	
Basal Carbonate	**5634'**	
Total Depth (LOGGERS	**5640'**	

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75039

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: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: PAN AMERICAN #1FR-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013108220000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 13 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	✓ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 11/19/2013	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
☐ SPUD REPORT Date of Spud:	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As per verbal approval given by the State, Newfield installed a concentric string to isolate a casing leak at 1882-1892. It was determined a dual packer system could be used instead of a cement squeeze.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 20, 2013

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Mandie Crozier	435 646-4825	Regulatory Tech
SIGNATURE N/A		**DATE** 11/19/2013

RECEIVED: Nov. 19, 2013

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75039

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: GMBU (GRRV)

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: PAN AMERICAN #1FR-9-16

2. NAME OF OPERATOR: NEWFIELD PRODUCTION COMPANY

9. API NUMBER: 43013108220000

3. ADDRESS OF OPERATOR: Rt 3 Box 3630 , Myton, UT, 84052

PHONE NUMBER: 435 646-4825 Ext

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FNL 0660 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 13 Township: 09.0S Range: 16.0E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
✓ SUBSEQUENT REPORT Date of Work Completion: 11/15/2013	✓ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	✓ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Anguard

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The subject well has been converted from a producing oil well to an injection well on 11/15/2013. 10/28/2013 30 bbls Anguard and 30 bbls packer fluid pumped down csg. On 11/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/15/2013 the casing was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 225 psig during the test. There was not a State representative available to witness the test.

Accepted by the Utah Division of Oil, Gas and Mining

Date: December 30, 2013

By:

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Water Services Technician
SIGNATURE N/A		**DATE** 11/25/2013

RECEIVED: Nov. 25, 2013

Mechanical Integrity Test
Casing or Annulus Pressure Test

Newfield Production Company
Rt. 3 Box 3630
Myton, UT 84052
435-646-3721

Witness: _____ **Date** 11/15/13 **Time** 10:15 (am) pm

Test Conducted by: EVERETT LUNDELL

Others Present: _____

Well: PAN AMERICAN 1-FR-9-16 **Field:** Monument Butte

Well Location: NW NW Sec 13 T9S R16E **API No:** 43-013-10822
Duchesne County, UT

Time	Casing Pressure
0 min	1415 psig
5	1414 psig
10	1414 psig
15	1415 psig
20	1415 psig
25	1415 psig
30 min	1415 psig
35	psig
40	psig
45	psig
50	psig
55	psig
60 min	psig

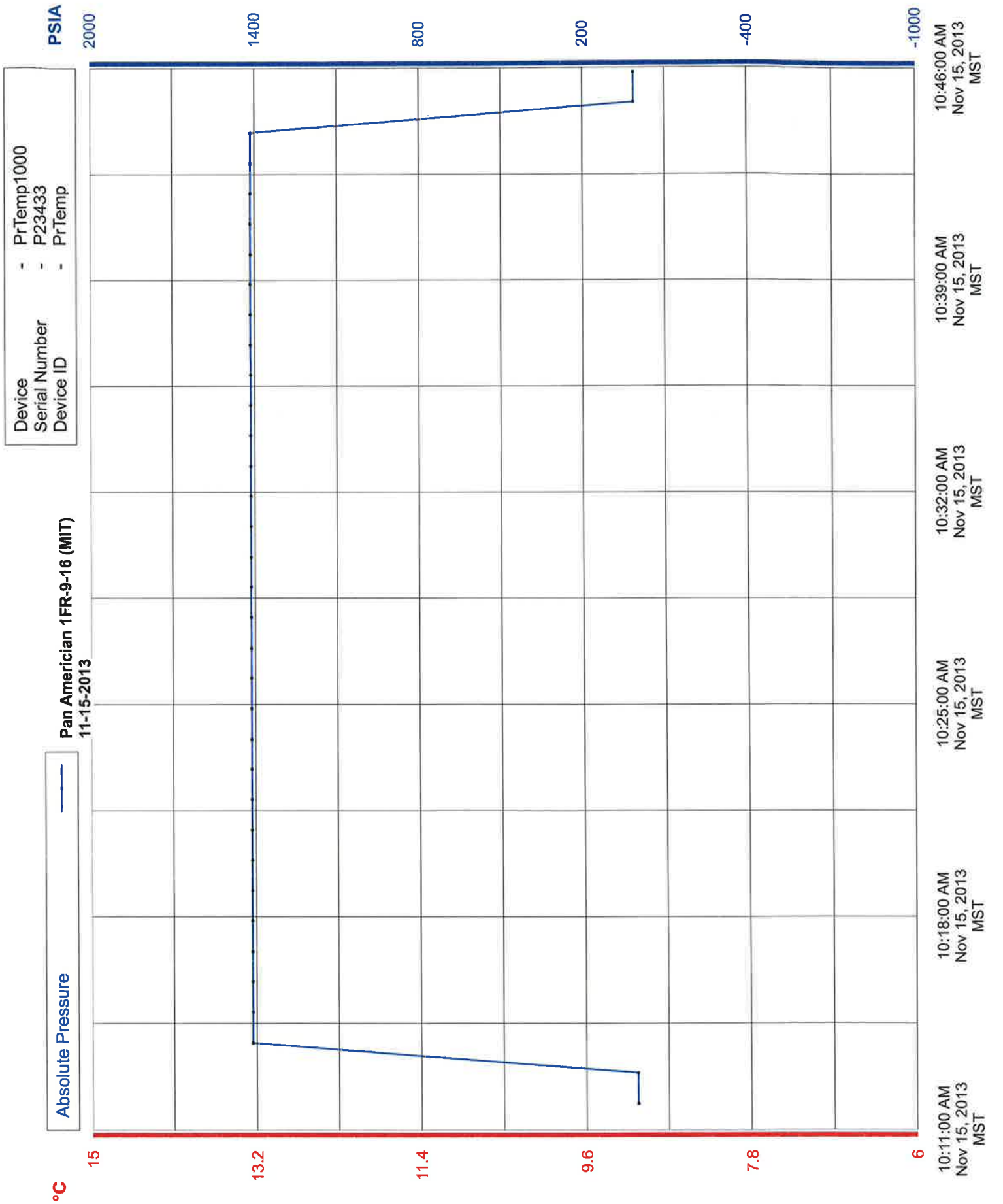
Tubing pressure: 225 psig

Result: (Pass) Fail

Signature of Witness: _____

Signature of Person Conducting Test: Everett Lundell

Sundry Number: 45271 API Well Number: 43013108220000



Daily Activity Report

Format For Sundry

PAN AMERICAN 1FR-9-16

9/1/2013 To 1/30/2014

10/18/2013 Day: 1 **Conversion**

WES #2 on 10/18/2013 - MIRUSU - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00PM TRAVEL TO LOCATION 8:00AM TO 10:30AM WAITED ON EXCAVATION OF LOCATION 10:30AM TO 1:30PM RU RIG FLUSHED CSG W/ 60 BBLS@250DEG, LD PR, LD PONY RODS, 2-RODS, PU PR FLUSHED TBG W/ 40 BBLS @250DEG, 1:30PM TO 2:00PM PU 3 RODS, PONY RODS SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 2:00PM TO 5:00PM LD ROD STRING ON TRAILER 5:00PM TO 6:00PM ND WH, RLEASED TAC, NU BOPS, RD RIG FLOOR, SIWFN 6:00PM TO 7:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00PM TRAVEL TO LOCATION 8:00AM TO 10:30AM WAITED ON EXCAVATION OF LOCATION 10:30AM TO 1:30PM RU RIG FLUSHED CSG W/ 60 BBLS@250DEG, LD PR, LD PONY RODS, 2-RODS, PU PR FLUSHED TBG W/ 40 BBLS @250DEG, 1:30PM TO 2:00PM PU 3 RODS, PONY RODS SOFT SEATED PUMP, PT TBG TO 3K PSI GOOD TEST 2:00PM TO 5:00PM LD ROD STRING ON TRAILER 5:00PM TO 6:00PM ND WH, RLEASED TAC, NU BOPS, RD RIG FLOOR, SIWFN 6:00PM TO 7:30PM CREW TRAVEL **Finalized**
Daily Cost: $0
Cumulative Cost: $10,655

10/21/2013 Day: 2 **Conversion**

WES #2 on 10/21/2013 - TooH re-doping every connection. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 4:00PM TOOH 125 JTS TBG BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 4:00PM 5:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 4:00PM TOOH 125 JTS TBG BREAKING AND RE-DOPING EVERY CONNECTION W/ LIQUID O-RING GREEN DOPE 4:00PM 5:30PM CREW TRAVEL
Daily Cost: $0
Cumulative Cost: $17,975

10/22/2013 Day: 3 **Conversion**

WES #2 on 10/22/2013 - Set pkr, test csg. No test. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TIH 125 JTS TBG 9:00AM TO 11:00AM PUMPED 10 BBLS DOWN TBG DROPPED SV CHASED W/ 25 BBLS, SHUT DOWN FOR 1 HR DUE TO HOT OILER, PT TBG TO 3K PSI HELD FOR 30 MIN GOOD TEST 11:00AM TO 12:00PM RIH W/ SL RETRIEVED SV 12:00PM TO 2:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, CIRCULATED 50 BBLS OF PKR FLUID 2:00PM TO 5:00PM SET PKR LOADED CSG W/ PKR FLUID PT CSG TO 1400 PSI HELD 100% FOR 30 MIN COULD NOT GET TO TEST LEFT 1400 PSI FOR OVER NIGHT 5:00PM TO 6:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 9:00AM TIH 125 JTS TBG 9:00AM TO 11:00AM PUMPED 10 BBLS DOWN TBG DROPPED SV CHASED W/ 25 BBLS, SHUT DOWN FOR 1 HR DUE TO HOT OILER, PT TBG TO 3K PSI HELD FOR 30 MIN GOOD TEST 11:00AM TO 12:00PM RIH W/ SL RETRIEVED SV 12:00PM TO 2:00PM RU RIG FLOOR, ND BOPS, NU INJECTION WH, CIRCULATED 50 BBLS OF PKR FLUID 2:00PM TO 5:00PM SET PKR LOADED CSG W/ PKR FLUID PT CSG TO 1400 PSI HELD 100% FOR 30 MIN COULD NOT GET TO TEST LEFT 1400 PSI FOR OVER NIGHT 5:00PM TO 6:30PM CREW TRAVEL **Finalized**
Daily Cost: $0

Cumulative Cost: $32,486

10/23/2013 Day: 4 **Conversion**

WES #2 on 10/23/2013 - Release pkr, TIH pkr injection assembly. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 11:00AM TOOH 125 JTS TBG PKR KEPT HANGING UP 11:00AM TO 1:00PM TIH B/S, 125 JTS TBG 1:00PM TO 3:00PM TOOH 125 JTS TBG, B/S 3:00PM TO 6:00PM TIH INJECTION PKR ASSEMBLY 105 JTS TBG SIWFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 11:00AM TOOH 125 JTS TBG PKR KEPT HANGING UP 11:00AM TO 1:00PM TIH B/S, 125 JTS TBG 1:00PM TO 3:00PM TOOH 125 JTS TBG, B/S 3:00PM TO 6:00PM TIH INJECTION PKR ASSEMBLY 105 JTS TBG SIWFN
Daily Cost: $0
Cumulative Cost: $40,346

10/24/2013 Day: 5 **Conversion**

WES #2 on 10/24/2013 - Test casing, no test. Set up to run tandem tools in the morning. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM TIH 20 JTS TBG 8:00AM TO 10:00AM PUMPED 10 BBLS DOWN TBG DROPPED SV CHASED W/ 25 BBLS PT TBG TO 3K PSI HAD TO BUMP UP 4 TIMES GOOD TEST 10:00AM TO 11:00AM RIH W/ SL RETRIEVED SV 11:00AM TO 1:00PM PT CSG TO 1400 PSI TRIED TO HOLD FOR 30 MIN 100% LOST PRESSURE 100PSI PER 5MIN 1:00PM TO 3:00PM TOOH 125 JTS TBG, INJECTION PKR ASSEMBLY, GOT READY TO RUN TANDOM TOOLS, SIWFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM TIH 20 JTS TBG 8:00AM TO 10:00AM PUMPED 10 BBLS DOWN TBG DROPPED SV CHASED W/ 25 BBLS PT TBG TO 3K PSI HAD TO BUMP UP 4 TIMES GOOD TEST 10:00AM TO 11:00AM RIH W/ SL RETRIEVED SV 11:00AM TO 1:00PM PT CSG TO 1400 PSI TRIED TO HOLD FOR 30 MIN 100% LOST PRESSURE 100PSI PER 5MIN 1:00PM TO 3:00PM TOOH 125 JTS TBG, INJECTION PKR ASSEMBLY, GOT READY TO RUN TANDOM TOOLS, SIWFN **Finalized**
Daily Cost: $0
Cumulative Cost: $47,301

10/25/2013 Day: 6 **Conversion**

WES #2 on 10/25/2013 - Chased hole in tubing between 1882'-1892'. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PU RBP,RH,2 3/8"X4' PUP SUB, SWEDGE,PKR, TIH 125 JTS TBG 10:00AM TO 12:00PM SET RBP W/ CE@ 3990' TOOH 2 JTS TBG SET PKR PT TOOLS TO 1400 PSI GOOD TEST TOOH 60 JTS TBG SET PKR @2004' PT 1400PSI GOOD TEST 12:00PM TO 6:30PM CHASED HOLE TO BETWEEN 1882-1892' W/ BLEED OF RATE @150PSI EVERY 10 MIN SIWFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 10:00AM PU RBP,RH,2 3/8"X4' PUP SUB, SWEDGE,PKR, TIH 125 JTS TBG 10:00AM TO 12:00PM SET RBP W/ CE@ 3990' TOOH 2 JTS TBG SET PKR PT TOOLS TO 1400 PSI GOOD TEST TOOH 60 JTS TBG SET PKR @2004' PT 1400PSI GOOD TEST 12:00PM TO 6:30PM CHASED HOLE TO BETWEEN 1882-1892' W/ BLEED OF RATE @150PSI EVERY 10 MIN SIWFN
Daily Cost: $0
Cumulative Cost: $55,139

10/28/2013 Day: 7 **Conversion**

WES #2 on 10/28/2013 - TIH w/inj pkr - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO

7:15AM JSA SAFETY MEETING WAITED ON DECISION ON HOW TO APPROACH HOLE IN CSG TIH RETRIEVED RBP TOOH TIH W/ INJECTION PKR ASSEMBLY 125 JTS TBG, PUMPED 10 BBLS ON TBG DROPPED SV CHASED W/ 25 BBLS RU RIG FLOOR, ND BOPS, NU INJECTION WH, SIWFN - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING WAITED ON DECISION ON HOW TO APPROACH HOLE IN CSG TIH RETRIEVED RBP TOOH TIH W/ INJECTION PKR ASSEMBLY 125 JTS TBG, PUMPED 10 BBLS ON TBG DROPPED SV CHASED W/ 25 BBLS RU RIG FLOOR, ND BOPS, NU INJECTION WH, SIWFN **Finalized**
Daily Cost: $0
Cumulative Cost: $62,430

10/29/2013 Day: 8 **Conversion**

WES #2 on 10/29/2013 - Pumped down Ann Guard, set Pkr. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM BLEW DOWN WELL WAITED ON HALLIBURTON 8:00AM 12:00PM RIGGED UP HALLIBURTON, MIXED 50 BBLS OF PKR FLUID PUMPED DOWN CSG, FLUSHED PUMP LINES, MIXED 30 BBLS OF ANN. GUARD, PUMPED DOWN CSG DISPLACED W/ 14.56 BBLS PLACED OVER HOLE FROM 1882'-1892' 12:00PM TO 1:00PM SET PKR W/ 15K TENSION IN LANDED WH, PRESSURED CSG UP TO 1800 PSI HELD FOR 3 HRSBLED DOWN TO 900 PSI 1:00PMM TO 4:00PM HELD PRESSURE ON CSG TELL 4:00PM BLED WELL CSG DOWN TO 0PSI SIWFN 4:00PM TO 5:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 8:00AM BLEW DOWN WELL WAITED ON HALLIBURTON 8:00AM 12:00PM RIGGED UP HALLIBURTON, MIXED 50 BBLS OF PKR FLUID PUMPED DOWN CSG, FLUSHED PUMP LINES, MIXED 30 BBLS OF ANN. GUARD, PUMPED DOWN CSG DISPLACED W/ 14.56 BBLS PLACED OVER HOLE FROM 1882'-1892' 12:00PM TO 1:00PM SET PKR W/ 15K TENSION IN LANDED WH, PRESSURED CSG UP TO 1800 PSI HELD FOR 3 HRSBLED DOWN TO 900 PSI 1:00PMM TO 4:00PM HELD PRESSURE ON CSG TELL 4:00PM BLED WELL CSG DOWN TO 0PSI SIWFN 4:00PM TO 5:30PM CREW TRAVEL
Daily Cost: $0
Cumulative Cost: $67,845

10/30/2013 Day: 9 **Conversion**

WES #2 on 10/30/2013 - Pressure test csg, no test. Circulate out Ann Guard. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 3:00PM PT CSG TO 1400PSI COUD NOT GET TO TEST BLED OFF @ 50PSI PER 30 MIN KEPT BUMPING PRESSURE UP TO 1400 PSI 3:00PM TO 4:00PM ND INJECTION WH RELEASED PKR NU BOPS RD RIG FLOOR 4:00PM TO 7:00PM PUMPED 20 BBLS DOWN TBG CAUGHT CIRCULATION PUMPED 120 BBLS TO CIRCULATE OUT ANN. GUARD SIWFN 7:00PM TO 8:30PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 7:15AM JSA SAFETY MEETING 7:15AM TO 3:00PM PT CSG TO 1400PSI COUD NOT GET TO TEST BLED OFF @ 50PSI PER 30 MIN KEPT BUMPING PRESSURE UP TO 1400 PSI 3:00PM TO 4:00PM ND INJECTION WH RELEASED PKR NU BOPS RD RIG FLOOR 4:00PM TO 7:00PM PUMPED 20 BBLS DOWN TBG CAUGHT CIRCULATION PUMPED 120 BBLS TO CIRCULATE OUT ANN. GUARD SIWFN 7:00PM TO 8:30PM CREW TRAVEL
Daily Cost: $0
Cumulative Cost: $76,872

10/31/2013 Day: 10 **Conversion**

WES #2 on 10/31/2013 - Lay down tubing, nipple up wellhead. - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 12:00PM NEWFIELD SAFTEY MEETING IN VERNAL 12:00PM TO 5:30PM LD 125 JTS TBG ON TRAILER, RU RIG FLOOR, ND BOPS, NU WH BONNET, RD RIG MOSL 5:30PM

TO 7:00PM CREW TRAVEL - 5:30AM TO 7:00AM CREW TRAVEL 7:00AM TO 12:00PM NEWFIELD SAFTEY MEETING IN VERNAL 12:00PM TO 5:30PM LD 125 JTS TBG ON TRAILER, RU RIG FLOOR, ND BOPS, NU WH BONNET, RD RIG MOSL 5:30PM TO 7:00PM CREW TRAVEL
Finalized
Daily Cost: $0
Cumulative Cost: $97,094

11/11/2013 Day: 11 **Conversion**

NC #1 on 11/11/2013 - MURUSU, NU BOP - 5:30-6:00AM C/Travl, SICP 375psi SITP 375psi, OWU, POOH w/ 40-jts, MU Re-entry guide, AS1-X PKR, SN, 59- jts (1877'), BMW H/Oiler pmped 10BW pad, Drp S/V, 10BW to seat, PT Tbg to 3100psi, Observe pressure, 100psi loss in 30min, 50psi loss in 15min, Repressured to 3100psi, No Pressure loss in 30min, GOOD TEST!!, Retrived S/V, MU & RIH w/ PBR,1- 6' perf sub, SN, 5-jts (163'), 6K HRP PKR, 60- jts (1911'), RD workfloor, ND BOP, PU 6' sub, XO WH to 3k w/ hanger seat, MU Tbg hanger, RU H/Oiler to Csg pmped 60BW w/ pkr fluids, RU Tbg to circ d/ flowline, Set AS1-X PKR w/ CE @ 3985.52', BO & LD hanger, NU 3K injection tree (Just for over night shut in), SWIFN...5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl, SICP 375psi SITP 375psi, OWU, POOH w/ 40-jts, MU Re-entry guide, AS1-X PKR, SN, 59- jts (1877'), BMW H/Oiler pmped 10BW pad, Drp S/V, 10BW to seat, PT Tbg to 3100psi, Observe pressure, 100psi loss in 30min, 50psi loss in 15min, Repressured to 3100psi, No Pressure loss in 30min, GOOD TEST!!, Retrived S/V, MU & RIH w/ PBR,1- 6' perf sub, SN, 5-jts (163'), 6K HRP PKR, 60- jts (1911'), RD workfloor, ND BOP, PU 6' sub, XO WH to 3k w/ hanger seat, MU Tbg hanger, RU H/Oiler to Csg pmped 60BW w/ pkr fluids, RU Tbg to circ d/ flowline, Set AS1-X PKR w/ CE @ 3985.52', BO & LD hanger, NU 3K injection tree (Just for over night shut in), SWIFN...5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl, SICP 375psi SITP 375psi, OWU, POOH w/ 40-jts, MU Re-entry guide, AS1-X PKR, SN, 59- jts (1877'), BMW H/Oiler pmped 10BW pad, Drp S/V, 10BW to seat, PT Tbg to 3100psi, Observe pressure, 100psi loss in 30min, 50psi loss in 15min, Repressured to 3100psi, No Pressure loss in 30min, GOOD TEST!!, Retrived S/V, MU & RIH w/ PBR,1- 6' perf sub, SN, 5-jts (163'), 6K HRP PKR, 60- jts (1911'), RD workfloor, ND BOP, PU 6' sub, XO WH to 3k w/ hanger seat, MU Tbg hanger, RU H/Oiler to Csg pmped 60BW w/ pkr fluids, RU Tbg to circ d/ flowline, Set AS1-X PKR w/ CE @ 3985.52', BO & LD hanger, NU 3K injection tree (Just for over night shut in), SWIFN...5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl, SICP 375psi SITP 375psi, OWU, POOH w/ 40-jts, MU Re-entry guide, AS1-X PKR, SN, 59- jts (1877'), BMW H/Oiler pmped 10BW pad, Drp S/V, 10BW to seat, PT Tbg to 3100psi, Observe pressure, 100psi loss in 30min, 50psi loss in 15min, Repressured to 3100psi, No Pressure loss in 30min, GOOD TEST!!, Retrived S/V, MU & RIH w/ PBR,1- 6' perf sub, SN, 5-jts (163'), 6K HRP PKR, 60- jts (1911'), RD workfloor, ND BOP, PU 6' sub, XO WH to 3k w/ hanger seat, MU Tbg hanger, RU H/Oiler to Csg pmped 60BW w/ pkr fluids, RU Tbg to circ d/ flowline, Set AS1-X PKR w/ CE @ 3985.52', BO & LD hanger, NU 3K injection tree (Just for over night shut in), SWIFN...5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl, SICP 70psi, Blow Down, OWU, Start P/U Tbg, RIH W/ SN, & NC, On Bottom, R/U BMW Hot Oiler To Flush Tbg W/ 30 Bbls, Drop S/V, R/U S/Line to seat S/V, POOH w/ S/Line, R/U Hot Oiler To Tbg,17BW to fill, P/Tst Tbg To 3000 Psi, Good Tst, Retrieve S/V, TOOH & RD S/L, POOH w/ 124 - jts (3924') breaking collars & applying liquid 0-ring, TIH w/ 40-jts, SWIFN... 5:30PM to 6:00PM c/tral - 5:30-6:00AM C/Travl, SICP 70psi, Blow Down, OWU, Start P/U Tbg, RIH W/ SN, & NC, On Bottom, R/U BMW Hot Oiler To Flush Tbg W/ 30 Bbls, Drop S/V, R/U S/Line to seat S/V, POOH w/ S/Line, R/U Hot Oiler To Tbg,17BW to fill, P/Tst Tbg To 3000 Psi, Good Tst, Retrieve S/V, TOOH & RD S/L, POOH w/ 124 - jts (3924') breaking collars & applying liquid 0-ring, TIH w/ 40-jts, SWIFN... 5:30PM to 6:00PM c/tral - 5:30-6:00AM C/Travl, SICP 70psi, Blow Down, OWU, Start P/U Tbg, RIH W/ SN, & NC, On Bottom, R/U BMW Hot Oiler To Flush Tbg W/ 30 Bbls, Drop S/V, R/U S/Line to seat S/V, POOH w/ S/Line, R/U Hot Oiler To Tbg,17BW to fill, P/Tst Tbg To 3000 Psi, Good Tst, Retrieve S/V, TOOH & RD S/L, POOH w/ 124 - jts (3924') breaking collars & applying liquid 0-ring, TIH w/ 40-jts, SWIFN... 5:30PM to 6:00PM c/tral - - - - - - - 5:30-6:00AM C/Travl, SICP 70psi, Blow Down, OWU, Start P/U Tbg, RIH W/ SN, & NC,

On Bottom, R/U BMW Hot Oiler To Flush Tbg W/ 30 Bbls, Drop S/V, R/U S/Line to seat S/V, POOH w/ S/Line, R/U Hot Oiler To Tbg,17BW to fill, P/Tst Tbg To 3000 Psi, Good Tst, Retrieve S/V, TOOH & RD S/L, POOH w/ 124 - jts (3924') breaking collars & applying liquid 0-ring, TIH w/ 40-jts, SWIFN... 5:30PM to 6:00PM c/tral - 5:30-6:00AM C/Travl, SICP 70psi, Blow Down, OWU, Start P/U Tbg, RIH W/ SN, & NC, On Bottom, R/U BMW Hot Oiler To Flush Tbg W/ 30 Bbls, Drop S/V, R/U S/Line to seat S/V, POOH w/ S/Line, R/U Hot Oiler To Tbg,17BW to fill, P/Tst Tbg To 3000 Psi, Good Tst, Retrieve S/V, TOOH & RD S/L, POOH w/ 124 - jts (3924') breaking collars & applying liquid 0-ring, TIH w/ 40-jts, SWIFN... 5:30PM to 6:00PM c/tral - 5:30-6:00AM C/Travl, SICP 70psi, Blow Down, OWU, Start P/U Tbg, RIH W/ SN, & NC, On Bottom, R/U BMW Hot Oiler To Flush Tbg W/ 30 Bbls, Drop S/V, R/U S/Line to seat S/V, POOH w/ S/Line, R/U Hot Oiler To Tbg,17BW to fill, P/Tst Tbg To 3000 Psi, Good Tst, Retrieve S/V, TOOH & RD S/L, POOH w/ 124 - jts (3924') breaking collars & applying liquid 0-ring, TIH w/ 40-jts, SWIFN... 5:30PM to 6:00PM c/tral - 5:30-6:00AM C/Travl, SICP 375psi SITP 375psi, OWU, POOH w/ 40-jts, MU Re-entry guide, AS1-X PKR, SN, 59- jts (1877'), BMW H/Oiler pmped 10BW pad, Drp S/V, 10BW to seat, PT Tbg to 3100psi, Observe pressure, 100psi loss in 30min, 50psi loss in 15min, Repressured to 3100psi, No Pressure loss in 30min, GOOD TEST!!, Retrived S/V, MU & RIH w/ PBR,1- 6' perf sub, SN, 5-jts (163'), 6K HRP PKR, 60- jts (1911'), RD workfloor, ND BOP, PU 6' sub, XO WH to 3k w/ hanger seat, MU Tbg hanger, RU H/Oiler to Csg pmped 60BW w/ pkr fluids, RU Tbg to circ d/ flowline, Set AS1-X PKR w/ CE @ 3985.52', BO & LD hanger, NU 3K injection tree (Just for over night shut in), SWIFN...5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl, SICP 375psi SITP 375psi, OWU, POOH w/ 40-jts, MU Re-entry guide, AS1-X PKR, SN, 59- jts (1877'), BMW H/Oiler pmped 10BW pad, Drp S/V, 10BW to seat, PT Tbg to 3100psi, Observe pressure, 100psi loss in 30min, 50psi loss in 15min, Repressured to 3100psi, No Pressure loss in 30min, GOOD TEST!!, Retrived S/V, MU & RIH w/ PBR,1- 6' perf sub, SN, 5-jts (163'), 6K HRP PKR, 60- jts (1911'), RD workfloor, ND BOP, PU 6' sub, XO WH to 3k w/ hanger seat, MU Tbg hanger, RU H/Oiler to Csg pmped 60BW w/ pkr fluids, RU Tbg to circ d/ flowline, Set AS1-X PKR w/ CE @ 3985.52', BO & LD hanger, NU 3K injection tree (Just for over night shut in), SWIFN...5:30PM to 6:00PM c/travl
Daily Cost: $0
Cumulative Cost: $99,267

11/14/2013 Day: 14 **Conversion**

NC #1 on 11/14/2013 - PT upper half of Tbg, Set HRP PKR - 5:30-6:00AM C/Travl: SITP 0psi SIP on 1.900" 180psi, Bleed down pressure, OWU, BMW H/Oiler Pressured up Tbg above PBR to 1050psi 7BW to fill, 50psi loss in 30min, Bleed off, ND BOP, XO 3K injection tree bottom flange to fit 1.900" hanger, RU H/Oiler to upper tbg, 0BW to fill, PT to 1550psi for 60min, NO PRESSURE LOSS, GOOD TEST, RDMOSU @ 1:00PM, FINAL RIG REPORT!!! READY FOR MIT!! - 5:30-6:00AM C/Travl: SITP 0psi SIP on 1.900" 180psi, Bleed down pressure, OWU, BMW H/Oiler Pressured up Tbg above PBR to 1050psi 7BW to fill, 50psi loss in 30min, Bleed off, ND BOP, XO 3K injection tree bottom flange to fit 1.900" hanger, RU H/Oiler to upper tbg, 0BW to fill, PT to 1550psi for 60min, NO PRESSURE LOSS, GOOD TEST, RDMOSU @ 1:00PM, FINAL RIG REPORT!!! READY FOR MIT!! - 5:30-6:00AM C/Travl: SITP 0psi SIP on 1.900" 180psi, Bleed down pressure, OWU, BMW H/Oiler Pressured up Tbg above PBR to 1050psi 7BW to fill, 50psi loss in 30min, Bleed off, ND BOP, XO 3K injection tree bottom flange to fit 1.900" hanger, RU H/Oiler to upper tbg, 0BW to fill, PT to 1550psi for 60min, NO PRESSURE LOSS, GOOD TEST, RDMOSU @ 1:00PM, FINAL RIG REPORT!!! READY FOR MIT!! - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, BMW H/Oiler pmped 25BW d/ Tbg to control gas, Recieved WH (XO WH bolts cut to wrong length), MU 1.900" WH, XO for 1.900", Shut down for company BBQ, MU & RIH w/ 1.900" stinger, PU 63- jts of 1.9, Stung into PBR @ 2105', SWIFN..5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, BMW H/Oiler pmped 25BW d/ Tbg to control gas, Recieved WH (XO WH bolts cut to wrong length), MU 1.900" WH, XO for 1.900", Shut down for company BBQ, MU & RIH w/ 1.900" stinger, PU 63- jts of 1.9, Stung into PBR @ 2105', SWIFN..5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, BMW H/Oiler pmped 25BW d/ Tbg to control gas, Recieved WH (XO WH bolts cut to

wrong length), MU 1.900" WH, XO for 1.900", Shut down for company BBQ, MU & RIH w/ 1.900" stinger, PU 63- jts of 1.9, Stung into PBR @ 2105', SWIFN..5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, ND injection tree, MU Tbg hanger, BMW H/Oiler pmped 15BW pad, Drop S/V, 7BW to seat S/V, PT Tbg 1500psi for 60min, No pressure loss, GOOD TEST!, Retrived S/V, Set HRP PKR @ 1950psi CE @ 1926.24', Held 3000psi for 30min, NU BOP for a SI, Waiting on 1.900" WH flange still not ready, SWIFN..5:30PM to 6:00PM - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, ND injection tree, MU Tbg hanger, BMW H/Oiler pmped 15BW pad, Drop S/V, 7BW to seat S/V, PT Tbg 1500psi for 60min, No pressure loss, GOOD TEST!, Retrived S/V, Set HRP PKR @ 1950psi CE @ 1926.24', Held 3000psi for 30min, NU BOP for a SI, Waiting on 1.900" WH flange still not ready, SWIFN..5:30PM to 6:00PM - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, ND injection tree, MU Tbg hanger, BMW H/Oiler pmped 15BW pad, Drop S/V, 7BW to seat S/V, PT Tbg 1500psi for 60min, No pressure loss, GOOD TEST!, Retrived S/V, Set HRP PKR @ 1950psi CE @ 1926.24', Held 3000psi for 30min, NU BOP for a SI, Waiting on 1.900" WH flange still not ready, SWIFN..5:30PM to 6:00PM - 5:30-6:00AM C/Travl: SITP 0psi SIP on 1.900" 180psi, Bleed down pressure, OWU, BMW H/Oiler Pressured up Tbg above PBR to 1050psi 7BW to fill, 50psi loss in 30min, Bleed off, ND BOP, XO 3K injection tree bottom flange to fit 1.900" hanger, RU H/Oiler to upper tbg, 0BW to fill, PT to 1550psi for 60min, NO PRESSURE LOSS, GOOD TEST, RDMOSU @ 1:00PM, FINAL RIG REPORT!!! READY FOR MIT!! - 5:30-6:00AM C/Travl: SITP 0psi SIP on 1.900" 180psi, Bleed down pressure, OWU, BMW H/Oiler Pressured up Tbg above PBR to 1050psi 7BW to fill, 50psi loss in 30min, Bleed off, ND BOP, XO 3K injection tree bottom flange to fit 1.900" hanger, RU H/Oiler to upper tbg, 0BW to fill, PT to 1550psi for 60min, NO PRESSURE LOSS, GOOD TEST, RDMOSU @ 1:00PM, FINAL RIG REPORT!!! READY FOR MIT!! - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, ND injection tree, MU Tbg hanger, BMW H/Oiler pmped 15BW pad, Drop S/V, 7BW to seat S/V, PT Tbg 1500psi for 60min, No pressure loss, GOOD TEST!, Retrived S/V, Set HRP PKR @ 1950psi CE @ 1926.24', Held 3000psi for 30min, NU BOP for a SI, Waiting on 1.900" WH flange still not ready, SWIFN..5:30PM to 6:00PM - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, ND injection tree, MU Tbg hanger, BMW H/Oiler pmped 15BW pad, Drop S/V, 7BW to seat S/V, PT Tbg 1500psi for 60min, No pressure loss, GOOD TEST!, Retrived S/V, Set HRP PKR @ 1950psi CE @ 1926.24', Held 3000psi for 30min, NU BOP for a SI, Waiting on 1.900" WH flange still not ready, SWIFN..5:30PM to 6:00PM - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, ND injection tree, MU Tbg hanger, BMW H/Oiler pmped 15BW pad, Drop S/V, 7BW to seat S/V, PT Tbg 1500psi for 60min, No pressure loss, GOOD TEST!, Retrived S/V, Set HRP PKR @ 1950psi CE @ 1926.24', Held 3000psi for 30min, NU BOP for a SI, Waiting on 1.900" WH flange still not ready, SWIFN..5:30PM to 6:00PM - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, BMW H/Oiler pmped 25BW d/ Tbg to control gas, Recieved WH (XO WH bolts cut to wrong length), MU 1.900" WH, XO for 1.900", Shut down for company BBQ, MU & RIH w/ 1.900" stinger, PU 63- jts of 1.9, Stung into PBR @ 2105', SWIFN..5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, BMW H/Oiler pmped 25BW d/ Tbg to control gas, Recieved WH (XO WH bolts cut to wrong length), MU 1.900" WH, XO for 1.900", Shut down for company BBQ, MU & RIH w/ 1.900" stinger, PU 63- jts of 1.9, Stung into PBR @ 2105', SWIFN..5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl: SICP 0psi SITP 0psi, BMW H/Oiler pmped 25BW d/ Tbg to control gas, Recieved WH (XO WH bolts cut to wrong length), MU 1.900" WH, XO for 1.900", Shut down for company BBQ, MU & RIH w/ 1.900" stinger, PU 63- jts of 1.9, Stung into PBR @ 2105', SWIFN..5:30PM to 6:00PM c/travl - 5:30-6:00AM C/Travl: SITP 0psi SIP on 1.900" 180psi, Bleed down pressure, OWU, BMW H/Oiler Pressured up Tbg above PBR to 1050psi 7BW to fill, 50psi loss in 30min, Bleed off, ND BOP, XO 3K injection tree bottom flange to fit 1.900" hanger, RU H/Oiler to upper tbg, 0BW to fill, PT to 1550psi for 60min, NO PRESSURE LOSS, GOOD TEST, RDMOSU @ 1:00PM, FINAL RIG REPORT!!! READY FOR MIT!! **Finalized**

Daily Cost: $0

Cumulative Cost: $124,693

11/19/2013 Day: 17 **Conversion**

Rigless on 11/19/2013 - Conduct initial MIT - On 11/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/15/2013 the casing was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 225 psig during the test. There was not a State representative available to witness the test. - On 11/15/2013 Chris Jensen with the State of Utah DOGM was contacted concerning the initial MIT on the above listed well. On 11/15/2013 the casing was pressured up to 1415 psig and charted for 30 minutes with no pressure loss. The well was not injecting during the test. The tubing pressure was 225 psig during the test. There was not a State representative available to witness the test. **Finalized**
Daily Cost: $0
Cumulative Cost: $224,218

Pertinent Files: Go to File List

Pan American 1FR-9-16

Spud Date: 1/5/06

Put on Production: 2/9/06

GL: 5529' KB: 5541'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT:24#

DEPTH LANDED: 309'

HOLE SIZE: 15"

CEMENT DATA: 230 sxs cement.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 132 jts. (5479.96')

DEPTH LANDED: 5477.96' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ.

CEMENT TOP AT: 1290'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

TBG HANGER 2-7/8" (0.9)

NO. OF JOINTS: 60 jts (1910.6')

HPR PACKER 5-1/2 x 2-7/8 CE @ 1926'

NO. OF JOINTS: 5 jt (162.7)

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 2092.4' KB

PERFORATED PUP 2-7/8" J-55 AT: 2093.5'

PBR SUB 2-7/8" AT: 2099.7'

NO. OF JOINTS: 59 jts (1845.2')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3949.7' KB

ARROW #1 PACKER CE AT: 3954'

RE ENTRY GUIDE AT: 3957.7'

TOTAL STRING LENGTH: EOT @ 3958.19'

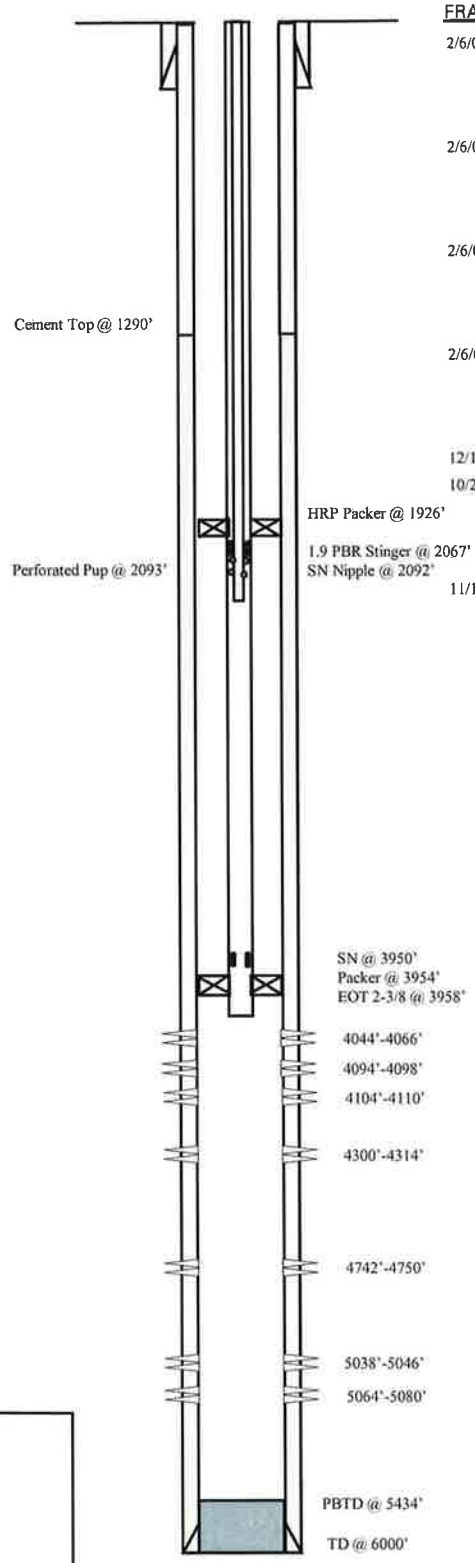
INNER STRING

Tbg Hanger & XO 1.9" tbg

NO. OF JOINTS: 62 jt (2056')

PBR STINGER AT: 2067'

Injection Wellbore Diagram



FRAC JOB

2/6/06	5038'-5080'	**Frac A1&3 sands as follows:** 70,448# 20/40 sand in 562 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 5036 gal. Actual flush: 5040 gal.
2/6/06	4742'-4750'	**Frac C sands as follows:** 34,710# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1978 psi w/avg rate of 24.8 BPM. ISIP 1980 psi. Calc flush: 4740 gal. Actual flush: 4746 gal.
2/6/06	4300'-4314'	**Frac PB10 sands as follows:** 35,142# 20/40 sand in 348 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 24.8 BPM. ISIP 2060 psi. Calc flush: 4298 gal. Actual flush: 4326 gal.
2/6/06	4044'-4110'	**Frac GB6 sands as follows:** 67,736# 20/40 sand in 511 bbls Lightning 17 frac fluid. Treated @ avg press of 1805 w/ avg rate of 24.9 BPM. ISIP 1820 psi. Calc flush: 4042 gal. Actual flush: 3906 gal.
12/13/06		**Pump Change:** Rod & Tubing detail updated.
10/28/13	**Anguard**	Rigged up Halliburton, Mixed 50 BBLS of PKR Fluid pumped down CSG, Flushed Pump Lines, Mixed **30 BBLS of Anguard**, Pumped Down CSG Displaced W/ 14.56 BBLS Placed Over Hole from 1882'-1892'
11/15/13		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

2/1/06	5064'-5080'	4 JSPF	64 holes
2/1/06	5038'-5046'	4 JSPF	32 holes
2/6/06	4742'-4750'	4 JSPF	32 holes
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2/6/06	4104'-4110'	4 JSPF	24 holes
2/6/06	4094'-4098'	4 JSPF	16 holes
2/6/06	4044'-4066'	4 JSPF	88 holes

NEWFIELD

Pan American 1FR-9-16

663' FNL & 663' FWL

NW/NW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-10822; Lease #UTU-75039

LCN 11/21/13

NEWFIELD

Newfield Exploration Company
1001 17th Street | Suite 2000
Denver, Colorado 80202
PH 303-893-0102 | FAX 303-893-0103

May 8, 2013

Mr. Mark Reinbold
State of Utah
Division of Oil, Gas and Mining
1594 W North Temple
Salt Lake City, Utah 84114-5801

RE: Permit Application for Water Injection Well
Pan American #1FR-9-16
Monument Butte Field, Lease #UTU-75039
Section 13-Township 9S-Range 16E
Duchesne County, Utah

Dear Mr. Reinbold:

Newfield Production Company herein requests approval to convert the Pan American #1FR-9-16 from a producing oil well to a water injection well in the Monument Butte (Green River) Field.

I hope you find this application complete; however, if you have any questions or require additional information, please contact me at (303) 893-0102.

Sincerely,

Eric Sundberg
Environmental Manager

NEWFIELD PRODUCTION COMPANY

APPLICATION FOR APPROVAL OF CLASS II INJECTION WELL

PAN AMERICAN #1FR-9-16

MONUMENT BUTTE FIELD (GREEN RIVER) FIELD

LEASE #UTU-75039

MAY 8, 2013

TABLE OF CONTENTS

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR Newfield Production Company
ADDRESS 1001 17th Street, Suite 2000
Denver, Colorado 80202

Well Name and number: Pan American #1FR-9-16
Field or Unit name: Monument Butte (Green River) Lease No. UTU-75039
Well Location: QQ NWNW section 13 township 9S range 16E county Duchesne

Is this application for expansion of an existing project? . . . . . Yes [X] No [ ]
Will the proposed well be used for: Enhanced Recovery? . . . . . Yes [X] No [ ]
Disposal? . . . . . Yes [ ] No [X]
Storage? . . . . . Yes [ ] No [X]
Is this application for a new well to be drilled? . . . . . Yes [ ] No [X]
If this application is for an existing well,
has a casing test been performed on the well?. . . . . Yes [ ] No [X]
Date of test:
API number: 43-013-10822

Proposed injection interval: from 3874 to 5434
Proposed maximum injection: rate 500 bpd pressure 1794 psig
Proposed injection zone contains [x] oil, [ ] gas, and/or [ ] fresh water within 1/2 mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: Attachments "A" through "H-1"

I certify that this report is true and complete to the best of my knowledge.

Name: Eric Sundberg Signature
Title Environmental Manager Date 5/8/13
Phone No. (303) 893-0102

(State use only)
Application approved by Title
Approval Date

Comments:

Pan American #1FR-9-16

Spud Date: 1/5/06
Put on Production: 2/9/06
GL: 5529' KB: 5541'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
DEPTH LANDED: 309'
HOLE SIZE: 12 1/4"
CEMENT DATA: 230 sxs cement.

PRODUCTION CASING

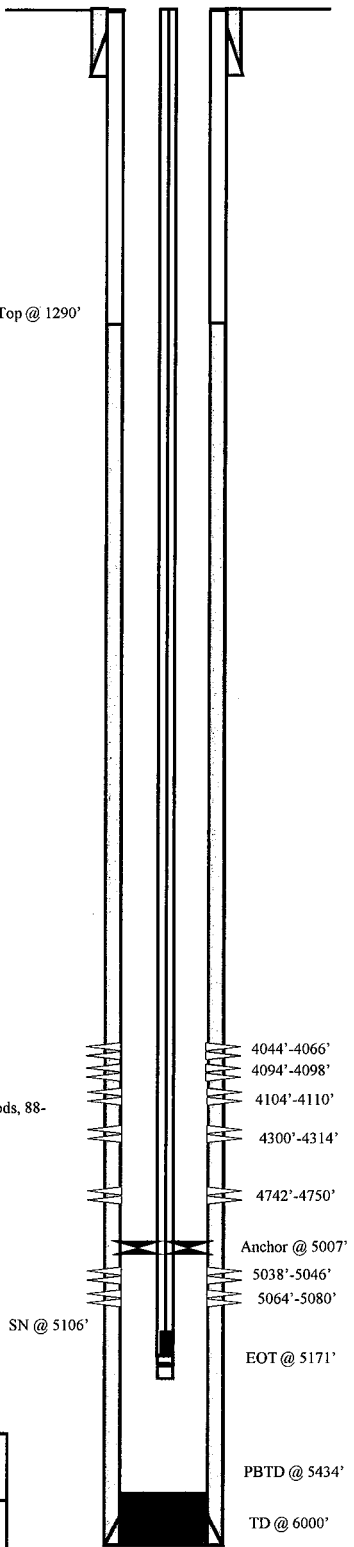
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 132 jts. (5479.96')
DEPTH LANDED: 5477.96' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ.
CEMENT TOP AT: 1290'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 157 jts (4995.27')
TUBING ANCHOR: 5007.27' KB
NO. OF JOINTS: 3 jts (96.02')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5106.09' KB
NO. OF JOINTS: 2 jts (62.92')
TOTAL STRING LENGTH: EOT @ 5170.56' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' polished rod
SUCKER RODS: 1-8',1-6', 1-4', 1-2' x ¾" ponies, 99- ¾" scrapered rods, 88- ¾" plain rods, 10- ¾" scrapered rods, 6-1 ½" weight rods
PUMP SIZE: 2-1/2" x 1-1/2" x 14' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM



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NEWFIELD

Pan American #1FR-9-16

663' FNL & 663' FWL

NW/NW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-10822; Lease #UTU-75039

TW 01-19-07

WORK PROCEDURE FOR INJECTION CONVERSION

1. Rig up hot oil truck to casing. Pump water. Unseat pump. Flush rods. Trip out of hole with rods and pump.

2. Trip out of hole with tubing, breaking and doping every connection. Trip in hole with packer and tubing. Rig up water truck to casing. Pump packer fluid. Set packer.

3. Test casing and packer.

4. Rig down and move out.

REQUIREMENTS FOR INJECTION OF FLUIDS INTO RESERVOIRS
RULE R615-5-1

1. **Operations to increase ultimate recovery, such as cycling of gas, the maintenance of pressure, the introduction of gas, water or other substances into a reservoir for the purpose of secondary or other enhanced recovery or for storage and the injection of water into any formation for the purpose of water disposal shall be permitted only by order of the Board after notice and hearing.**

2. **A request for agency action for authority for the injection of gas, liquified petroleum gas, air, water or any other medium into any formation for any reason, including but not necessarily limited to the establishment of or the expansion of waterflood projects, enhanced recovery projects, and pressure maintenance projects shall contain:**

2.1 The name and address of the operator of the project.

Newfield Production Company
1001 17th Street, Suite 2000
Denver, Colorado 80202

2.2 A plat showing the area involved and identifying all wells, including all proposed injection wells, in the project area and within one-half mile of the project area.

See Attachment A.

2.3 A full description of the particular operation for approval is requested.

Approval is requested to convert the Pan American #1FR-9-16 from a producing oil well to a water injection well in Monument Butte (Green River) Field.

2.4 A description of the pools from which the identified wells are producing or have produced.

The proposed injection well will inject into the Green River Formation.

2.5 The names, description and depth of the pool or pools to be affected.

The injection zone is in the Green River Formation. For the Pan American #1FR-9-16 well, the proposed injection zone is from Garden Gulch to Basal Carbonate (3874' - 5434'). The confining strata directly above and below the injection zones are the Garden Gulch and the top of the Wasatch Formation or TD, which ever is shallower. The Garden Gulch Marker top is at 3552' and the TD is at 6000'.

2.6 A copy of a log of a representative well completed in the pool.

The referenced log for the Pan American #1FR-9-16 is on file with the Utah Division of Oil, Gas and Mining.

2.7 A statement as to the type of fluid to be used for injection, its source and the estimated amounts to be injected daily.

The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The average estimated injection of fluids will be at a rate of 300 BPD, and the estimated maximum injection will be at a rate of 500 BPD.

2.8 A list of all operators and surface owners within one-half mile radius of the proposed project.

See Attachment B.

2.9 An affidavit certifying that said operators or owners and surface owners within a one-half mile radius have been provided a copy of the petition for injection.

See Attachment C.

2.10 Any additional information the Board may determine is necessary to adequately review the petition.

Newfield Production Company will supply any additional information requested by the Utah Division of Oil, Gas and Mining.

4.0 Establish recovery projects may be expanded and additional wells placed on injection only upon authority from the Board after notice and hearing or by administrative approval.

This proposed injection well is on a Federal lease (Lease #UTU-75039) in the Monument Butte Federal (Green River) Field, and this request is for administrative approval.

REQUIREMENTS FOR CLASS II INJECTION WELLS INCLUDING WATER DISPOSAL, STORAGE AND ENHANCED RECOVERY WELLS
SECTION V – RULE R615-5-2

1. **Injection well shall 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. **The application for an injection well shall include a properly completed Form DOGM-UIC-1 and the following:**

   2.1 **A plat showing the location of the injection well, all abandoned or active wells within a one-half mile radius of the proposed wells, 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.**

   See Attachments A and B.

   2.2 **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.**

   All logs are on file with the Utah Division of Oil, Gas and Mining.

   2.3 **A copy of a cement bond or comparable log run for the proposed injection well after casing was set and cemented.**

   A copy of the cement bond log is on file with the Utah Division of Oil, Gas and Mining.

   2.4 **Copies of logs already on file with the Division should be referenced, but need not be refiled.**

   All copies of logs are on file with the Utah Division of Oil, Gas and Mining.

   2.5 **A description of the casing or proposed casing program of the injection well and of the proposed method for testing the casing before use of the well.**

   The casing program is 8-5/8", 24# surface casing run to 309' KB, and 5-1/2", 15.5# casing run from surface to 5478' KB. A casing integrity test will be conducted at the time of conversion. See Attachment E.

   2.6 **A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily.**

   The primary type and source of fluid to be used for injection will be culinary water commingled with produced water. The estimated average rate of injection will be 300 BPD, and the estimated maximum rate of injection will be 500 BPD.

   2.7 **Standard laboratory analysis of the fluid to be injected, the fluid in the formation into which the fluid is being injected, and the compatibility of the fluids.**

   See Attachment F.

The proposed average and maximum injection pressures.

The proposed average injection pressure will be approximately 1100 psig and the maximum injection pressure will not exceed 1794 psig.

2.8 Evidence and data to support a finding that the proposed injection well 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.

The minimum fracture gradient for the Pan American #1FR-9-16, for existing perforations (4044' - 5080') calculates at 0.88 psig/ft. The maximum injection pressures will be limited so as not to exceed this gradient. A step rate test will be performed periodically to ensure we are below parting pressure. The proposed maximum injection pressure is 1794 psig. We may add additional perforations between 3552' and 6000'. See Attachments G and G-1.

2.9 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent.

In the Pan American #1FR-9-16, the proposed injection zone (3874' - 5434') is in the Garden Gulch to the Basal Carbonate of the Green River Formation. The reservoir is a very fine-grained sandstone with minor imbedded shale streaks. The estimated porosity is 13%. The members are composed of porous and permeable lenticular calcareous sandstone and low porosity carbonates and calcareous shale. The porous and lenticular sandstone varies in thickness from 0-31' and is confined to the Monument Butte Federal Field. Outside the Monument Butte Federal Field, the sandstone is composed of tight, very fine, silty, calcareous sandstone, less than 3' thick. The stratum confining the injection zone is composed of tight, moderately calcareous, sandy lacustrine shale. All of the confining strata are impermeable, and will effectively seal off the oil, gas, and water of the injection zone from any strata directly above or below it.

2.10 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter the improper intervals.

See Attachments E through E-18.

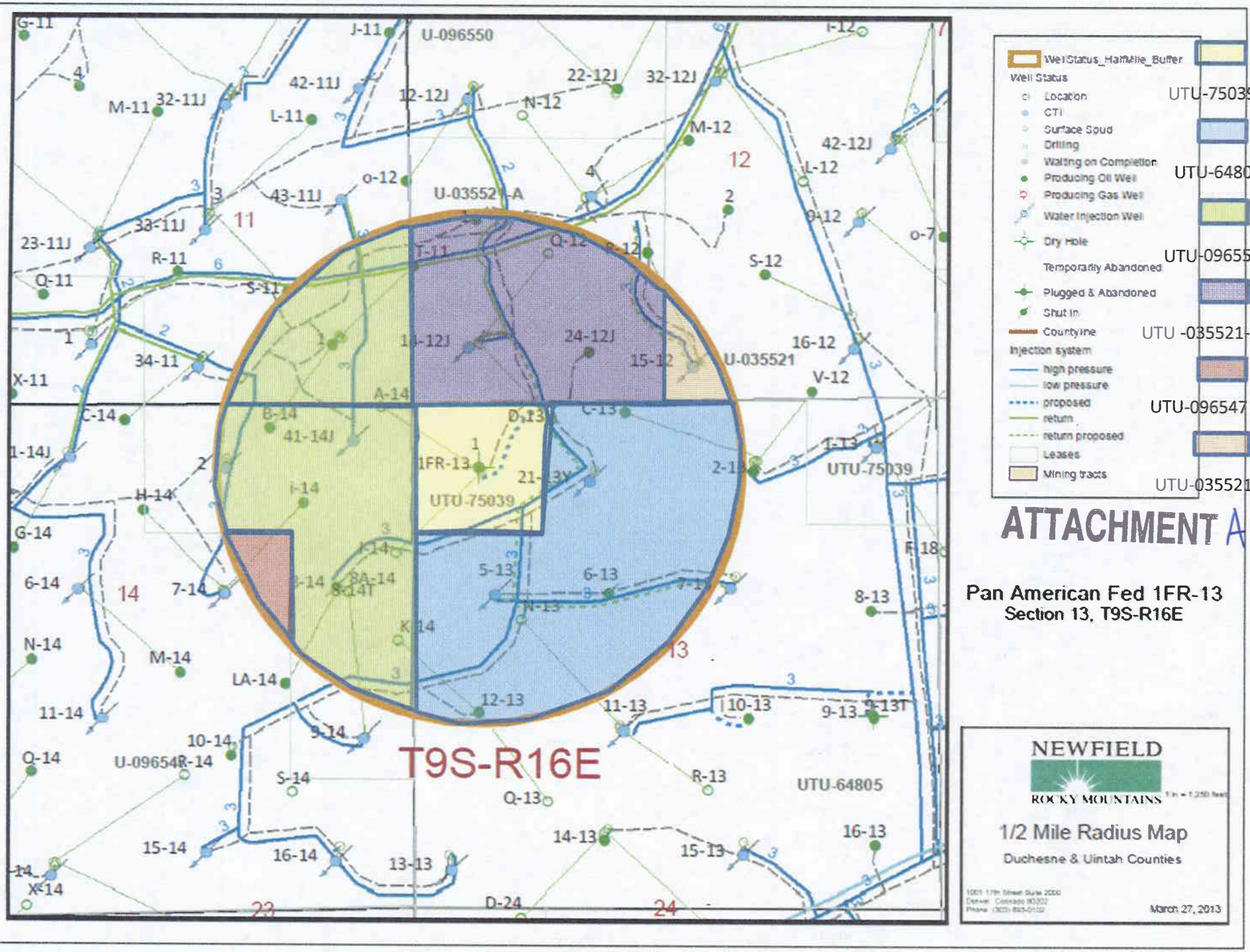
Additionally, the injection system will be equipped with high and low pressure shut down devices that will automatically shut in injection waters if a system blockage or leakage occurs. One way check valves will also ensure proper flow management. Relief valves will also be utilized for high-pressure relief.

2.11 An affidavit certifying that a copy of the application has been provided to all operators or owners, and surface owners within a one-half mile radius of the proposed injection well.

See Attachment C.

2.12 Any other information that the Board or Division may determine is necessary to adequately review the application.

Newfield Production Company will supply any requested information to the Board or Division.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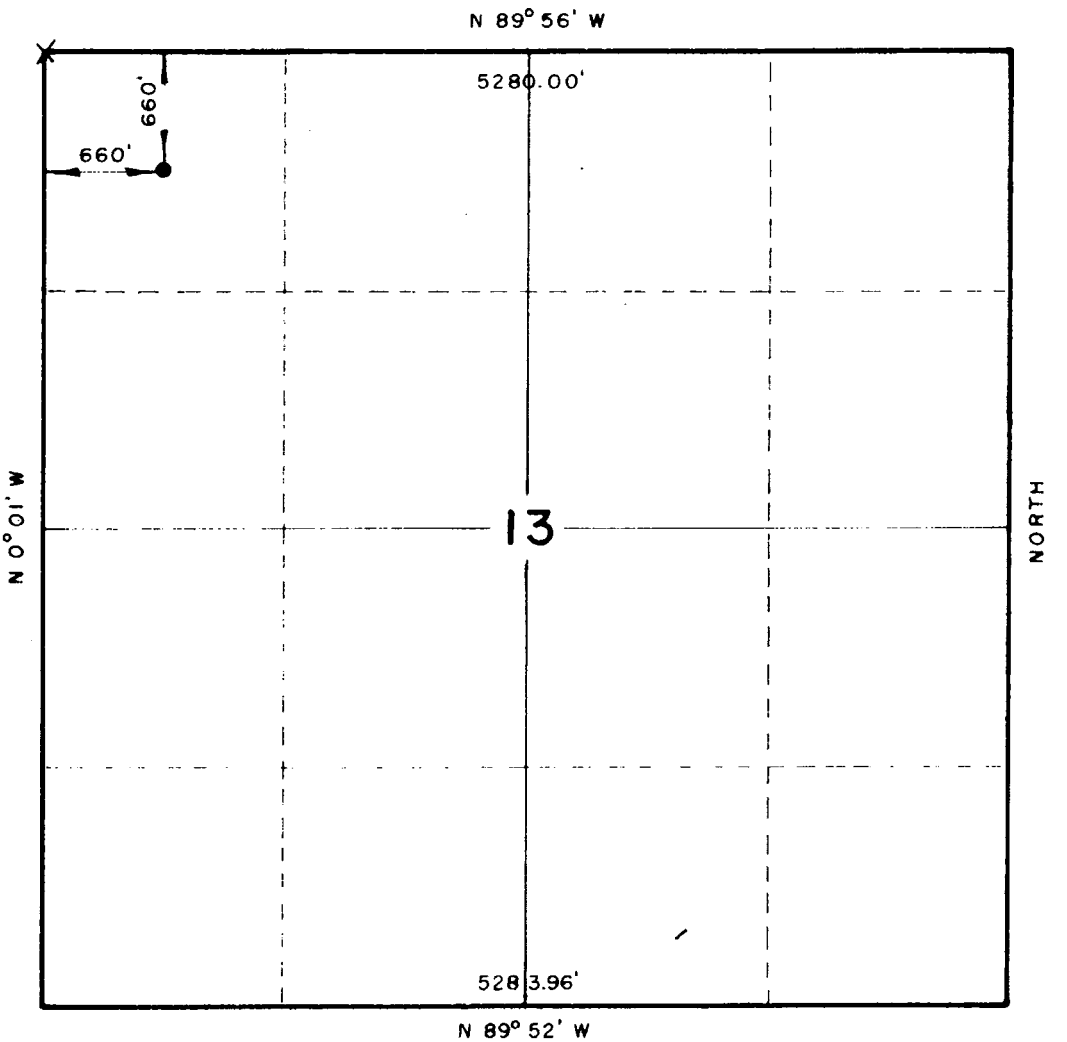
Well Status
Location
CTI
Surface Spud
Drilling
Waiting on Completion
Producing Oil Well
Producing Gas Well
Water Injection Well
Dry Hole
Temporarily Abandoned
Plugged & Abandoned
Shut In
Countyline
Injection system
high pressure
low pressure
proposed
return
return proposed
Leases
Mining tracts
UTU-75039
UTU-64805
UTU-096550
UTU -035521-A
UTU-096547
UTU-035521
ATTACHMENT A
Pan American Fed 1FR-13
Section 13, T9S-R16E
T9S-R16E
NEWFIELD
ROCKY MOUNTAINS
1/2 Mile Radius Map
Duchesne & Uintah Counties
March 27, 2013

ATTACHMENT A-1

T9S, R16E, SL B&M



X = Corners Located (Brass Caps)

Scale: 1" = 1000'

Nelson J. Marshall

By: ROSS CONSTRUCTION CO.
Vernal, Utah

PARTY N. J. Marshall R. Stewart WEATHER Clear - Warm	SURVEY PAN AMERICAN PETROLEUM CORP. U.S.A. PAN AM FB #1 WELL LOCATION, LOCATED AS SHOWN IN THE NW1/4 NW1/4 OF SECTION 13, T 9 S, R 16 E, SL B & M, DUCHESNE CO., UTAH	DATE May 23, 1964 REFERENCES GLO Plat Approved Sept. 23, 1911 FILE Pan Am

FORM 5211-2

EXHIBIT B

#	Legal Description	Lessor & Expiration	Lessee & Operating Rights	Surface Owner
1	T9S-R16E SLM Section 13: NENE, NWNW	USA UTU-75039 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
2	T9S-R16E SLM Section 13: NWNE, NENW, S2N2, S2	USA UTU-64805 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
3	T9S-16E SLM Section 11: E2, NW, NESW Section 12: NW Section 14: N2NE, SENE, NESE	USA UTU-096550 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
4	T9S-R16E SLM Section 12: SW	USA UTU-035521-A HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp Carl B Field Montana & Wyoming Oil Company MYCO Industries Inc OXY Y-1 Company Vaughey & Vaughey Bonnie B Warne John R Warne	USA

			Yates Petroleum Corp	
5	T9S-R16E SLM Section 11: W2SW, SESW Section 14: SWNE, W2, W2SE, SESE	USA UTU-096547 HBP	Newfield Production Company Newfield RMI LLC ABO Petro Corp MYCO Industries Inc OXY Y-1 Company Yates Petroleum Corp	USA
6	T9S-R16E SLM Section 12: S2NE, SE	USA UTU -035521 HBP	Newfield Production Company Newfield RMI LLC ABO Petroleum Corp Carl B Field Montana & Wyoming Oil CO MYCO Industries Inc OXY Y-1 Company Vaughey & Vaughey Bonnie B Warne John R Warne Yates Petroleum Corp	

ATTACHMENT C

CERTIFICATION FOR SURFACE OWNER NOTIFICATION

RE: Application for Approval of Class II Injection Well
Pan American #1FR-9-16

I hereby certify that a copy of the injection application has been provided to all surface owners within a one-half mile radius of the proposed injection well.

Signed: _____
Newfield Production Company
Eric Sundberg
Environmental Manager

Sworn to and subscribed before me this 8th day of May, 2013.

Notary Public in and for the State of Colorado: Lydia Biondo

My Commission Expires: 12/31/15

LYDIA BIONDO
Notary Public
State of Colorado

Attachment E

Pan American #1FR-9-16

Spud Date: 1/5/06
Put on Production: 2/9/06
GL: 5529' KB: 5541'

Initial Production: BOPD, MCFD, BWPD

Proposed Injection Wellbore Diagram

SURFACE CASING

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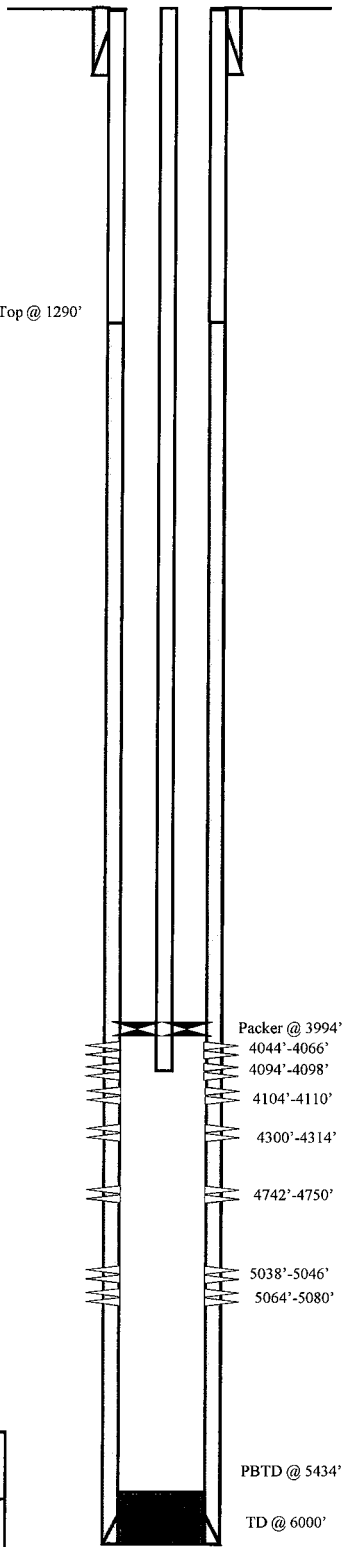

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2/6/06	4742'-4750'	**Frac C sands as follows:** 34,710# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1978 psi w/avg rate of 24.8 BPM. ISIP 1980 psi. Calc flush: 4740 gal. Actual flush: 4746 gal.
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663' FNL & 663' FWL
NW/NW Section 13-T9S-R16E
Duchesne Co, Utah
API #43-013-10822; Lease #UTU-75039

JL 3/6/2013

ATTACHMENT E-1

Federal 5-13-9-16

Spud Date:09/22/05
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Injection Wellbore Diagram

SURFACE CASING

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LENGTH: 7 jts. (301.7')
DEPTH LANDED: 312.6' KB
HOLE SIZE:12-1/4"
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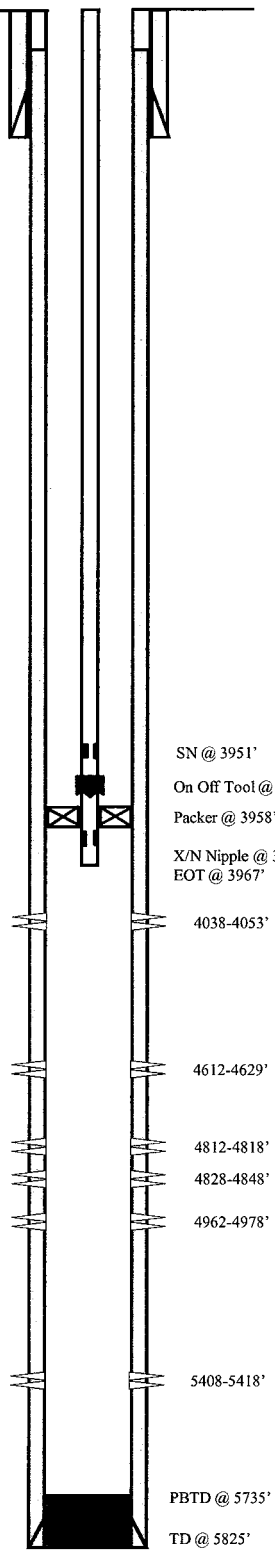
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 135 jts. (5802.05')
DEPTH LANDED: 5801.3' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 450 sxs 50/50 POZ.
CEMENT TOP: 100'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 131??? jts (3939.1')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 3951.1' KB
ON/OFF TOOL AT: 3952.2'
ARROW #1 PACKER CE AT: 3958.1'
XO 2-3/8 x 2-7/8 J-55 AT: 3961.0'
TBG PUP 2-3/8 J-55 AT: 3961.5'
X/N NIPPLE AT: 3965.5'
TOTAL STRING LENGTH: EOT @ 3967.13'



FRAC JOB

11/01/05	5408-5418'	**Frac CP1 sands as follows:** 34070# 20/40 sand in 392 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.7 BPM. ISIP 2200 psi. Calc flush: 5406 gal. Actual flush: 5124 gal.
11/01/05	4962-4978'	**FracA1 sands as follows:** 89150# 20/40 sand in 655 bbls Lightning 17 frac fluid. Treated @ avg press of 1591 psi w/avg rate of 24.7 BPM. ISIP 2100 psi. Calc flush: 4960 gal. Actual flush: 4746 gal.
11/04/05	4812-4848'	**Frac B1, B2 sands as follows:** 158872# 20/40 sand in 1078 bbls Lightning17 frac fluid. Treated @ avg press of 1550 psi w/avg rate of 24.7 BPM. ISIP 2000 psi. Calc flush: 4810 gal. Actual flush: 4582 gal.
11/02/05	4612-4629'	**Frac D2 sands as follows:** 29350# 20/40 sand in 344 bbls Lightning 17 frac fluid. Treated @ avg press of 1762 psi w/avg rate of 24.8 BPM. ISIP 2000 psi. Calc flush: 4610 gal. Actual flush: 4326 gal.
11/02/05	4038-4053'	**Frac GB6 sands as follows:** 83194# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 1388 psi w/avg rate of 24.7 BPM. ISIP 1900 psi. Calc flush: 4036 gal. Actual flush: 3944 gal.
9/16/09		**Pump Change.** Updated rod & tubing details.
2/23/12		**Tubing Leak:** Updated rod & tubing detail
02/18/13		**Convert to Injection Well**
02/19/13		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

11/01/05	5408-5418'	4 JSPF	40 holes
11/01/05	4962-4978'	4 JSPF	64 holes
11/01/05	4828-4848'	4 JSPF	80 holes
11/01/05	4812-4818'	4 JSPF	24 holes
11/02/05	4612-4629'	4 JSPF	68 holes
11/02/05	4038-4053'	4 JSPF	60 holes

NEWFIELD

Federal 5-13-9-16
1981' FNL & 820' FWL
SW/NW Section 13-T9S-R16E
Duchesne Co, Utah
API #43-013-32658; Lease #UTU-64805

LCN 02/20/13

ATTACHMENT E-2

Federal 6-13-9-16

Wellbore Diagram

P & A

Spud Date: 9/26/2005
Put on Production:

GL: 5514' KB: 5526'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (303.52')

DEPTH LANDED: 313.52'

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt, circ. 5.5 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 132 jts. (5815.38')

DEPTH LANDED: 5813.38'

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II & 450 sxs 50/50 POZ. 9 bbls to surf.

CEMENT TOP AT: No CBL run

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: jts (')

TUBING ANCHOR:

NO. OF JOINTS: 1 jts (')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT:

NO. OF JOINTS: jts (')

TOTAL STRING LENGTH: EOT @

SUCKER RODS

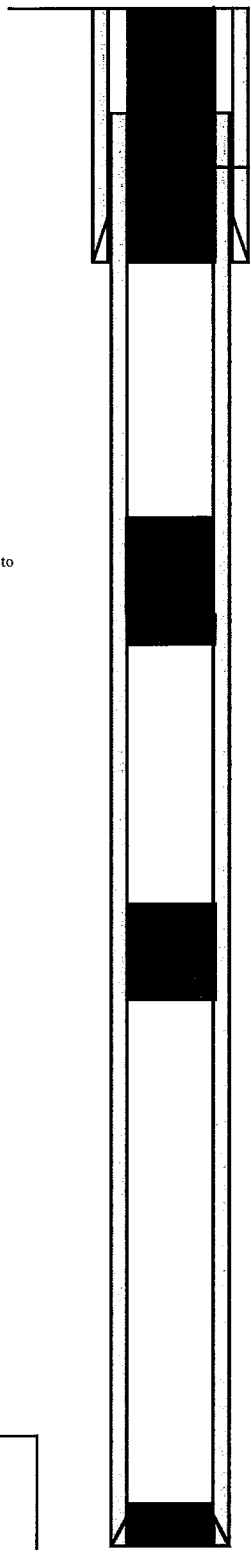
POLISHED ROD:

SUCKER RODS:

PUMP SIZE:

STROKE LENGTH:

PUMP SPEED, SPM:



Cement Plug 0'-314'
15.5 sxs Class G Cement

Plug # 2 – Green River TOC 1168'
50 sxs Class G Cement plug on top of CIBP
CIBP @ 1400'

Plug # 1 – Garden Gulch TOC @ 3355'
18 sxs Class G Cement plug on top of CIBP
CIBP @ 3510'

TD @ 5825'

FRAC JOB

03-2006	**Operations Suspended**
09/19/12	**P&A** – CIBP @ 3510" TOC @ 3355', CIBP @ 1400' TOC @ 1168, 15.5 sacks Class G cement down both casings to surface. Stoney Anderton w/ BLM witnessed the P&A. Weld plate, back fill hole, dig up deadmen & cut off 3' below ground level. South Slope Reclamation to do dirt work.

PERFORATION RECORD

NEWFIELD

Federal 6-13-9-16
1794' FNL & 1960' FWL (SE/NW)
Section 13, T9S, R16E
Duchesne Co, Utah
API # 43-013-32657; Lease # UTU-64805

LCN 10/04/12

ATTACHMENT E-3

Federal 12-13-9-16

Spud Date: 9-29-05
Put on Production: 11-23-05
GL: 5490' KB: 5502'

Wellbore Diagram

Initial Production: BOPD, MCFD, BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (304.74')
DEPTH LANDED: 315.64' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 5 bbls cmt to surf.

PRODUCTION CASING

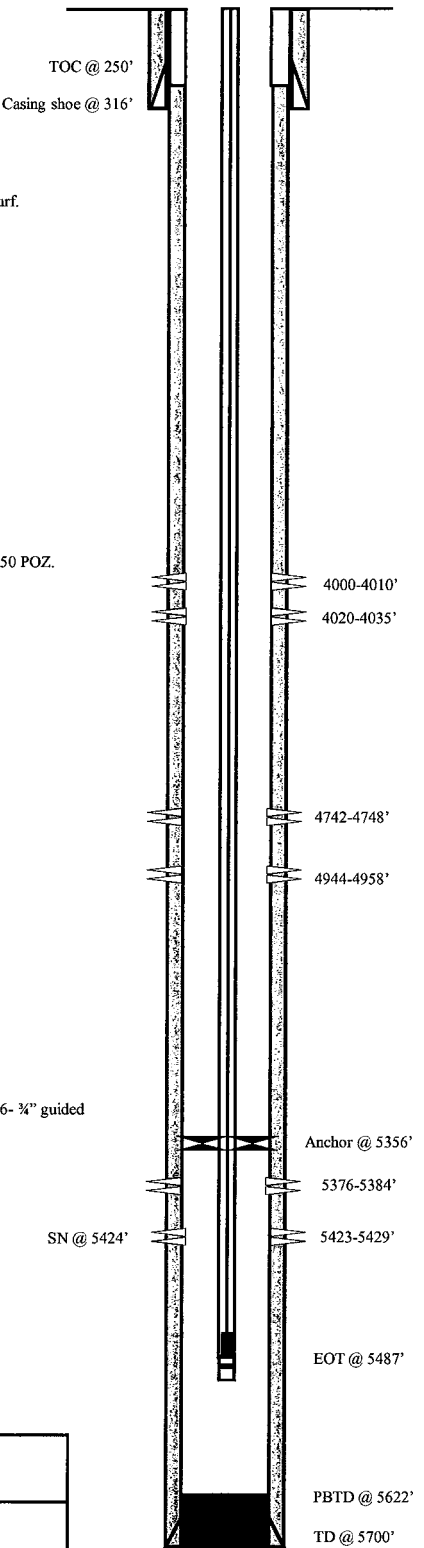
CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 133 jts. (5714.51')
DEPTH LANDED: 5668.64' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 425 sxs 50/50 POZ.
CEMENT TOP AT: 250'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 166 jts (5344.2')
TUBING ANCHOR: 5356.2' KB
NO. OF JOINTS: 2 jts (64.50')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5423.5' KB
NO. OF JOINTS: 2 jts (62.44')
TOTAL STRING LENGTH: EOT @ 5487' KB

SUCKER RODS

POLISHED ROD: 1-1/2" x 22' SM
SUCKER RODS: 100- ¾" guided rods, 94- ¾" guided rods. 16- ¾" guided rods, 6-1 ½" weight rods
PUMP SIZE: 2-1/2" x 1-1/2" x 16' RHAC w/SM plunger
STROKE LENGTH: 86"
PUMP SPEED, SPM: 5 SPM



FRAC JOB

11-16-05	5376-5429'	**Frac CP1, CP2 sands as follows:** 50812# 20/40 sand in 434 bbls Lightning 17 frac fluid. Treated @ avg press of 2030 psi w/avg rate of 25.1 BPM. ISIP 2250 psi. Calc flush: 5374 gal. Actual flush: 5078 gal.
11-16-05	4944-4958'	**Frac A1 sands as follows:** 80407# 20/40 sand in 591 bbls Lightning 17 frac fluid. Treated @ avg press of 2025 psi w/avg rate of 25 BPM. ISIP 2270 psi. Calc flush: 4942 gal. Actual flush: 4700 gal.
11-17-05	4742-4748'	**Frac B.5 sands as follows:** 25030# 20/40 sand in 323 bbls Lightning 17 frac fluid. Treated @ avg press of 2055 psi w/avg rate of 25.1 BPM. ISIP 1980 psi. Calc flush: 4740 gal. Actual flush: 4746 gal.
11-17-05	4000-4035'	**Frac GB4, & GB6 sands as follows:** 112538# 20/40 sand in 755 bbls Lightning 17 frac fluid. Treated @ avg press of 1673 w/ avg rate of 25.2 BPM. ISIP 1850 psi. Calc flush: 3998 gal. Actual flush: 3906 gal.
9/17/09		Pump Change. Updated rod & tubing details.
12/16/10		Tubing Leak. Rod & tubing updated.

PERFORATION RECORD

11-04-05	5423-5429'	4 JSPF	24 holes
11-04-05	5376-5384'	4 JSPF	32 holes
11-16-05	4944-4958'	4 JSPF	56 holes
11-16-05	4742-4748'	4 JSPF	24 holes
11-17-05	4020-4035'	4 JSPF	60 holes
11-17-05	4000-4010'	4 JSPF	40 holes

NEWFIELD

Federal 12-13-9-16

2018' FSL & 651' FWL

NW/SW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-32651; Lease #UTU-64805

TW 01/25/11

ATTACHMENT E-4

Federal 21-13Y-9-16

Spud Date: 8/13/1993

Put on Production: 9/16/1993

GL: 5535' KB: 5545'

Initial Production: 84 BOPD, 126 MCFD, 7 BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 6 jts. (275')

DEPTH LANDED: 259'

HOLE SIZE:12-1/4"

CEMENT DATA: 150 sxs Premium Plus cement, est 6 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: K-55

WEIGHT: 15.5#

LENGTH: 139 jts. (5945.72')

DEPTH LANDED: 5945.72'

HOLE SIZE: 7-7/8"

CEMENT DATA: 145 sxs Hilift cement & 325 sxs Class "G".

CEMENT TOP AT: 1040' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

TBG: 1 jt N-80 (2.0')

NO. OF JOINTS: 130 jts (4014.0')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4026.0' KB

ON OFF TOOL 2-7/8" AT: 4027.1'

PACKER CE AT: 4031.7'

NO. OF JOINTS: 22 jts (681.5')

XO: 2-7/8" x 2-3/8" (0.5) AT: 4717.4'

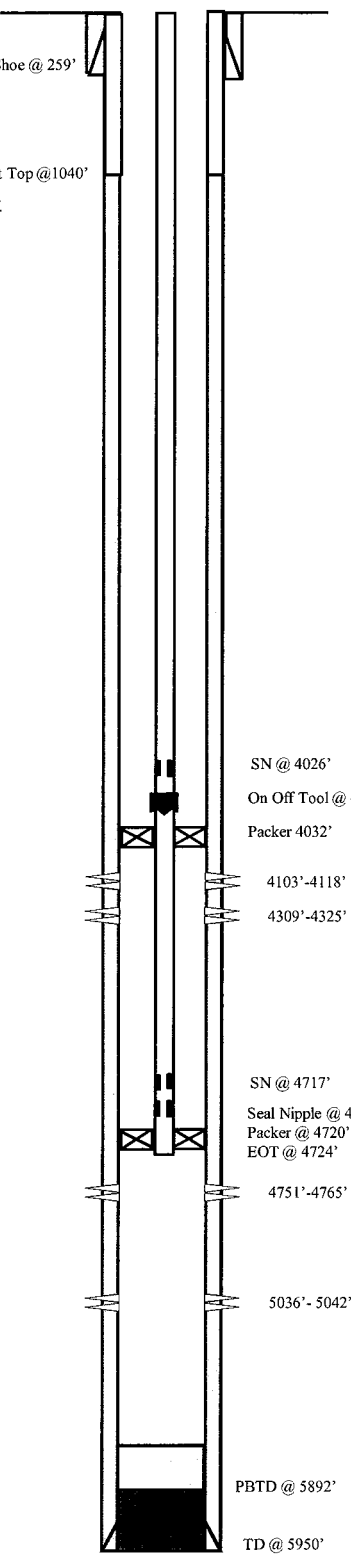
SEATING NIPPLE: 2-3/8" (1.10')

SEATING NIPPLE: 4717.9'

SEAL NIPPLE 3-7/8 OD J-55 AT: 4719.0'

PACKER CE AT: 4720'

TOTAL STRING LENGTH: EOT @ 4724' KB



FRAC JOB

8/28/93	4751'-4765'	**Frac as follows:** 20,140# 20/40 sand & 15,380# 16/30 sand in 371 bbls gelled KCL frac fluid. Treated @ avg press of 1900 psi w/avg rate of 20 BPM. ISIP 1850 psi.
9/1/93	4309'-4325'	**Frac as follows:** 33,600# 16/30 sand in 377 bbls gelled KCL frac fluid. Treated @ avg press of 2050 psi w/avg. rate of 24.5 BPM. ISIP 1800 psi.
2/14/01		**Tubing job.** Update Rod and tubing details.
11/17/05	4103-4118	**Frac GB6 sds as follows:** 55,211# 20/40 sand in 439 bbls of Lightning 17 frac fluid. Treated @ ave pressure of 1870 w/ ave rate of 25.2 bpm w/ 8 ppg of sand. ISIP was 2150. Actual flush: 4032 gals
08/29/08		**Recompletion.** Rod & Tubing detail updated.
9/3/08	5036-5042	**Frac A1 sds as follows:** 16,591# 20/40 sand in 238 bbls of Lightning 17 fluid. Treated w/ ave pressure of 3442 psi @ ave rate of 13.1BPM. ISIP 1962 psi. Actual flush: 1218 gals.
07/25/10		**Tubing Leak**. Rod & Tubing detail updated.
04/09/12		**Convert to Injection Well**
04/11/12		**Conversion MIT Finalized** – tbg detail updated
09/13/12		**Workover MIT Finalized** – ran CBL – update tbg detail

PERFORATION RECORD

8/26/93	4751'-4765'	2 JSPF	28 holes
8/31/93	4309'-4325'	2 JSPF	32 holes
11/17/05	4103-4118'	40 JSPF	60 holes
9/3/08	5036-5042'	4 JSPF	24 holes

NEWFIELD

Federal 21-13Y-9-16
702' FNL & 1830' FWL
NENW Section 13-T9S-R16E
Duchesne Co, Utah
API #43-013-31400; Lease #UTU-64805

LCN 09/27/12

ATTACHMENT E-5

Jonah Federal T-11-9-16

Spud Date: 09/25/2009
Put on Production: 11/02/2009

GL: 5503' KB: 5515'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (307.66')
DEPTH LANDED: 319.51'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 135 jts. (6014.88') Includes Shoe Jt. (20.0')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 6028.13'
CEMENT DATA: 250 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 62'

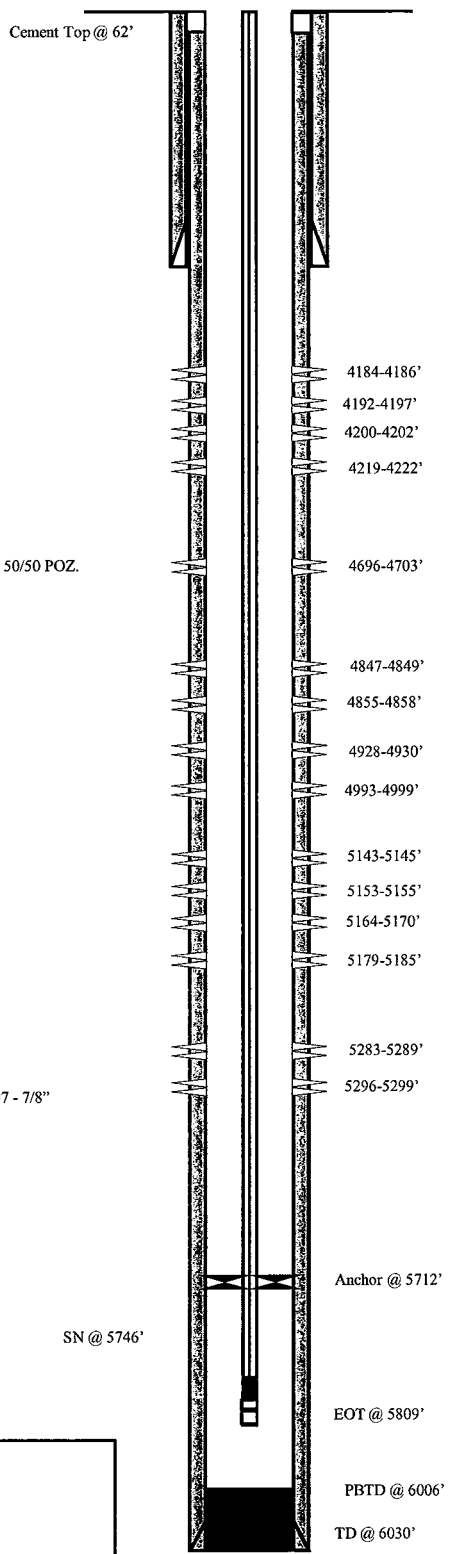
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 179 jts (5700')
TUBING ANCHOR: 5712'
NO. OF JOINTS: 1 jts (31.5')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5746.3' KB
NO. OF JOINTS: 2 jts (61.5')
TOTAL STRING LENGTH: EOT @ 5809'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
SUCKER RODS: 1 - 2' x 7/8", 1 - 8' x 7/8" pony rods, 207 - 7/8" 8per guided rods, 4 - 1 ½" weight bars
PUMP SIZE: 2 ½ x 1 ¾ x 17' x 24' RHAC
STROKE LENGTH: 144
PUMP SPEED: SPM 6

Wellbore Diagram



FRAC JOB

11-03-09	**5283-5299'**	**Frac LODC sands as follows:** Frac with 16631# 20/40 sand in 106 bbls Lightning 17 fluid.
11-03-09	**5143-5185'**	**Frac A1 & A3 sands as follows:** Frac with 90329# 20/40 sand in 544 bbls Lightning 17 fluid.
11-03-09	**4847-4999'**	**Frac B2, C & B.5 sands as follows:** Frac with 60136# 20/40 sand in 370 bbls Lightning 17 fluid.
11-03-09	**4696-4703'**	**Frac D1 sands as follows:** Frac with 14128# 20/40 sand in 124 bbls Lightning 17 fluid.
11-03-09	**4184-4222'**	**Frac GB6 sands as follows:** Frac with 27979# 20/40 sand in 223 bbls Lightning 17 fluid.

PERFORATION RECORD

5296-5299'	3 JSPF	holes
5283-5289'	3 JSPF	holes
5179-5185'	3 JSPF	holes
5164-5170'	3 JSPF	holes
5153-5155'	3 JSPF	holes
5143-5145'	3 JSPF	holes
4993-4999'	3 JSPF	holes
4928-4930'	3 JSPF	holes
4855-4858'	3 JSPF	holes
4847-4849'	3 JSPF	holes
4696-4703'	3 JSPF	holes
4219-4222'	3 JSPF	holes
4200-4202'	3 JSPF	holes
4192-4197'	3 JSPF	holes
4184-4186'	3 JSPF	holes

NEWFIELD

Jonah Federal T-11-9-16
709' FSL & 725' FEL
Section 11, T9S, R16E
Duchesne Co, Utah
API # 43-013-34080; Lease # UTU-096550

LCN 01-19-10

ATTACHMENT E-6

Jonah Federal 15-12-9-16

Spud Date: 10-08-05
Put on Production: 11-11-05
GL: 5499' KB: 5511'

Initial Production: BOPD, MCFD, BWPD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (296.84')
DEPTH LANDED: 308.69' KB
HOLE SIZE:12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt, est 6.5 bbls cmt to surf.

Cement top @ 130'

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 136 jts. (5906.75')
DEPTH LANDED: 5920' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 350 sxs Prem. Lite II mixed & 475 sxs 50/50 POZ.
CEMENT TOP AT: 130'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 121 jts (4032.45')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4044.45' KB
TOTAL STRING LENGTH: EOT @ 4053.00' KB

Packer @ 4049'
EOT @ 4053'
4120-4123'
4129-4135'
4596-4610'
4763-4774'
5094-5108'
5472-5486'
PBTD @ 5870'
SHOE @ 5920'
TD @ 5920'

FRAC JOB

11-07-05	5472-5486'	**Frac CP1, sands as follows:** 59446# 20/40 sand in 585 bbls Lightning 17 frac fluid. Treated @ avg press of 1739 psi w/avg rate of 24.9 BPM. ISIP 1970 psi. Calc flush: 5470 gal. Actual flush: 5048 gal.
11-07-05	5094-5108'	**Frac A3, sands as follows:** 80231# 20/40 sand in 602 bbls Lightning 17 frac fluid. Treated @ avg press of 1586 psi w/avg rate of 24.8 BPM. ISIP 1990 psi. Calc flush: 5092 gal. Actual flush: 4704 gal.
11-07-05	4763-4774'	**Frac C sands as follows:** 29525# 20/40 sand in 350 bbls Lightning 17 frac fluid. Treated @ avg press of 1861 psi w/avg rate of 24.7 BPM. ISIP 2080 psi. Calc flush: 4761 gal. Actual flush: 4473 gal.
11-08-05	4596-4610'	**Frac D1 sands as follows:** 80686# 20/40 sand in 590 bbls Lightning 17 frac fluid. Treated @ avg press of 1924 w/ avg rate of 25 BPM. ISIP 2220 psi. Calc flush: 4594 gal. Actual flush: 3990 gal.
11-08-05	4120-4135'	**Frac GB6 sands as follows:** 31631# 20/40 sand in 341 bbls Lightning 17 frac fluid. Treated @ avg press of 1738 w/ avg rate of 24.9 BPM. ISIP 2030 psi. Calc flush: 4118 gal. Actual flush: 4032 gal.
5/1/07		**Well converted to an Injection well. MIT completed and submitted.**

PERFORATION RECORD

11-02-05	5472-5486'	4 JSPF	56 holes
11-07-05	5094-5108'	4 JSPF	56 holes
11-07-05	4763-4774'	4 JSPF	44 holes
11-08-05	4596-4610'	4 JSPF	56 holes
11-08-05	4129-4135'	4 JSPF	24 holes
11-08-05	4120-4123'	4 JSPF	12 holes

NEWFIELD

Jonah Federal 15-12-9-16

427' FSL & 2355' FEL
SW/SE Section 12-T9S-R16E
Duchesne Co, Utah
API #43-013-32627; Lease #UTU-35521

CR 5/21/07

ATTACHMENT E-7

Jonah Fed I-14-9-16

Spud Date: 10/28/08
Put on Production: 12/17/08

GL: 5575' KB: 5587'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (316.06')
DEPTH LANDED: 326.06' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sx Class 'g' cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 159 jts (6278.9')
DEPTH LANDED: 6095.70'
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sx premlite and 425 sx 50/50 poz
CEMENT TOP AT: 64'

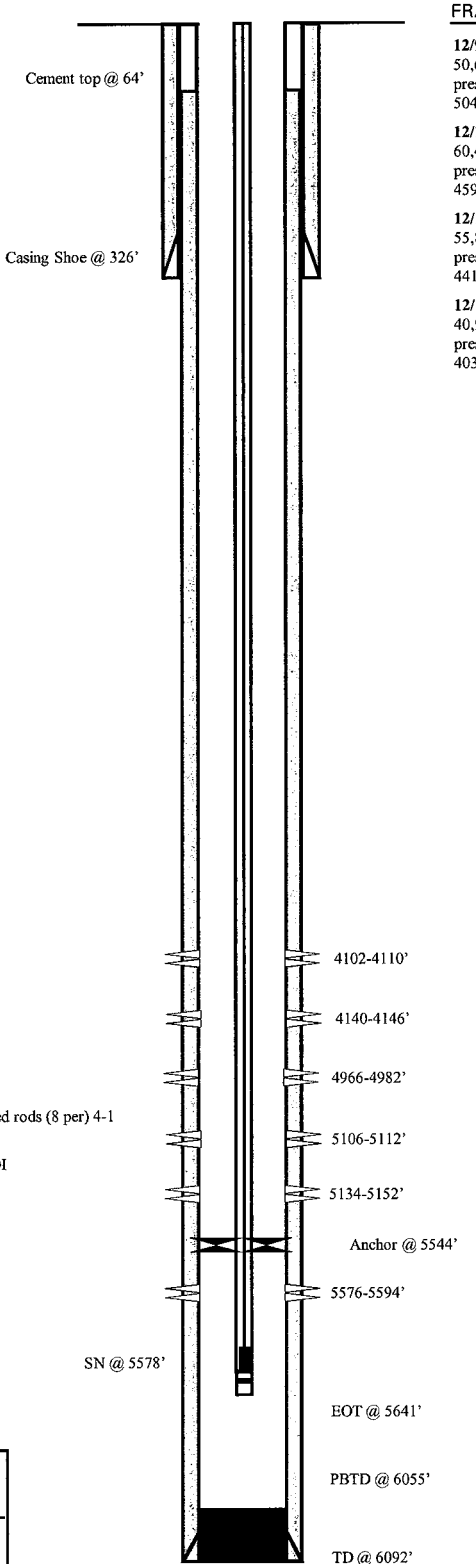
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55
NO. OF JOINTS: 180 jts (5532.40')
TUBING ANCHOR: 5544.40' KB
NO. OF JOINTS: 1 jt (30.85')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5578.05' KB
NO. OF JOINTS: 2 jts (61.81')
TOTAL STRING LENGTH: EOT @ 5641.41'

SUCKER RODS

POLISHED ROD: 1 ½" x 26' polished rod
SUCKER RODS: 1-2', 4', 6', 8' x 7/8" pony, 218-7/8" guided rods (8 per) 4-1 1/2:" wt bars shear coupler
PUMP SIZE: 1 ½" x 1 ¾" x 16' x 20' RHAC rod pump - CDI
STROKE LENGTH:
PUMP SPEED, SPM:

Wellbore Diagram



FRAC JOB

12/9/08 5576-5594' Frac CP1 sds as follows:
50,690# 20/40 sand in 472 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1937 psi @ ave rate of 23.1 BPM. ISIP 2139 psi. Actual flush: 5040 gals.

12/10/08 5106-5152' Frac A1 & A3 sds as follows:
60,419# 20/40 sand in 514 bbls of Lightning 17 fluid. Treated w/ ave pressure of 2180 psi @ ave rate of 23.1BPM. ISIP 2427 psi. Actual flush: 4599 gals.

12/10/08 4966-4982' Frac B2 sds as follows:
55,874# 20/40 sand in 494 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1944 psi @ ave rate of 23.1 BPM. ISIP 2040 psi. Actual flush: 4410 gals.

12/10/08 4102-4110' Frac GB2 & GB4 as follows:
40,929# 20/40 sand in 391 bbls of Lightning 17 fluid. Treated w/ ave pressure of 1862 psi @ ave rate of 23.2 BPM. ISIP 2019 psi. Actual flush: 4032 gals.

PERFORATION RECORD

12/9/08	5576-5594'	4 JSPF	72 holes
12/9/08	5134-5152'	4 JSPF	72 holes
12/9/08	5106-5112'	4 JSPF	24 holes
12/9/08	4966-4982'	4 JSPF	64 holes
12/10/08	4140-4146'	4 JSPF	24 holes
12/10/08	4102-4110'	4 JSPF	32 holes

NEWFIELD

Jonah I-14-9-16

1919' FNL & 1900' FEL

SW/NE Section 14-T9S-R16E

Duchesne Co, Utah

API # 43-013-34013; Lease # UTU-096550

ATTACHMENT E-8

Jonah Unit #8-14

Spud Date: 5/22/98

Put on Production: 6/22/98
GL: 5607' KB: 5617'

Initial Production:159 BOPD,
133 MCFPD, 34 BWPD

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (290')

DEPTH LANDED: 291'

HOLE SIZE: 12-1/4"

CEMENT DATA: 120 sxs Premium cmt, est 1-1/2 bbls to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 133 jts. (5677')

DEPTH LANDED: 5688' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 320 sk Poz Type III mixed & 310 sxs Class G

CEMENT TOP AT: 2566' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / M-50 / 6.5#

NO. OF JOINTS: 127 jts (1992.0')

TUBING ANCHOR: 5020'

NO. OF JOINTS: 1 jt (62.5')

SEATING NIPPLE: 5-1/2" (1.10')

SN LANDED AT: 5086'

NO. OF JOINTS: 2 jt (62.5')

TOTAL STRING LENGTH: EOT @ 5152'

SUCKER RODS

POLISHED ROD:

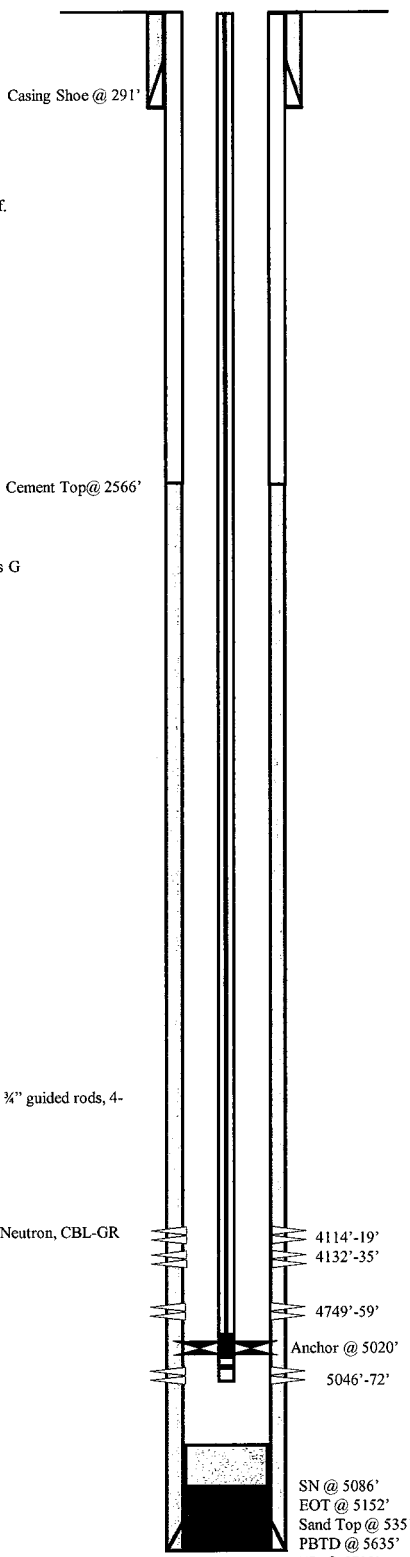
SUCKER RODS: 55- ¾" guided rods, 97- ¾" guided rods, 4- ¾" guided rods, 4- 1 ½" weight bars

PUMP SIZE: 2-1/2" x 1-1/2" x 16 RHAC

STROKE LENGTH: ?

PUMP SPEED, SPM: ?

LOGS:Dual Laterlog, GR, SP, Spectral Density-Dual Spaced Neutron, CBL-GR



FRAC JOB

6/13/98	**5046'-5072'**	**Frac A-3 sand as follows:** 114,000# 20/40 sand in 565 bbls Viking I-25 fluid. Perf Brokedown @ 3823 psi. Treated @ avg press of 1875 psi, w/avg rate of 30 BPM. ISIP: 2350 psi, 5-min 2100 psi. Flowback on 12/64 choke for 3 hours and died.
6/16/98	**4749'-4759'**	**Frac C sand as follows:** 113,994# of 20/40 sand in 546 bbls Viking I-25 fluid. Perfs Brokedown @ 3032 psi. Treated @ avg press of 2000 psi w/ avg rate of 28 bpm. ISIP: 2250 psi, 5-min 2000 psi. Flowback on 12/64" choke for 3-1/2 hours and died.
6/18/98	**4114'-4135'**	**Frac GB sand as follows:** 96,580# 20/40 sand in 475 bbls Viking I-25 fluid. Perfs brokedown @ 3387 psi. Treated @ avg press of 1850 psi w/avg rate of 24.5 BPM. ISIP 1850 psi, 5-min 1535 psi. Flowback on 12/64" choke for 2-1/2 hours and died.
7/9/2010		Workover. Updated rod and tubing detail.
NOTE:		The LA-14-9-16 runs diagonally across this well location which places the beginning joints at a 1992' depth and renders placement of the anchor at a deeper depth.

PERFORATION RECORD

6/13/98	5046'-5072'	2 JSPF	52 holes
6/15/98	4749'-4759'	4 JSPF	40 holes
6/17/98	4114'-4119'	4 JSPF	20 holes
6/17/98	4132'-4135'	4 JSPF	12 holes

NEWFIELD

Jonah Unit #8-14
1882 FNL 773 FEL
SENE Section 14-T9S-R16E
Duchesne Co, Utah
API #43-013-32054; Lease #U-096550

ML 7/22/10
4/10/2013

ATTACHMENT E-9

Walton Federal #1
1-11-9-16

Wellbore Diagram

Spud Date: 4/01/1964

GL: 5501' KB: 5513'

Initial Production: 1073 BOPD, 100 MCFG

SURFACE CASING

CSG SIZE: 9-5/8"

GRADE: J-55

WEIGHT: 32.2#

LENGTH: 7 jts. (212')

DEPTH LANDED: 225'

HOLE SIZE:12-1/4"

CEMENT DATA: 225 sxs cement

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 167 jts. (5192')

DEPTH LANDED: 5205'

HOLE SIZE: 7 7/8"

CEMENT DATA: 400 sacks cmt.

CEMENT TOP AT: 4056' per CBL

CSG SIZE: 4"

GRADE: J-55

WEIGHT: 11#

LENGTH: 1077'

DEPTH LANDED: 5901'

HOLE SIZE: 4 3/4"

CEMENT DATA: 201 sacks cmt.

CEMENT TOP AT: ????? After squeeze

4" Liner Top @ 4816'

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#

NO. OF JOINTS: 146 jts (4588.2')

TUBING ANCHOR: 4600.2'

NO. OF JOINTS: 2 jts (62.9')

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 4666' KB

NO. OF JOINTS: 1 jts (31')

TOTAL STRING LENGTH: EOT @ 4796' W/ 12' KB

SUCKER RODS

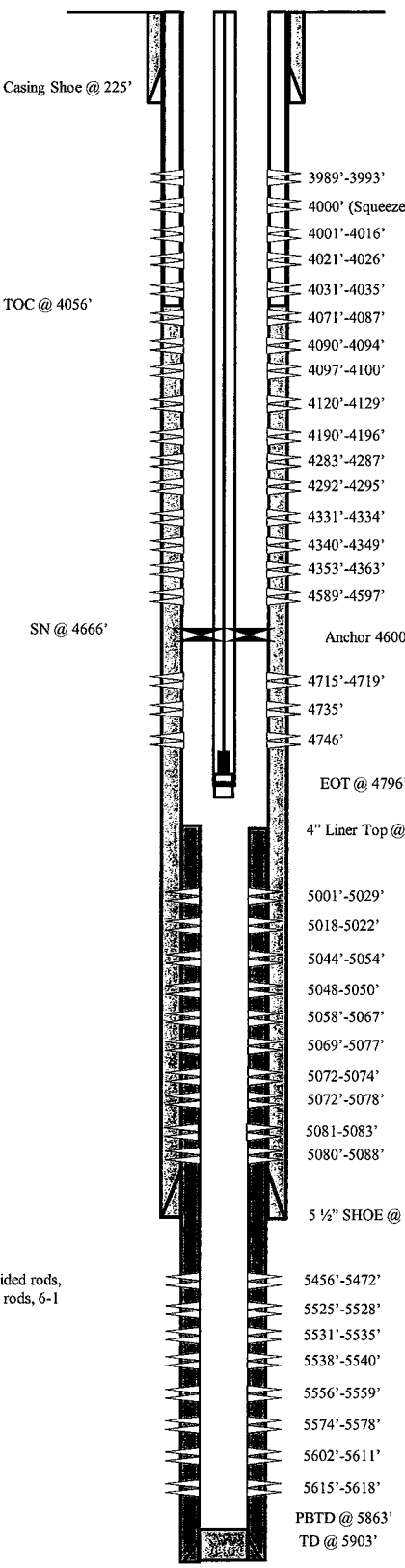
POLISHED ROD: 1 1/2" x 22' SM

SUCKER RODS: 1-2' x ¾", 2-8' x 3/4" pony rods, 91 – ¾" guided rods, 40 – ¾" sucker rods, 28 – ¾" guided rods, 20 – ¾" 4per guided rods, 6-1 1/2" sinker bars

PUMP SIZE: 2 1/2" x 1 3/4" x 16' x 20' RHAC

STROKE LENGTH: 86

PUMP SPEED, SPM: 5 SPM



FRAC JOB

5/07/64	5007'-5020'	**Frac zone as follows:** 21,000# 20/40 sand + 2000# 8/12 beads in 500 bbl crude oil. Treated @ 3750 psi @ 37 BPM.
5/07/64	4735'-4746'	**Frac zone as follows:** 20,000# 20/40 sand + 2000# 8/12 beads in 475 bbl crude oil. Treated @ 3700 psi @ 32 BPM.
10/05/66	4735'-5084'	**Frac zone as follows:** 62,000# 20/40 sand + 2000# beads in 1750 bbl 1% acetic acid. Treated @ 2800 psi @ 54 BPM. Calc. flush: 5075 gal. Actual flush: 6500 gal.
9/25/96	5007'-5084'	**Frac zone as follows:** 29,760# 16/30 sand in 168 bbl KCl. Treated @ 3450 psi @ 13 BPM, ISIP 1990 psi.
9/25/96	4589'-4746'	**Frac zone as follows:** 12,000# 16/30 sand in 212 bbl KCl. Treated @ 2900 psi @ 22.5 BPM, ISIP 2520 psi.
8/11/03	5456'-5618'	**Frac CP1, CP2, & CP3 sands as follows:** 120,283# 20/40 sand in 879 Bbls Viking I-25 fluid. Treated @ avg. press of 3825 psi w/ avg. rate of 14.4 BPM. ISIP: 1770 psi. Calc flush: 1270 Gal. Actual flush: 1218 gal.
8/12/03	4589'-4597'	**Re-Frac D1 sands as follows:** 20,026# 20/40 sand in 235 Bbls Viking I-25 fluid. Treated @ avg. press of 3340 psi w/ avg rate of 17.3 BPM. ISIP 3850 psi. Calc flush: 4587 gal. Actual flush: 4410 gal.
8/13/03	4190'-4363'	**Frac PB7, PB10, & PB11 sands as follows:** 65,480# 20/40 sand in 485 Bbls Viking I-25 fluid. Treated @ avg. press of 3225 psi w/ avg rate of 23.6 BPM. ISIP: 3850 psi. Calc. Flush: 4188 gal. Actual flush: 2142 gal. (Screened Out)
8/13/03	3989'-4129'	**Frac GB2, GB4, and GB6 sands as follows:** 155,102# 20/40 sand in 996 Bbls Viking I-25 fluid. Treated @ avg. press of 1950 psi w/ avg. rate of 24.5 BPM. ISIP: 2200 psi. Calc flush: 3987 gal. Actual flush: 3906 gal.
9/20/10		**Re-Completion**
9/14/10	5018-5083'	**Frac A1 & A3 sands as follows:** 33495# 20/40 sand in 261 bbls Lightning 17 fluid.

PERFORATION RECORD

5/06/64	5020'	3 SPF	03 holes
5/06/64	5013'	3 SPF	03 holes
5/06/64	5007'	3 SPF	03 holes
5/06/64	4746'	3 SPF	03 holes
5/06/64	4735'	3 SPF	03 holes
10/5/66	5075'	1 SPF	01 hole
10/5/66	5084'	1 SPF	01 hole
08/1982	4589'-4597'		?? holes
9/24/96	5072'-5078'	2 SPF	12 holes
9/24/96	5046'-5054'	2 SPF	16 holes
9/24/96	4715'-4719'	4 SPF	16 holes
9/24/96	4590'-4595'	4 SPF	20 holes
7/24/03	4000' (squeeze)	4 JSPF	4 holes
8/11/03	5615'-5618'	4 JSPF	12 holes
8/11/03	5602'-5611'	4 JSPF	36 holes
8/11/03	5574'-5578'	4 JSPF	16 holes
8/11/03	5556'-5559'	4 JSPF	12 holes
8/11/03	5538'-5540'	4 JSPF	8 holes
8/11/03	5531'-5535'	4 JSPF	16 holes
8/11/03	5525'-5528'	4 JSPF	12 holes
8/11/03	5456'-5472'	4 JSPF	64 holes
8/12/03	4353'-4363'	4 JSPF	40 holes
8/12/03	4340'-4349'	4 JSPF	36 holes
8/12/03	4331'-4334'	4 JSPF	12 holes
8/12/03	4292'-4295'	4 JSPF	12 holes
8/12/03	4283'-4287'	4 JSPF	16 holes
8/12/03	4190'-4196'	4 JSPF	24 holes
8/13/03	4120'-4129'	4 JSPF	36 holes
8/13/03	4097'-4100'	4 JSPF	12 holes
8/13/03	4090'-4094'	4 JSPF	16 holes
8/13/03	4071'-4087'	4 JSPF	64 holes
8/13/03	4031'-4035'	4 JSPF	16 holes
8/13/03	4021'-4026'	4 JSPF	20 holes
8/13/03	4001'-4016'	4 JSPF	60 holes
8/13/03	3989'-3993'	4 JSPF	16 holes
8/14/03	5080'-5088'	2 JSPF	16 holes
8/14/03	5069'-5077'	2 JSPF	16 holes
8/14/03	5058'-5067'	2 JSPF	18 holes
8/14/03	5044'-5054'	2 JSPF	20 holes
8/14/03	5001'-5029'	2 JSPF	56 holes
9/14/10	5081-5083'	3 JSPF	6 holes
9/14/10	5072-5074'	3 JSPF	6 holes
9/14/10	5048-5050'	3 JSPF	6 holes
9/14/10	5018-5022'	3 JSPF	12 holes

NEWFIELD

Walton Federal #1 1-11-9-16
705' FSL & 704' FEL
SESE Section 11-T9S-R16E
Duchesne Co, Utah
API #43-013-15792; Lease #U-096550

L:CN 09-21-10

ATTACHMENT E-10

Walton Federal 2-14-9-16

Spud Date: 5/23/1964

Put on Production: 7/03/1964

GL: 5546' KB: 5558'

Initial Production: 50 BOPD, 75 MCFD

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 9-5/8"

GRADE: J-55

WEIGHT: 32.2#

LENGTH: 7 jts. (221')

DEPTH LANDED: 232' KB

HOLE SIZE:12-1/4"

CEMENT DATA: 200 sxs Class "G" cmt.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 151 jts. (4846')

DEPTH LANDED: 4857'

HOLE SIZE: 7-7/8"

CEMENT DATA: 325 cft 10% salt saturated cement.

CEMENT TOP AT: 3576'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 140 jts (4490.5') KB

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 4502.5' KB

ON/OFF TOOL AT: 4503.6'

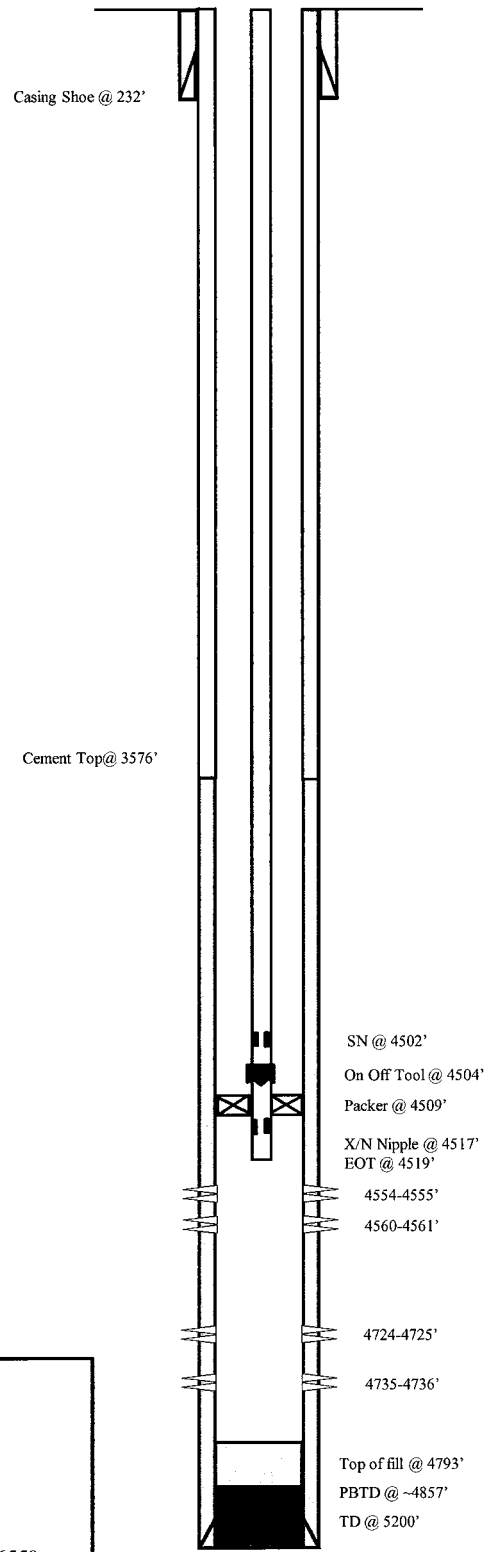
ARROW #1 PACKER CE AT: 4508.81'

XO 2-3/8 x 2-7/8 J-55 AT: 4512.5'

TBG PUP 2-3/8 J-55 AT: 4513.1'

X/N NIPPLE AT: 4517.2'

TOTAL STRING LENGTH: EOT @ 4519'



FRAC JOB

6/20/64	4724' - 4736'	**Frac sand as follows:** 11,500# 20/40 sand in 300 bbls crude oil, + 4000# 8/12 beads in 8000 gal. crude oil. Treated @ avg press of 4350 psi w/avg rate of 25 BPM.
6/23/64	4554' - 4561'	**Frac sand as follows:** 12,600# 20/40 sand in 326 bbls crude oil, + 4000# 8/12 beads in 8000 gal. crude oil. Treated @ avg press of 4200 psi w/avg rate of 25 BPM.
12/06/12		**Convert to Injection Well**
12/06/12		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

6/16/64	4735-4736'	5 SPF	05holes
6/16/64	4724-4725'	5 SPF	05 holes
6/23/64	4560-4561'	5 SPF	05 holes
6/23/64	4554-4555'	5 SPF	05 holes

NEWFIELD

Walton Federal 2-14-9-16
542' FNL & 1869' FEL
NWNE Section 14-T9S-R16E
Duchesne Co, Utah
API #43-013-15793; Lease #UTU-096550

LCN 12/12/12

ATTACHMENT E-11

C & O Govt. 1-12-9-16

Spud Date: 10/12/64

Put on Production: 12/10/64

GL: 5456' KB: 5468'

Wellbore Diagram

SURFACE CASING

CSG SIZE: 10 3/4"

WEIGHT: 32.75#

LENGTH: 8 jts. (217')

DEPTH LANDED: 229'

HOLE SIZE:12-1/4"

CEMENT DATA: 135 cu. ft. Ideal Type II.

PRODUCTION CASING

CSG SIZE: 5-1/2" / 17# / N-80

LENGTH: 41 jts. (1253.85')

CSG SIZE: 5-1/2" / 15.5# / J-55

LENGTH: 127 jts. (3927.00')

CSG SIZE: 5-1/2" / 17# / N-80

LENGTH: 1 jt. (20.00')

DEPTH LANDED: 5200.00'

HOLE SIZE: 7-7/8"

CEMENT DATA: 315 cu. ft. 50/50 POZ + 75 sxs 50/50 POZ.

CEMENT TOP AT: 4750' per CBL

TUBING

SIZE/GRADE/WT: 2 7/8" / J-55 / 6.5#

NO. OF JOINTS: 154 jts (4755.6')

TUBING ANCHOR: 4767.6' KB

NO. OF JOINTS: 8 jts (250.2')

SEATING NIPPLE: 2 7/8" (1.10')

SN LANDED AT: 5020.6' KB

NO. OF JOINTS: 1 jts Perf sub (4')

NO. OF JOINTS: 1 jts (30.9')

TOTAL STRING LENGTH: EOT @ 5057'

SUCKER RODS

POLISHED ROD: 1 1/4" x 16' polished rods

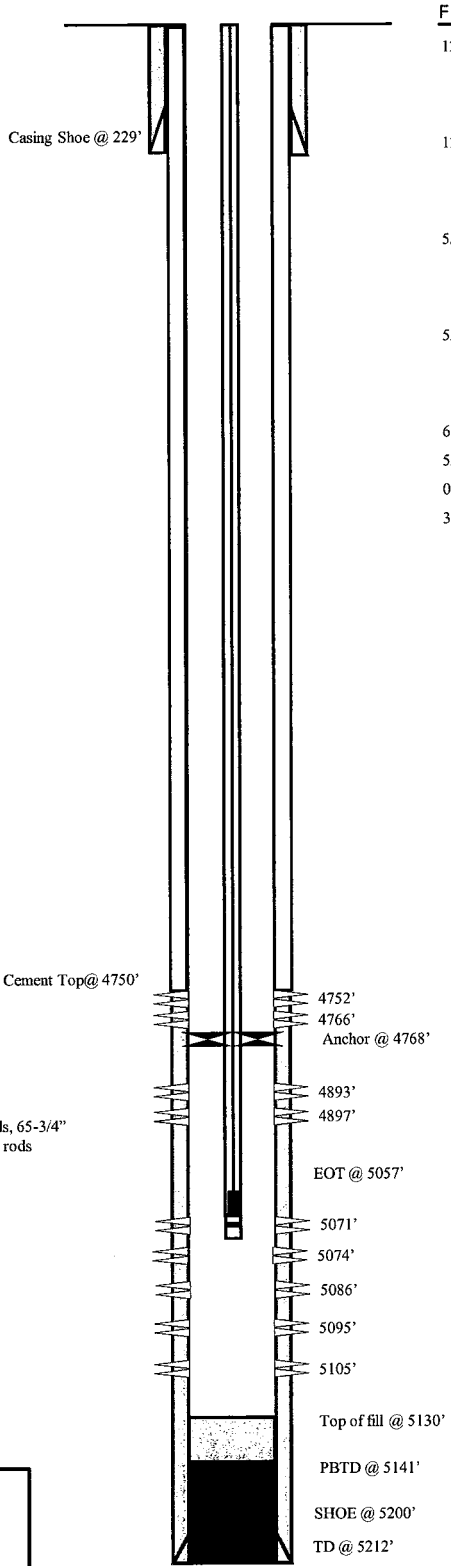
SUCKER RODS:1-2' & 1-4' x ¾" pony rods, 93-3/4" guided rods, 65-3/4" sucker rods, 34-3/4" guided rods, 4-1 5/8" wt bars, 5 1" stabilizer rods

PUMP SIZE: 2 1/2" x 1 1/2" x 16' RHAC

STROKE LENGTH: 44"

PUMP SPEED, SPM: 4 SPM

LOGS: IES, SGR, ML, CBL



FRAC JOB

12/64	5071'-5074'	**Frac zone as follows:** 13,900# sand + 3150# glass beads in 721 bbls lease crude oil. Treated @ avg press of 3850 psi w/avg rate of 37 BPM.
12/64	4893'-4897'	**Frac zone as follows:** 13,900# sand + 1575# glass beads in 721 bbls lease crude oil. Treated @ avg press of 4000 psi w/avg rate of 29 BPM.
5/20/73	5071'-5105'	**Frac zone as follows:** 16,500# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 2300 psi w/avg rate of 6 BPM.
5/21/73	4752'-4766'	**Frac zone as follows:** 14,000# 10/20 sand in 381 bbls frac fluid. Treated @ avg press of 3500 psi w/avg rate of 16 BPM.
6/18/99		Pump change. Update rod and tubing details.
5/13/03		Tubing leak. Update rod and tubing details.
08/29/06		Pump Change. Update rod & Tubing details
3/9/12		Tubing Leak: Updated rod & tubing detail.

PERFORATION RECORD

12/64	5074'	4 SPF	04 holes
12/64	5071'	4 SPF	04 holes
12/64	4897'	4 SPF	04 holes
12/64	4893'	4 SPF	04 holes
05/93	5105'	3 SPF	03 holes
05/93	5095'	3 SPF	03 holes
05/93	5086'	3 SPF	03 holes
05/93	4766'	3 SPF	03 holes
05/93	4752'	3 SPF	03 holes

NEWFIELD

C&O Gov't. 1-12-9-16
1905 FSL & 660 FWL
NWSW Section 12-T9S-R16E
Duchesne Co, Utah
API #43-013-15111 Lease #U-035521 A

HC 4/12/12

ATTACHMENT E-12

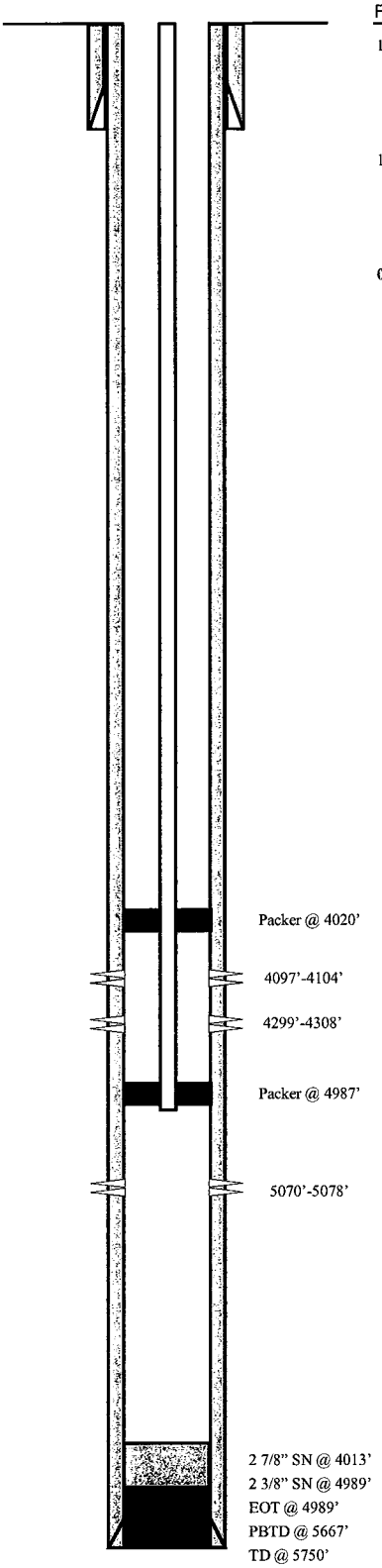
Monument Fed. 14-12J-9-16

Spud Date: 11/03/93
Put on Production: 12/18/93
Put on Injection: 10/28/94

GL: 5487' KB: 5497'

Initial Production: 70 BOPD, NM MCFD, 20 BWPD

Injection Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (271.17')
DEPTH LANDED: 279' KB
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5718.17')
DEPTH LANDED: 5727.17'
HOLE SIZE: 7-7/8"
CEMENT DATA: 220 sxs Lead cement & 260 sxs 50/50 POZ.
CEMENT TOP AT: ? per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 129 jts (4002.65')
SEATING NIPPLE: 2-7/8" (1.12')
SN LANDED AT: 4013.77' KB
2 7/8" x 2 3/8" CROSSOVER: 4014.52' KB
PACKER: 4020.72' KB
SIZE/GRADE/WT.: 2-3/8" / J-55 / 4.5#
NO. OF JOINTS: 31 jts (960.38')
PACKER: 4987.90' KB
SEATING NIPPLE: 2-3/8" (1.10')
SN LANDED AT: 4989.00' KB
TOTAL STRING LENGTH: EOT @ 4989.00'

FRAC JOB

12/06/93	5070'-5078'	**Frac zone as follows:** 25,446# 20/40 sand in 286 bbls 2% KCl. Treated @ avg press of 2341 psi w/avg rate of 17.4 BPM. ISIP 3578 psi. Calc. flush: 5070 gal. Actual flush: 5030 gal.
12/09/93	4097'-4308'	**Frac zone as follows:** 41,300# 20/40 sand in 457 bbls 2% KCl. Treated @ avg press of 2527 psi w/avg rate of 19 BPM. ISIP 1606 psi. Calc. flush: 4097 gal. Actual flush: 4050 gal.
04-08-10		**5YR MIT**

PERFORATION RECORD

12/06/93	5070'-5078'	2 SPF	16 holes
12/08/93	4299'-4308'		06 holes
12/08/93	4097'-4104'		05 holes

NEWFIELD

Monument Fed. #14-12j-9-16
660' FSL & 660' FWL
SWSW Section 12-T9S-R16E
Duchesne Co, Utah
API #43-013-31411; Lease #U-035521-A

LCN 04-12-10

Attachment E-13

Monument Fed. 41-14J-9-16

Spud Date: 12/01/93
Put on Production: 1/07/94
Put on Injection: 10/29/94
GL: 5529' KB: 5539'

Initial Production: 20 BOPD, 60 MCFD, 10 BWPD

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 6 jts. (271.04')
DEPTH LANDED: 279'
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt, est 4 bbls cmt to surf.

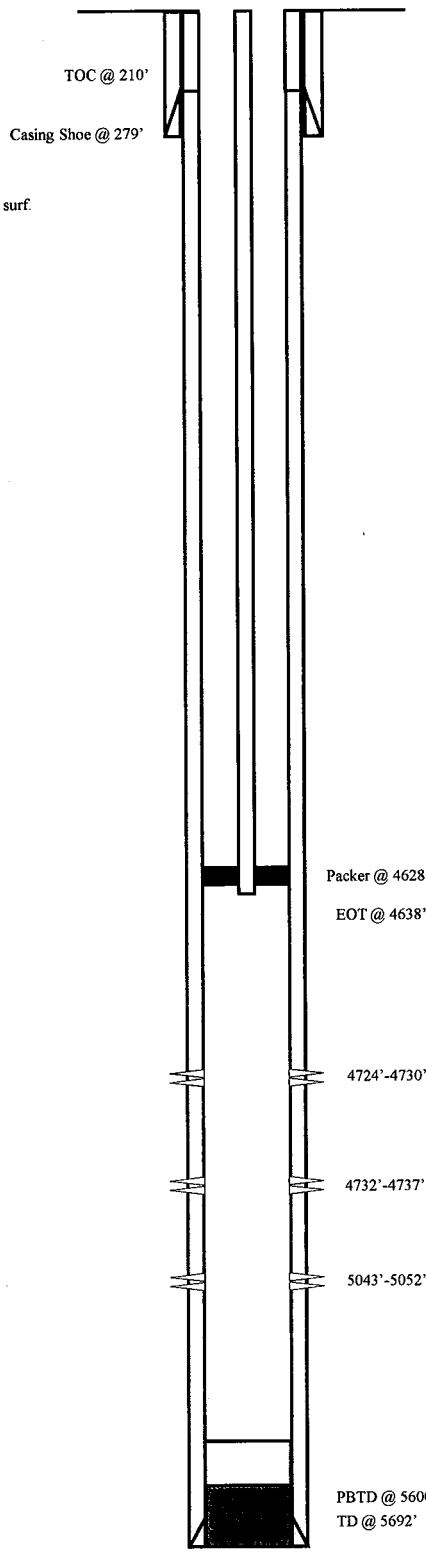
PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: K-55
WEIGHT: 15.5#
LENGTH: 131 jts. (5637.81')
DEPTH LANDED: 5646.81' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 225 sxs Hi-Lift & 261 sxs Class "G".
CEMENT TOP AT: 210' per CBL

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 149 jts (4627.28')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 4627.3' KB
2 7/8" x 2 3/8" CROSS-OVER: 4628.4' KB
PACKER: 4628.8' KB
TOTAL STRING LENGTH: EOT @ 4638'

Injection Wellbore Diagram



FRAC JOB

12/23/93	5043'-5052'	**Frac sand as follows:** 12,500# 20/40 sand + 6,500# 16/30 sand in 194 bbls 2% KCl fluid. Treated @ avg press of 2300 psi w/avg rate of 19 BPM. ISIP 2800 psi. Calc. flush: 5043 gal, Actual flush: 1344 gal. Screened out.
12/28/93	4724'-4737'	**Frac sand as follows:** 27,500# 16/30 sand in 354 bbls 2% KCl fluid. Treated @ avg press of 2100 psi w/avg rate of 19.5 BPM. ISIP 2100 psi. Calc. flush: 4724 gal, Actual flush: 4660 gal.
9/30/08		**Zone Stimulation.**
04-08-10		**5 YR MIT**

PERFORATION RECORD

12/22/93	5043'-5052'	2 JSPF	18 holes
12/28/93	4732'-4737'	2 JSPF	10 holes
12/28/93	4724'-4730'	2 JSPF	12 holes

NEWFIELD

Monument Fed. 41-14J-9-16
363' FNL & 600' FEL
NENE Section 14-T9S-R16E
Duchesne Co, Utah
API #43-013-31408; Lease #U-096550

LCN 4-12-10

ATTACHMENT E-14

GMBU B-14-9-16

Spud Date: 10/09/2011

PWOP: 12/07/2011

GL: 5505' KB: 5518'

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

LENGTH: 7 jts. (314.98')

DEPTH LANDED: 328.30' KB

HOLE SIZE: 12-1/4"

CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 143 jts. (6040.15') Includes Shoe Jt. (42.98')

HOLE SIZE: 7-7/8"

DEPTH LANDED: 6059.66' KB

CEMENT DATA: 225 sxs Prem. Lite II mixed & 455 sxs 50/50 POZ.

CEMENT TOP AT: 47'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 182 jts. (5666.1')

TUBING ANCHOR: 5679.1' KB

NO. OF JOINTS: 1 jt. (31.3')

SEATING NIPPLE: 2-7/8" (1.1')

SN LANDED AT: 5713.2' KB

NO. OF JOINTS: 2 jts. (60.6')

NOTCHED COLLAR: 5774.8' KB

TOTAL STRING LENGTH: EOT @ 5775'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30' Spray Metal Polished Rod

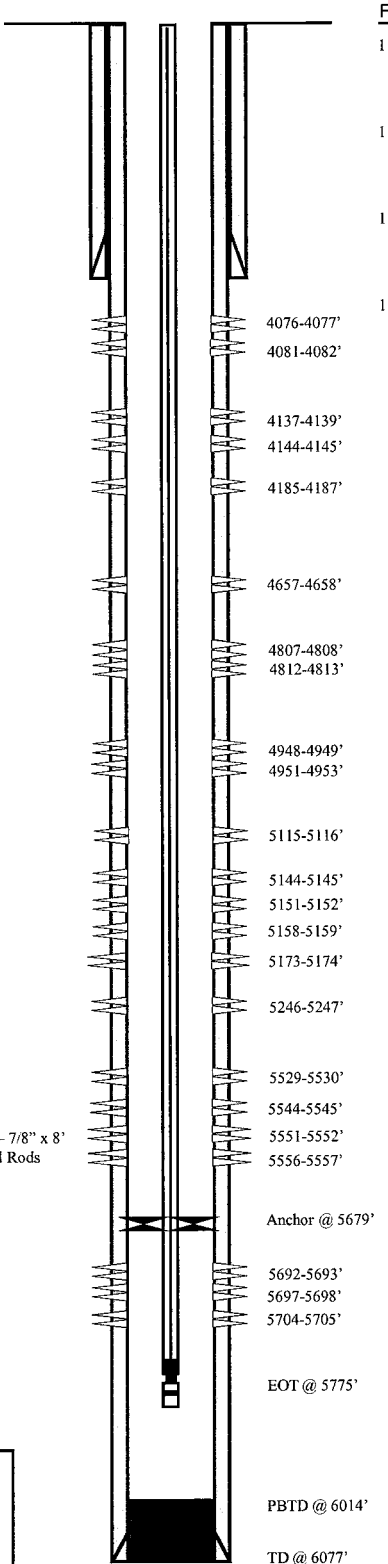
SUCKER RODS: 1 – 7/8" x 4' Pony Rod, 1 – 7/8" x 6' Pony Rod, 1 – 7/8" x 8' Pony Rod, 71 – 7/8" 4per Guided Rods (1775'), 143 – ¾" 4per Guided Rods (3575'), 12 – 7/8" 8per Guided Rods (300')

PUMP SIZE: 2-1/2" x 1-3/4" x 20' x 24' RHAC

STROKE LENGTH: 144"

PUMP SPEED: 5 SPM

Wellbore Diagram



FRAC JOB

11/18/2011	5529-5705'	**Frac CP1 & CP3, sands as follows:** Frac with 50271# 20/40 white sand in 625 bbls lightning 17 fluid; 841 bbls total fluid to recover.
11/28/2011	5115-5247'	**Frac A3 & LODC, sands as follows:** Frac with 74870# 20/40 white sand in 586 bbls lightning 17 fluid; 706 bbls total fluid to recover.
11/28/2011	4657-4953'	**Frac B2, C-Sand & D1, sands as follows:** Frac with 70185# 20/40 white sand in 541 bbls lightning 17 fluid; 649 bbls total fluid to recover.
11/28/2011	4076-4187'	**Frac GB2, GB4 & GB6, sands as follows:** Frac with 99881# 20/40 white sand in 591 bbls lightning 17 fluid; 686 bbls total fluid to recover.

PERFORATION RECORD

5704-5705'	3 JSPF	3 holes
5697-5698'	3 JSPF	3 holes
5692-5693'	3 JSPF	3 holes
5556-5557'	3 JSPF	3 holes
5551-5552'	3 JSPF	3 holes
5544-5545'	3 JSPF	3 holes
5529-5530'	3 JSPF	3 holes
5246-5247'	3 JSPF	3 holes
5173-5174'	3 JSPF	3 holes
5158-5159'	3 JSPF	3 holes
5151-5152'	3 JSPF	3 holes
5144-5145'	3 JSPF	3 holes
5115-5116'	3 JSPF	3 holes
4951-4953'	3 JSPF	6 holes
4948-4949'	3 JSPF	3 holes
4812-4813'	3 JSPF	3 holes
4807-4808'	3 JSPF	3 holes
4657-4658'	3 JSPF	3 holes
4185-4187'	3 JSPF	6 holes
4144-4145'	3 JSPF	3 holes
4137-4139'	3 JSPF	6 holes
4081-4082'	3 JSPF	3 holes
4076-4077'	3 JSPF	3 holes

NEWFIELD

GMBU B-14-9-16

730'FSL & 731' FEL (SE/SE)

Section 11, T9S, R16E

Duchesne County, Utah

API #43-013-50580; Lease # UTU-096550

CS03/15/12

ATTACHMENT E-15

NEWFIELD

GMBU C-13-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Location: NE/NE- Sec 13, T9S, R16E; 614' FNL & 1,825' FEL

5,477' GL + 10' KB

API#: 43-013-51156; Lease#: UTU-64805

Mickey Moulton

PFM 12/4/2012

Spud Date: 9/21/2012; PoP Date: 10/30/2012

CASING DETAIL

Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
Surf	10'	6,227'	8-5/8"	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,227'	5-1/2"	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875

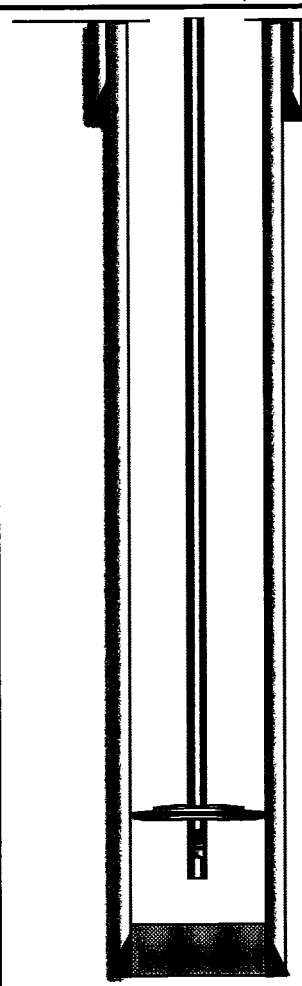
TBG. DETAIL

Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger
10'	5,664'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,565'
										Seating Nipple @ 5,599'

ROD DETAIL

Component	Top	Bottom	Size	Grade	Length	Count	Pump
Polish Rod	0'	30'	1 1/2"	Spray Metal	30'	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,592'. 4' Spray Metal plunger 0.003.
Pony Rod	30'	32'	7/8"	Tenaris D78	2'	1	
Pony Rod	32'	36'	7/8"	Tenaris D78	4'	1	
Pony Rod	36'	42'	7/8"	Tenaris D78	6'	1	
4per Guided Rod	42'	1,792'	7/8"	Tenaris D78	1,750'	70	
4per Guided Rod	1,792'	4,892'	3/4"	Tenaris D78	3,100'	124	
8per Guided Rod	4,892'	5,592'	7/8"	Tenaris D78	700'	28	

Stage	Top	Bottom	SPF	Gun Size	Date	Frac Summary			
5	4,156'	4,159'	3	9'	10/18/2012	**Formation:**	GB-6	GB-4	
	4,205'	4,207'	3	6'	10/18/2012	**20/40 White:**	27,047 lbs	**15% HCl:**	0 gals
	0'	0'	3	0'	-	**Pad:**	2,965 gals	**Treating Fluid:**	6,665 gals
	0'	0'	3	0'	-	**Flush:**	4,561 gals	**Load to Recover:**	14,191 gals
	0'	0'	3	0'	-	**ISIP=**	0.882 psi/ft	**Max STP:**	3,099 psi
4	4,330'	4,332'	3	6'	10/18/2012	**Formation:**	PB-10	PB-8	
	4,400'	4,402'	3	6'	10/18/2012	**20/40 White:**	37,380 lbs	**15% HCl:**	252 gals
	4,414'	4,416'	3	6'	10/18/2012	**Pad:**	3,406 gals	**Treating Fluid:**	8,816 gals
	0'	0'	3	0'	-	**Flush:**	4,309 gals	**Load to Recover:**	16,783 gals
	0'	0'	3	0'	-	**ISIP=**	1.044 psi/ft	**Max STP:**	3,874 psi
3	4,584'	4,586'	3	6'	10/17/2012	**Formation:**	C-Sand	DS-1	
	4,859'	4,861'	3	6'	10/17/2012	**20/40 White:**	64,788 lbs	**15% HCl:**	252 gals
	4,869'	4,872'	3	9'	10/17/2012	**Pad:**	3,826 gals	**Treating Fluid:**	16,190 gals
	0'	0'	3	0'	-	**Flush:**	4,448 gals	**Load to Recover:**	24,716 gals
	0'	0'	3	0'	-	**ISIP=**	0.884 psi/ft	**Max STP:**	3,142 psi
2	5,017'	5,019'	3	6'	10/17/2012	**Formation:**	A-3	A-1	B-1
	5,021'	5,022'	3	3'	10/17/2012	**20/40 White:**	53,183 lbs	**15% HCl:**	252 gals
	5,139'	5,140'	3	3'	10/17/2012	**Pad:**	3,284 gals	**Treating Fluid:**	13,019 gals
	5,147'	5,149'	3	6'	10/17/2012	**Flush:**	5,498 gals	**Load to Recover:**	22,053 gals
	5,180'	5,181'	3	3'	10/17/2012	**ISIP=**	- psi/ft	**Max STP:**	2,966 psi
1	5,562'	5,564'	3	6'	10/16/2012	**Formation:**	CP-1	CP-Half	
	5,605'	5,609'	3	12'	10/16/2012	**20/40 White:**	27,492 lbs	**15% HCl:**	378 gals
	0'	0'	3	0'	-	**Pad:**	2,747 gals	**Treating Fluid:**	7,060 gals
	0'	0'	3	0'	-	**Flush:**	5,431 gals	**Load to Recover:**	15,616 gals
	0'	0'	3	0'	-	**ISIP=**	0.794 psi/ft	**Max STP:**	3,191 psi



CEMENT

Surf	On 9/21/12 Baker cemented 8 5/8" casing w/ 160 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.17 yield and returned 5 bbls to the pit.
Prod	On 9/29/12 Baker pumped 222 sks lead @ 11 ppg w/ 3.53 yield plus 448 sks tail @ 14.4 ppg w/ 1.24 yield. TOC @ 90'

ATTACHMENT E-16

NEWFIELD

GMBU R-12-9-16

Monument Butte - Duchesne County, Utah, USA

Surface Legal Location: SW/SE - Sec 12, T9S, R16E; 432' FSL & 2385' FEL — **Paul Lembcke**

Elevation: 5503' GL + 10' KB — **DLB 5/2/13**

API#: 43-013-51154; Lease#: UTU-035521 — **Spud Date: 1/30/13; PoP Date: 3/8/13**

CASING DETAIL

Casing	Top	Bottom	Size	Wt	Grade	Drift	Burst	Collapse	ID	gal/ft	Coupling	Hole
Surf	10'	321'	8.625	24#	J-55	7.972"	2,950	1,370	8.097"	2.6749	STC	12.250
Prod	10'	6,268'	5.500	15.5#	J-55	4.825"	4,810	4,040	4.950"	0.9997	LTC	7.875

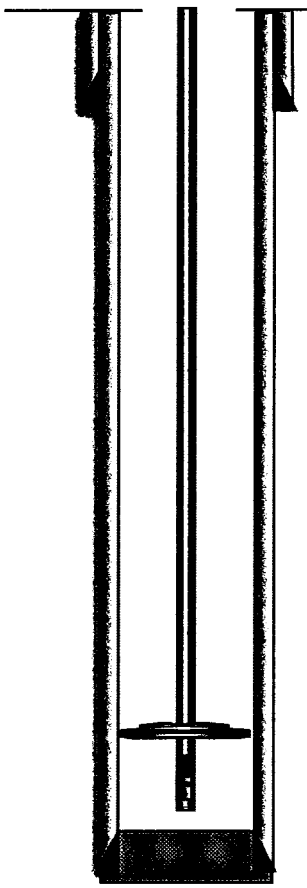
TBG. DETAIL

Top	Bottom	Coupling	Size	Wt.	Grade	Drift	Burst	Collapse	ID	Packer/Hanger
10'	5,708'	8EUE	2-7/8"	6.5#	J-55	2.347"	7,260	7,680	2.441"	Tubing Anchor Set @ 5,610'

ROD DETAIL

Component	Top	Bottom	Size	Grade	Length	Count	Pump
Polish Rod	0'	30'	1 1/2"	Spray Metal	30	1	Insert Pump: 2.5 Max ID x 1.75 Plunger RHAC @ 5,642'
Pony Rod	30'	32'	7/8"	Tenaris D78	2	1	
Pony Rod	32'	36'	7/8"	Tenaris D78	4	1	
Pony Rod	36'	42'	7/8"	Tenaris D78	6	1	
4per Guided Rod	42'	1,942'	7/8"	Tenaris D78	1900	76	
4per Guided Rod	1,942'	4,942'	3/4"	Tenaris D78	3000	120	
8per Guided Rod	4,942'	5,642'	7/8"	Tenaris D78	700	28	

Stage	Top	Bottom	SPF	EHD	Date	Frac Summary			
4	4,448'	4,450'	3	0.34	3/5/2013	**Formation:**	PB10		**7% KCL**
	4,465'	4,468'	3	0.34	3/5/2013	**20/40 White:**	72,960 lbs	**15% HCl:**	0 gals
						Pad:	6,686 gals	**Treating Fluid:**	17,418 gals
						Flush:	4,469 gals	**Load to Recover:**	28,573 gals
						ISIP=	0.913 psi/ft	**Max STP:**	2,640 psi
3	4,877'	4,879'	3	0.34	3/5/2013	**Formation:**	C-Sand D3		**7% KCL**
	4,907'	4,908'	3	0.34	3/5/2013	**20/40 White:**	61,970 lbs	**15% HCl:**	252 gals
	4,912'	4,914'	3	0.34	3/5/2013	**Pad:**	4,561 gals	**Treating Fluid:**	14,379 gals
						Flush:	4,855 gals	**Load to Recover:**	24,047 gals
						ISIP=	0.834 psi/ft	**Max STP:**	3,130 psi
2	5,195'	5,196'	3	0.34	3/5/2013	**Formation:**	A3 A1		**7% KCL**
	5,224'	5,225'	3	0.34	3/5/2013	**20/40 White:**	113,114 lbs	**15% HCl:**	252 gals
	5,236'	5,238'	3	0.34	3/5/2013	**Pad:**	5,943 gals	**Treating Fluid:**	26,242 gals
	5,243'	5,244'	3	0.34	3/5/2013	**Flush:**	5,288 gals	**Load to Recover:**	37,725 gals
	5,247'	5,248'	3	0.34	3/5/2013	**ISIP=**	0.850 psi/ft	**Max STP:**	2,882 psi
	5,253'	5,254'	3	0.34	3/5/2013				
1	5,604'	5,606'	3	0.34	3/5/2013	**Formation:**	CP1 CP-Half		**7% KCL**
	5,638'	5,640'	3	0.34	3/5/2013	**20/40 White:**	46,718 lbs	**15% HCl:**	378 gals
	5,652'	5,654'	3	0.34	3/5/2013	**Pad:**	6,783 gals	**Treating Fluid:**	10,910 gals
						Flush:	5,603 gals	**Load to Recover:**	23,548 gals
						ISIP=	0.742 psi/ft	**Max STP:**	2,973 psi



8-5/8"Shoe @ 321'

EOT @ 5708'; TA @ 5610'

5-1/2"Shoe @ 6268'

PBTD @ 6223'

TVD @ 6136'

BHST = 190°F

CEMT

Surf	On 1/30/13 Pro Petro cemented 8 5/8" casing w/ 165 sks Class "G" + 2% KCl + 0.25#/sk Cello Flake at 15.8 ppg w/ 1.15 yield and returned 4 bbls to the pit.
Prod	On 2/17/13 Halliburton pumped 265 sks lead @ 11 ppg w/ 2.71 yield plus 460 sks tail @ 14.4 ppg w/ 1.3 yield. Returned 35 bbls to the pit. TOC @ 1014'.

ATTACHMENT E-17

Greater Monument Butte S-11-9-16

Spud Date: 12/4/10
Put on Production: 1/5/11

GL: 5612' KB: 5624'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts. (297.17')
DEPTH LANDED: 307.02'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 146 jts. (6188.29')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 6244.55'
CEMENT DATA: 300 sxs Prem. Lite II mixed & 400 sxs 50/50 POZ.
CEMENT TOP AT: 316 '

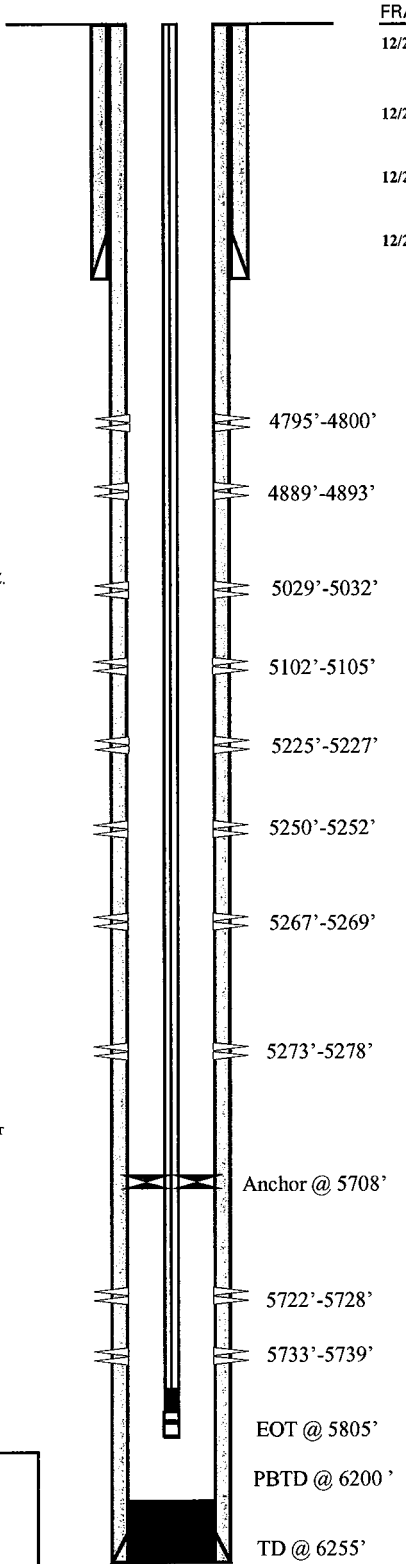
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 184 jts (5697.5')
TUBING ANCHOR: 5707.5'
NO. OF JOINTS: 1 jts (30.0')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5740.3' KB
NO. OF JOINTS: 2 jts (62.9')
TOTAL STRING LENGTH: EOT @ 5805'

SUCKER RODS

POLISHED ROD: 1-1/2" x 30'
SUCKER RODS: 1 - 7/8" = 2' pony rods; 1 - 7/8" = 4' pony rods; 1 – 7/8" = 6' pony rods; 1 – 7/8' = 8' pony rods; 223 - 7/8" = 5575' 8 per guided rods; 4 - 1 ½" = 100' weight bars
PUMP SIZE: 2 ½ x 1 3/4 x 20' x 24' RHAC
STROKE LENGTH: 144
PUMP SPEED: 5 SPM

Wellbore Diagram



FRAC JOB

12/27/10	**5722'- 5739'**	**Frac CP2 sands as follows:** Frac with 50,456# 20/40 sand in 309 bbls Lightning 17 fluid.
12/28/10	**5225' – 5278'**	**Frac A1 & A3 sands as follows:** Frac with 35,079# 20/40 sand in 232 bbls Lightning 17 fluid.
12/28/10	**5029' – 5105'**	**Frac B .5 & B2 sands as follows:** Frac with 15,052# 20/40 sand in 135 bbls Lightning 17 fluid.
12/28/10	**4795' – 4893'**	**Frac D1 & D2 sands as follows:** Frac with 39,227# 20/40 sand in 240 bbls Lightning 17 fluid.

PERFORATION RECORD

5733'-5739'	3 JSPF	18 holes
5722'-5728'	3 JSPF	18 holes
5273'-5278'	3 JSPF	15 holes
5267'-5269'	3 JSPF	6 holes
5250'-5252'	3 JSPF	6 holes
5225'-5227'	3 JSPF	6 holes
5102'-5105'	3 JSPF	9 holes
5029'-5032'	3 JSPF	9 holes
4889'-4893'	3 JSPF	12 holes
4795'-4800'	3 JSPF	15 holes

NEWFIELD

Greater Monument Butte S-11-9-16
1992' FSL & 2015' FEL (NW/SE)
Section 11, T9S, R16E
Duchesne Co, Utah
API # 43-013-50279; Lease # UTU-096550

VC 1-13-11

ATTACHMENT E-18

Balcron Monument Federal 24-12J-9-16

Spud Date: 11/8/93
Put on Production: 12/30/93
GL: 5495' KB: 5505'

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 6jts. (271.28')
DEPTH LANDED: 279'
HOLE SIZE: 12-1/4"
CEMENT DATA: 150 sxs Class "G" cmt

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 129 jts. (5676.22')
HOLE SIZE: 7-7/8"
DEPTH LANDED: 5685.22'
CEMENT DATA: 204 sxs Prem. Lite II mixed & 215 sxs 50/50 POZ.
CEMENT TOP AT: 279'

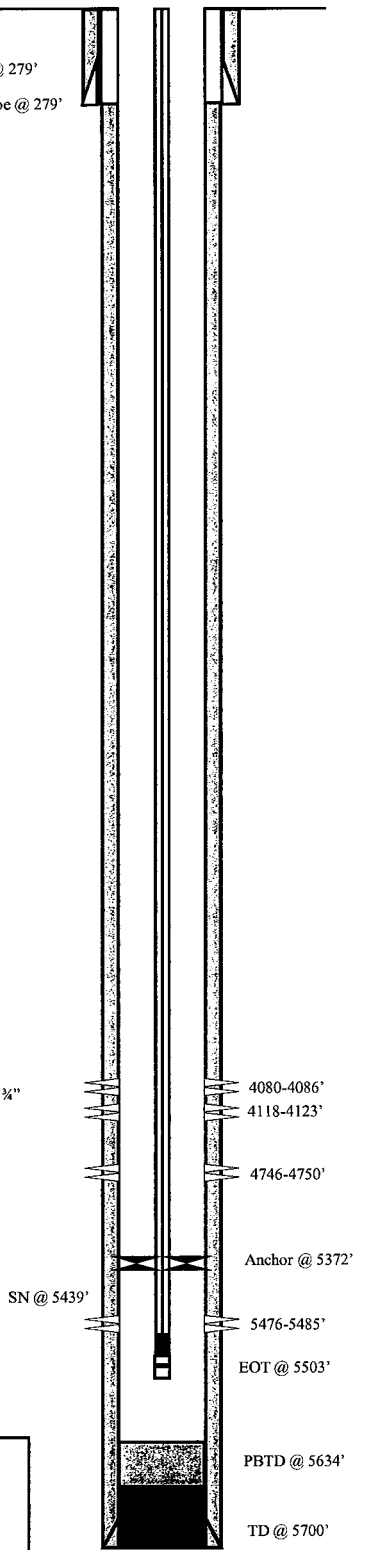
TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 172 jts (5361')
TUBING ANCHOR: 5371.7'
NO. OF JOINTS: 1 jts (64.2')
SEATING NIPPLE: 2-7/8" (1.1')
SN LANDED AT: 5438.7' KB
NO. OF JOINTS: 2 jts (5439.8')
TOTAL STRING LENGTH: EOT @ 5503'

SUCKER RODS

POLISHED ROD: 1-1/4" x 22'
SUCKER RODS: 77- ¾" guided rods (4 per), 114- ¾" sucker rods, 20- ¾" guided rods (4 per), 6- 1 ½" weight bars
PUMP SIZE: 2 ½ x 1 1/2 x 16' RHAC
STROKE LENGTH: 76
PUMP SPEED: 4.5 SPM

Wellbore Diagram



FRAC JOB

12/22/93	**4080'-4123'Frac**	**Frac sands as follows:** with 33085 # 16-30 sand in 500 bbls of YF155 2% KCl water.
12/17/93	**4746'-4750'**	**Frac sands as follows:** with 13978# 16-30 sand in 247 bbls of YF155 2% KCl water. Screened out during flush. ATR 15 BPM @ 2500 psi, max 3350 psi. I SI P 2450 psi, 10 min – 1488 psi, 15 min – 1484 psi.
12/14/93		**Frac sands as follows:** Screened out – no details available.
12/7/09		Parted rods. Updated rod and tubing details.

PERFORATION RECORD

4080'-4086'	2 JSPF	12 holes
4118'-4123'	2 JSPF	10 holes
4746'-4750'	2 JSPF	8 holes
5476'-5485'	2 JSPF	18 holes

NEWFIELD

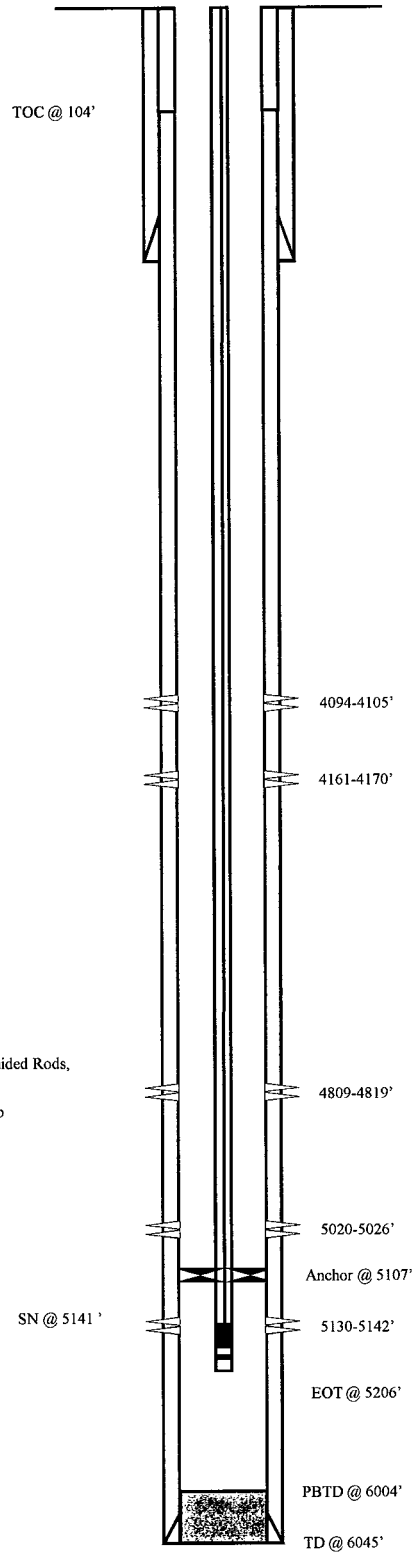
Balcron Monument Federal 24-12J-9-16
539' FSL & 1777' FWL
SE/SW Section 12-T9S-R16E
Duchesne Co, Utah
API # 43-013-31409; Lease # U-035521-A

KC 2-26-09

Jonah Fed LA-14-9-16

Spud Date: 12/19/2008
Put on Production: 1/27/2009
GL: 5606' KB: 5618'

Wellbore Diagram



SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT: 24#
LENGTH: 7 jts (315.79')
DEPTH LANDED: 326.79'
HOLE SIZE: 12-1/4"
CEMENT DATA: 160 sxs Class 'G' cmt, circ 5 bbls to surf

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 158 jts (6047.44')
DEPTH LANDED: 6045.44'
HOLE SIZE: 7-7/8"
CEMENT DATA: 280 sxs Premlite II & 415 sxs 50/50 POZ
CEMENT TOP : 104' per CBL 1/16/09

TUBING (KS 3/1/10)

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#
NO. OF JOINTS: 162 jts (5107.3')
TUBING ANCHOR: 5107.3' KB
NO. OF JOINTS: 1 jt (31.6')
SEATING NIPPLE: 2-7/8" (1.10')
SN LANDED AT: 5141.8'
NO. OF JOINTS: 2 jts (63.1')
NOTCHED COLLAR: 5206'
TOTAL STRING LENGTH: EOT @ 5206'

SUCKER RODS (KS 3/1/10)

POLISHED ROD: 1-½" x 26' Polished Rod
SUCKER RODS: 2', 6' x 7/8" Pony Rods, 201 x 7/8" 8per Guided Rods, 4 x 1-½" Sinker Bars
PUMP SIZE: 1 ½" x 1 ¾" x 20' RHAC central hydraulic pump
STROKE LENGTH: 124"
PUMP SPEED, SPM: 3.0
PUMPING UNIT: DARCO C-456-305-144

FRAC JOB

1/20/09 5130-5142' Frac A3 sds as follows:
49,252# 20/40 sand in 460 bbls of Lightning 17 fluid. Broke @ 2780 psi. Treated w/ ave pressure of 2065 psi w/ ave rate of 22.9 BPM. ISIP 2290 psi. Actual flush: 4624 gals.

1/20/09 5020-5026' Frac A.5 sds as follows:
24,711# 20/40 sand in 367 bbls of Lightning 17 fluid. Broke @ 4040 psi. Treated w/ ave pressure of 2423 psi w/ ave rate of 22.9 BPM. ISIP 2411 psi. Actual flush: 4515 gals.

1/20/09 4809-4819' Frac C sds as follows:
24,955# 20/40 sand in 350 bbls of Lightning 17 fluid. Broke @ 3045 psi. Treated w/ ave pressure of 2300 psi w/ ave rate of 23.0 BPM. ISIP 3472 psi. Actual flush: 4221 gals.

1/20/09 4161-4170' Frac GB6 sds as follows:
55,178# 20/40 sand in 477 bbls of Lightning 17 fluid. Broke @ 3936 psi. Treated w/ ave pressure of 1800 psi w/ ave rate of 23.2 BPM. ISIP 1734 psi. Actual flush: 3738 gals.

1/20/09 4094-4105' Frac GB4 sds as follows:
69,186# 20/40 sand in 552 bbls of Lightning 17 fluid. Broke @ 2614 psi. Treated w/ ave pressure of 2200 psi w/ ave rate of 23.1 BPM. ISIP 1915 psi. Actual flush: 4007 gals.

03/03/2010 Pump Maintenance. Update rod and tubing details.

PERFORATION RECORD

1/20/09	4094-4105'	4 JSPF	44 holes
1/20/09	4161-4170'	4 JSPF	36 holes
1/20/09	4809-4819'	4 JSPF	40 holes
1/20/09	5020-5026'	4 JSPF	24 holes
1/20/09	5130-5142'	4 JSPF	48 holes

NEWFIELD

Jonah LA-14-9-16

1906' FNL & 732' FEL
SE/NE Section 14-T9S-R16E
Duchesne Co, Utah
API # 43-013-34164 ; Lease # UTU-096550

KS 8/10/12

GMBU 8-14T-9-16

Spud Date: 09/13/12

Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT: 24#

DEPTH LANDED: 2 jts. 80'

HOLE SIZE:12-1/4"

MONITOR CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 30 jts. (1220')

DEPTH LANDED: 1229.6' KB

FLOAT COLLAR @ 1186'KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 250 sxs Class G 50:50:2+3%KCL+0.5%EC+0.25#CF mixed @ 14.4 ppg & 1.25 yield.

CEMENT TOP: 24'

TUBING

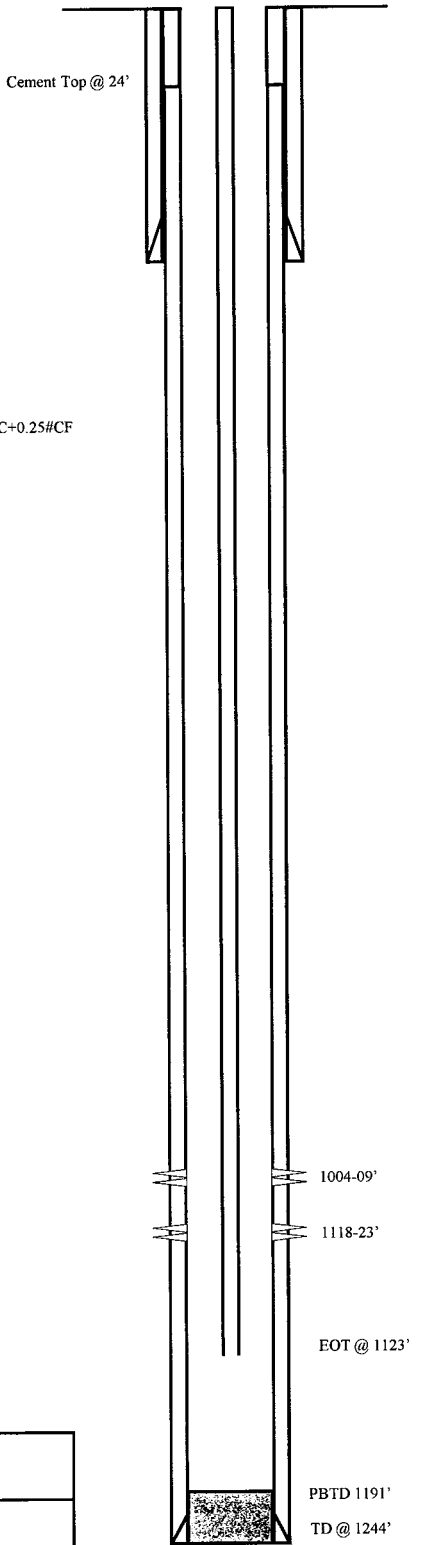
SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

NO. OF JOINTS: 35

SEATING NIPPLE: 2-7/8" 1.1'

NOTCHED COLLAR: 2-7/8" .5'

TOTAL STRING LENGTH: EOT @ 1123' KB



Perforation Record:

10/9/2012

1118-23' 16g, 0.34" EHD, 22" pen, 120 deg phasing, w/3spf (15 holes)

1004-09' 16g, 0.34" EHD, 22" pen, 120 deg phasing, w/3spf (15 holes)

NEWFIELD

GMBU 8-14T-9-16 (Monitor Well)
1978' FNL & 731' FEL
SENE Section 14-T9S-R16E
Duchesne Co, Utah
API #43-013-50880; Lease #UTU-096550

JLF 10/17/2012

ATTACHMENT F

1 of 7

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **BELUGA INJECTION**
Sample Point: **After Filters**
Sample Date: **11/28/2012**
Sample ID: **WA-228948**

Sales Rep: **Michael McBride**
Lab Tech: **Gary Peterson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	12/5/2012
System Temperature 1 (°F):	120.00
System Pressure 1 (psig):	60.0000
System Temperature 2 (°F):	210.00
System Pressure 2 (psig):	60.0000
Calculated Density (g/ml):	1.003
pH:	7.40
Calculated TDS (mg/L):	7933.86
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	13.00
H_2S in Gas (%):	
H2S in Water (mg/L):	7.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	2814.83	Chloride (Cl):	4000.00
Potassium (K):	20.00	Sulfate (SO_4):	460.00
Magnesium (Mg):	47.00	Bicarbonate (HCO_3):	512.00
Calcium (Ca):	79.00	Carbonate (CO_3):	
Strontium (Sr):		Acetic Acid (CH_3COO)	
Barium (Ba):	0.14	Propionic Acid (C_2H_5COO)	
Iron (Fe):	0.17	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.02	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.00	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.70	Silica (SiO_2):	

Notes:
11:30

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.96	36.46	0.00	0.00	1.15	0.09	0.30	0.06	0.00	0.00	0.00	0.00	0.00	0.00	7.08	0.01
200.00	60.00	0.89	33.50	0.00	0.00	1.11	0.09	0.22	0.05	0.00	0.00	0.00	0.00	0.00	0.00	7.13	0.01
190.00	60.00	0.81	30.53	0.00	0.00	1.06	0.08	0.15	0.04	0.00	0.00	0.00	0.00	0.00	0.00	7.19	0.01
180.00	60.00	0.73	27.58	0.00	0.00	1.03	0.08	0.07	0.02	0.00	0.00	0.00	0.00	0.00	0.00	7.25	0.01
170.00	60.00	0.66	24.68	0.02	0.00	0.99	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.32	0.01
160.00	60.00	0.59	21.85	0.05	0.01	0.97	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.40	0.01
150.00	60.00	0.52	19.12	0.08	0.01	0.95	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.48	0.01
140.00	60.00	0.45	16.50	0.12	0.02	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.57	0.01
130.00	60.00	0.39	14.02	0.17	0.03	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.67	0.01
120.00	60.00	0.33	11.69	0.23	0.04	0.93	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.79	0.01

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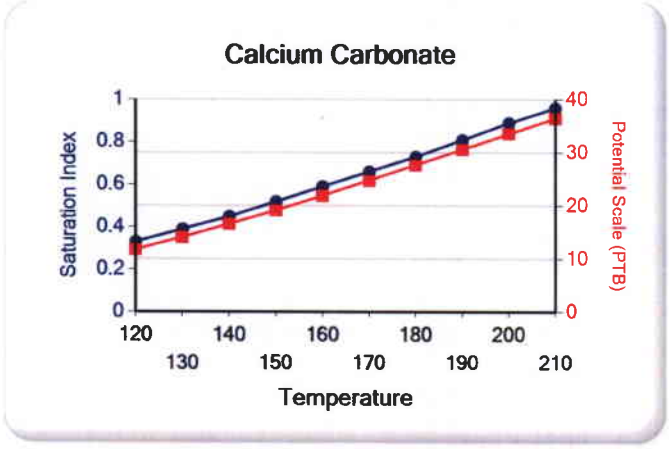
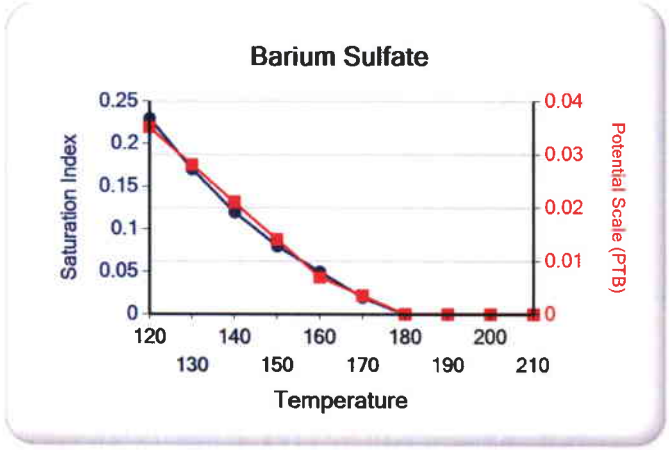
Water Analysis Report

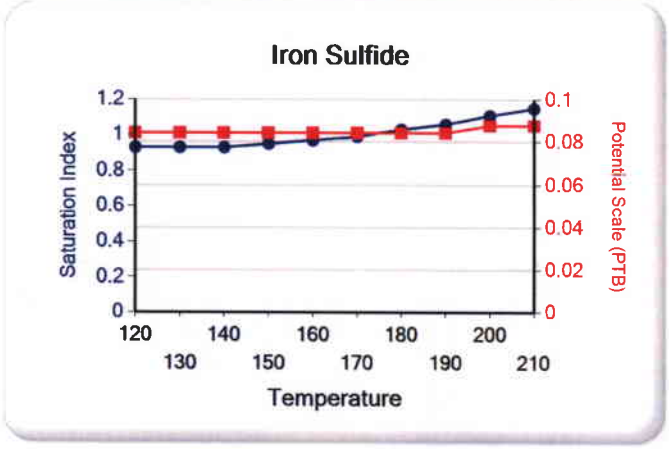
		Hemihydrate CaSO4*0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

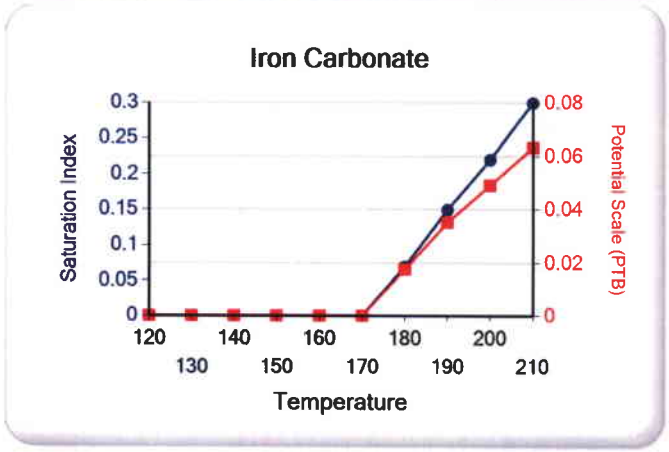
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Iron Sulfide Iron Carbonate Zinc Sulfide

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Zinc Sulfide









Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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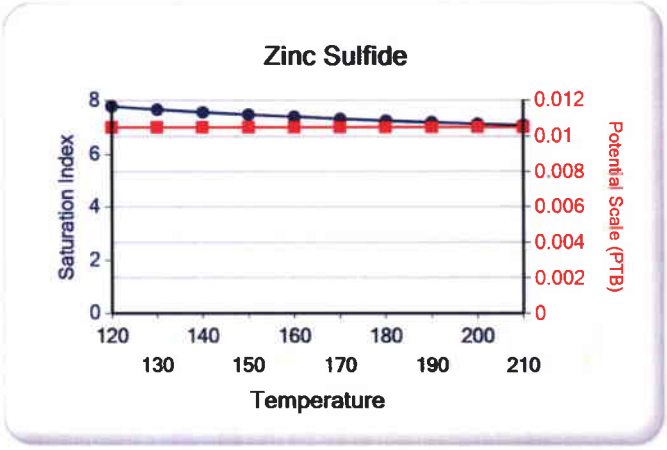
Water Analysis Report



ATTACHMENT F

4 of 7

Multi-Chem Analytical Laboratory
1553 East Highway 40
Vernal, UT 84078

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Units of Measurement: **Standard**

Water Analysis Report

Production Company: **NEWFIELD PRODUCTION**
Well Name: **PAN AMERICAN 1FR-9-16**
Sample Point: **Treater**
Sample Date: **3/11/2013**
Sample ID: **WA-236951**

Sales Rep: **Michael McBride**
Lab Tech: **Layne Wilkerson**

Scaling potential predicted using ScaleSoftPitzer from Brine Chemistry Consortium (Rice University)

Sample Specifics	
Test Date:	3/20/2013
System Temperature 1 (°F):	120.00
System Pressure 1 (psig):	60.0000
System Temperature 2 (°F):	210.00
System Pressure 2 (psig):	60.0000
Calculated Density (g/ml):	1.009
pH:	8.00
Calculated TDS (mg/L):	16871.60
CO2 in Gas (%):	
Dissolved CO_2 (mg/L)):	56.00
H_2S in Gas (%):	
H2S in Water (mg/L):	5.00

Analysis @ Properties in Sample Specifics			
Cations	*mg/L*	*Anions*	*mg/L*
Sodium (Na):	6266.50	Chloride (Cl):	9000.00
Potassium (K):	83.00	Sulfate (SO_4):	329.00
Magnesium (Mg):	19.00	Bicarbonate (HCO_3):	1098.00
Calcium (Ca):	33.00	Carbonate (CO_3):	
Strontium (Sr):	5.60	Acetic Acid (CH_3COO)	
Barium (Ba):	4.70	Propionic Acid (C_2H_5COO)	
Iron (Fe):	16.00	Butanoic Acid (C_3H_7COO)	
Zinc (Zn):	0.24	Isobutyric Acid ($(CH_3)_2CHCOO$)	
Lead (Pb):	0.26	Fluoride (F):	
Ammonia NH_3:		Bromine (Br):	
Manganese (Mn):	0.34	Silica (SiO_2):	15.96

Notes:
B=18 Al=.2

(PTB = Pounds per Thousand Barrels)

		Calcium Carbonate		Barium Sulfate		Iron Sulfide		Iron Carbonate		Gypsum CaSO4·2H2O		Celestite SrSO4		Halite NaCl		Zinc Sulfide	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	1.22	24.87	1.02	2.53	3.33	4.54	2.90	11.62	0.00	0.00	0.00	0.00	0.00	0.00	8.26	0.13
200.00	60.00	1.16	24.24	1.03	2.54	3.30	4.53	2.84	11.61	0.00	0.00	0.00	0.00	0.00	0.00	8.33	0.13
190.00	60.00	1.10	23.54	1.05	2.55	3.28	4.53	2.79	11.61	0.00	0.00	0.00	0.00	0.00	0.00	8.41	0.13
180.00	60.00	1.05	22.78	1.08	2.56	3.27	4.53	2.73	11.61	0.00	0.00	0.00	0.00	0.00	0.00	8.50	0.13
170.00	60.00	0.99	21.97	1.11	2.58	3.26	4.53	2.67	11.60	0.00	0.00	0.00	0.00	0.00	0.00	8.59	0.13
160.00	60.00	0.94	21.11	1.14	2.60	3.26	4.53	2.61	11.59	0.00	0.00	0.00	0.00	0.00	0.00	8.69	0.13
150.00	60.00	0.89	20.20	1.18	2.61	3.26	4.53	2.55	11.58	0.00	0.00	0.00	0.00	0.00	0.00	8.80	0.13
140.00	60.00	0.84	19.27	1.22	2.63	3.28	4.53	2.49	11.58	0.00	0.00	0.00	0.00	0.00	0.00	8.92	0.13
130.00	60.00	0.80	18.33	1.27	2.65	3.29	4.53	2.42	11.57	0.00	0.00	0.00	0.00	0.00	0.00	9.05	0.13
120.00	60.00	0.75	17.38	1.33	2.67	3.32	4.53	2.36	11.55	0.00	0.00	0.00	0.00	0.00	0.00	9.18	0.13

Multi-Chem Analytical Laboratory
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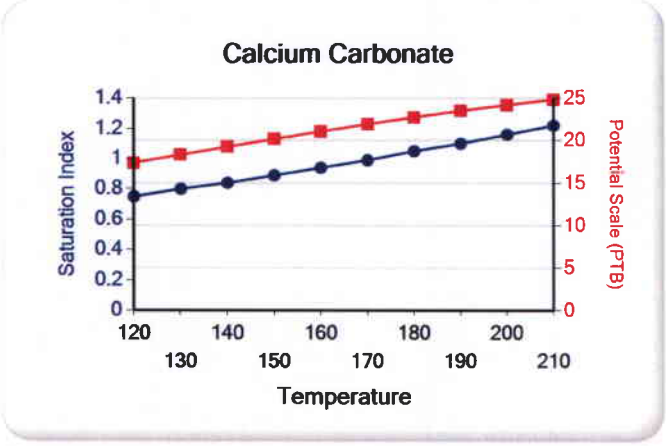
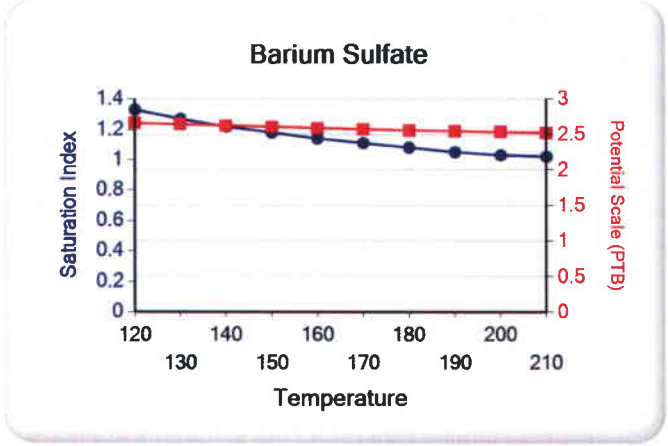
Water Analysis Report

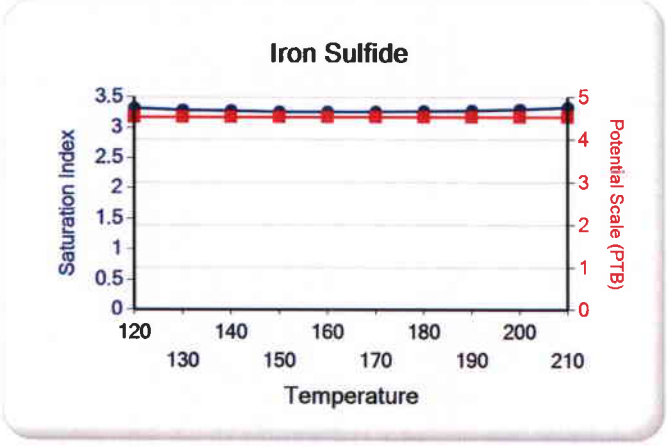
		Hemihydrate CaSO4~0.5H2O		Anhydrate CaSO4		Calcium Fluoride		Zinc Carbonate		Lead Sulfide		Mg Silicate		Ca Mg Silicate		Fe Silicate	
Temp (°F)	PSI	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB	SI	PTB
210.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.10	0.15	9.36	0.11	4.48	17.22	1.79	7.20	10.74	12.42
200.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	1.01	0.15	9.50	0.11	4.01	16.08	1.52	6.36	10.40	12.41
190.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.92	0.14	9.65	0.11	3.54	14.63	1.24	5.39	10.06	12.40
180.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.83	0.14	9.81	0.11	3.06	12.91	0.96	4.31	9.71	12.38
170.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.73	0.13	9.98	0.11	2.58	10.99	0.67	3.14	9.36	12.36
160.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.62	0.12	10.17	0.11	2.09	8.95	0.39	1.92	9.02	12.33
150.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.51	0.11	10.36	0.11	1.60	6.85	0.11	0.68	8.67	12.28
140.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.40	0.09	10.57	0.11	1.11	4.75	0.00	0.00	8.33	12.23
130.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.27	0.07	10.79	0.11	0.62	2.68	0.00	0.00	7.99	12.15
120.00	60.00	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.05	11.03	0.11	0.13	0.67	0.00	0.00	7.66	12.05

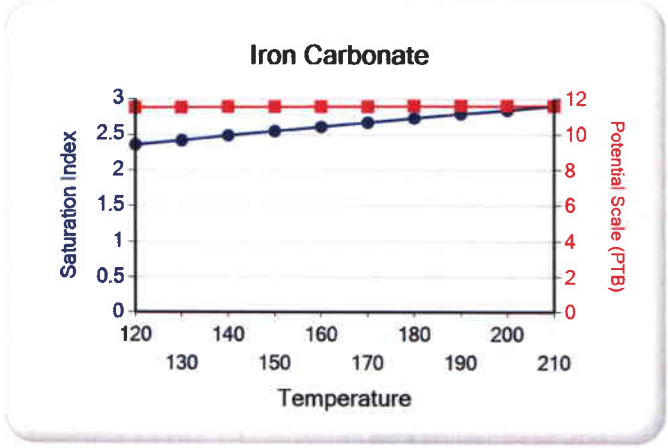
These scales have positive scaling potential under initial temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Ca Mg Silicate Fe Silicate

These scales have positive scaling potential under final temperature and pressure: Calcium Carbonate Barium Sulfate Iron Sulfide Iron Carbonate Zinc Sulfide Zinc Carbonate Lead Sulfide Mg Silicate Fe Silicate









Multi-Chem Analytical Laboratory
1553 East Highway 40
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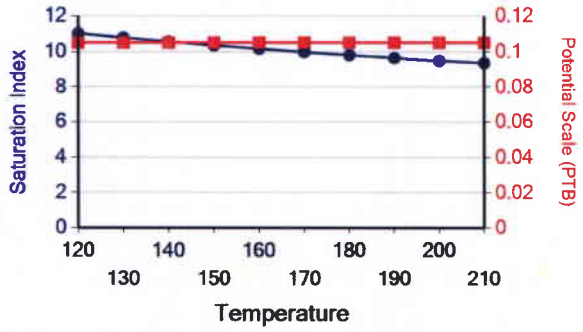
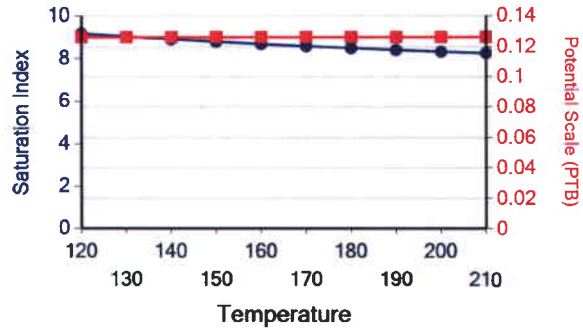
Water Analysis Report

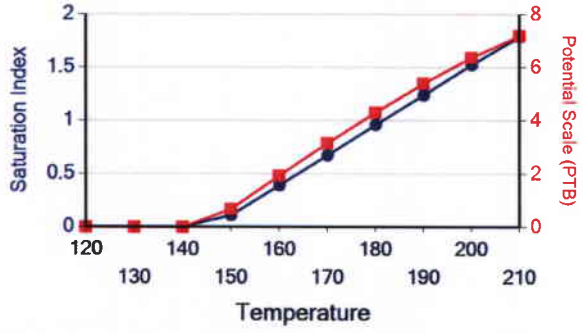
Lead Sulfide



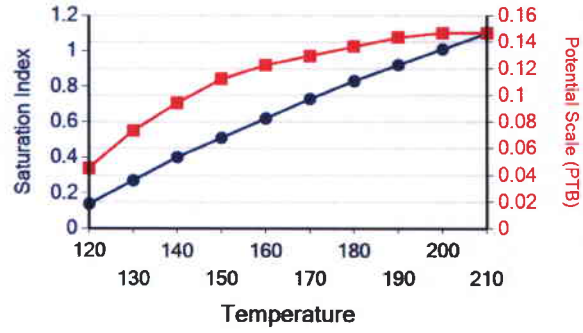
Zinc Sulfide



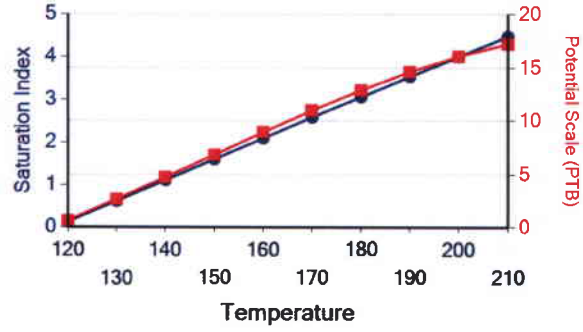
Ca Mg Silicate



Zinc Carbonate



Mg Silicate



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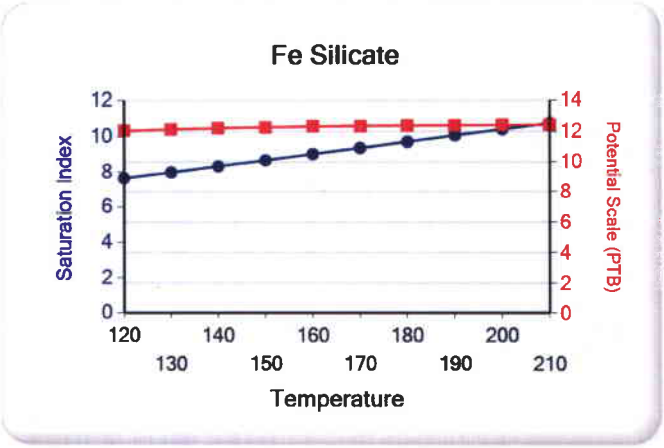
Water Analysis Report



Attachment "G"

Federal #1FR-13-9-16
Proposed Maximum Injection Pressure

Frac Interval (feet) Top	Bottom	Avg. Depth (feet)	ISIP (psi)	Calculated Frac Gradient (psi/ft)	Pmax
5038	5080	5059	2050	0.84	2017
4742	4750	4746	1980	0.85	1949
4300	4314	4307	2060	0.91	2032
4044	4110	4077	1820	0.88	1794 ←
				Minimum	1794

Calculation of Maximum Surface Injection Pressure
Pmax = (Frac Grad -(0.433*1.015)) x Depth of Top Perf
where pressure gradient for the fresh water is .433 psi/ft and
specific gravity of the injected water is 1.015.

Frac Gradient = (ISIP +(0.433*Top Perf.))/Top Perf.

Please note: These are existing perforations; additional perforations may be added during the actual conversion procedure.

NEWFIELD

ATTACHMENT G-1
1 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** 2-2-06 **Day:** 01

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 309' **Prod Csg:** 5-1/2" @ 5477' **Csg PBTD:** 5428'WL

Tbg: **Size:** **Wt:** **Grd:** **Pkr/EOT @:** **BP/Sand PBTD:**

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	5064-5080'	4/64
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 01-Feb-06 **SITP:** **SICP:** 0

Instal 5M frac head. NU 6" 5M Cameron BOP. RU H/O truck & pressure test casing, blind rams, frac head, csg & casing valves to 4500 psi. RU Perforators LLC WLT w/ mast & run CBL under pressure. WLTD @ 5428' & cement top @ 1290'. Perforate stage #1, A3 sds @ 5064-80' & A1 sds @ 5038-46' w/ 4" Port guns (19 gram, .46"HE. 120) w/ 4 spf for total of 96 shots. 129 bbls EWTR. SIFN.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 129 **Starting oil rec to date:**

Fluid lost/recovered today: 0 **Oil lost/recovered today:**

Ending fluid to be recovered: 129 **Cum oil recovered:**

IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

STIMULATION DETAIL

Base Fluid used: **Job Type:**

Company:

Procedure or Equipment detail:

Max TP: **Max Rate:** **Total fluid pmpd:**

Avg TP: **Avg Rate:** **Total Prop pmpd:**

ISIP: **5 min:** **10 min:** **FG:**

Completion Supervisor: Ron Shuck

COSTS

Weatherford BOP	
NPC NU crew	
NDSI trucking	
Perforators LLC	
Drilling cost	
Zubiate Hot Oil	
Location preparation	
NPC wellhead	
Benco - anchors	
Admin. Overhead	
NPC Supervisor	
DAILY COST:	$0
TOTAL WELL COST:	

NEWFIELD

ATTACHMENT G-1
2 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** 2-7-06 **Day:** 2a

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 309' Prod Csg: 5-1/2" @ 5477' Csg PBTD: 5428'WL

Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD:

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	5064-5080'	4/64
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Feb-06 **SITP:** **SICP:** 690

Day2a.
RU BJ Services "Ram Head" frac flange. RU BJ & frac A sds, stage #1 down casing w/ 70,448#'s of 20/40 sand ir 562 bbls of Lightning 17 frac fluid. Open well w/ 690 psi on casing. Perfs broke down @ 2152, back to 1830 psi Treated @ ave pressure of 1933 w/ ave rate of 24.9 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL in flush for nex stage. ISIP was 2050. 691 bbls EWTR. Leave pressure on well. **See day2b.**

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	129	Starting oil rec to date:	
Fluid lost/recovered today:	562	Oil lost/recovered today:	
Ending fluid to be recovered:	691	Cum oil recovered:	

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac

Company: BJ Services

Procedure or Equipment detail: A3 & A1 sds down casing

5418 gals of pad

3625 gals w/ 5-8 ppg of 20/40 sand

7250 gals w/ 5-8 ppg of 20/40 sand

1767 gals w/ 8 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 5040 gals of slick water

****Flush called @ blender to include 2 bbls pump/line volume****

Max TP: 2385 **Max Rate:** 25.3 **Total fluid pmpd:** 562 bbls

Avg TP: 1933 **Avg Rate:** 24.9 **Total Prop pmpd:** 70,448#'s

ISIP: 2050 **5 min:** **10 min:** **FG:** .84

Completion Supervisor: Ron Shuck

COSTS

Weatherford Services	
NPC frac water	
NPC fuel gas	
BJ Services A sds	
NPC Supervisor	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
3 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** 2-7-06 **Day:** 2b

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 309' **Prod Csg:** 5-1/2" @ 5477' **Csg PBTD:** 5428'WL

Tbg: **Size:** **Wt:** **Grd:** **Pkr/EOT @:** **BP/Sand PBTD:** 4900'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	5064-5080'	4/64
C sds	4742-4750'	4/32			
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Feb-06 **SITP:** **SICP:** 1100

Day2b.
RU Lone Wolf WLT, crane & lubricator. RIH w/ Weatherford 5-1/2" composite flow through frac plug & 8' perf gun Set plug @ 4900'. Perforate C sds @ 4742-50' w/ 3-1/8" Slick Guns (23 gram, .43"HE, 90) w/ 4 spf for total of 32 shots. RU BJ & frac stage #2 w/ 34,710#'s of 20/40 sand in 390 bbls of Lightning 17 frac fluid. Open well w/ 1100 ps on casing. Perfs broke down @ 3275, back to 1980 psi. Treated @ ave pressure of 1978 w/ ave rate of 24.8 bpm w/ 6.5 ppg of sand. Spot 12 bbls of 15% HCL in flush for next stage. ISIP was 1980. 1081 bbls EWTR. Leave pressure on well. **See day2C.**

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 691 **Starting oil rec to date:**
Fluid lost/recovered today: 390 **Oil lost/recovered today:**
Ending fluid to be recovered: 1081 **Cum oil recovered:**
IFL: **FFL:** **FTP:** **Choke:** **Final Fluid Rate:** **Final oil cut:**

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac
Company: BJ Services
Procedure or Equipment detail: C sds down casing

3318 gals of pad
2431 gals w/ 1-4 ppg of 20/40 sand
4890 gals w/ 4-6.5 ppg of 20/40 sand
491 gals w/ 6.5 ppg of 20/40 sand
504 gals of 15% HCL acid
Flush w/ 4746 gals of slick water
****Flush called @ blender to include 2 bbls pump/line volume****

Max TP: 2125 **Max Rate:** 25.2 **Total fluid pmpd:** 390 bbls
Avg TP: 1978 **Avg Rate:** 24.8 **Total Prop pmpd:** 34,710#'s
ISIP: 1980 **5 min:** **10 min:** **FG:** .85
Completion Supervisor: Ron Shuck

COSTS

Weatherford Services	
NPC frac water	
NPC fuel gas	
BJ Services C sds	
NPC Supervisor	
Lone Wolf C sds	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
4 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** 2-7-06 **Day:** 2c

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 309' Prod Csg: 5-1/2" @ 5477' Csg PBTD: 5428'WL

Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4440'

Plug 4900'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
			A3 sds	5064-5080'	4/64
PB10 sds	4300-4314'	4/56			
C sds	4742-4750'	4/32			
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Feb-06 SITP: SICP: 1440

Day2c.
RU WLT. RIH w/ frac plug & 14' perf gun. Set plug @ 4440'. Perforate PB10 sds @ 4300-14' w/ 4 spf for total of 56 shots. RU BJ & frac stage #3 w/ 35,142#'s of 20/40 sand in 348 bbls of Lightning 17 frac fluid. Open well w/ 1440 ps on casing. Perfs broke down @ 1580, back to 1460 psi. Treated @ ave pressure of 1820 w/ ave rate of 24.8 bpm w/ 8 ppg of sand. Spot 12 bbls of 15% HCL in flush for next stage. ISIP was 2060. 1429 bbls EWTR. Leave pressure on well. **See day2d.**

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	1081	Starting oil rec to date:	
Fluid lost/recovered today:	348	Oil lost/recovered today:	
Ending fluid to be recovered:	1429	Cum oil recovered:	

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac

Company: BJ Services

Procedure or Equipment detail: C sds down casing

3402 gals of pad

2194 gals w/ 1-5 ppg of 20/40 sand

4190 gals w/ 5-8 ppg of 20/40 sand

504 gals of 15% HCL acid

Flush w/ 4326 gals of slick water

Flush called @ blender to include 2 bbls pump/line volume

Max TP: 1965 Max Rate: 25.2 Total fluid pmpd: 348 bbls

Avg TP: 1820 Avg Rate: 24.8 Total Prop pmpd: 35,142#'s

ISIP: 2060 5 min: 10 min: FG: .91

Completion Supervisor: Ron Shuck

COSTS

Weatherford Services	
NPC frac water	
NPC fuel gas	
BJ Services PB10 sd	
NPC Supervisor	
Lone Wolf PB10 sds	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
5 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** 2-7-06 **Day:** 2d

Operation: Completion **Rig:** Rigless

WELL STATUS

Surf Csg: 8-5/8' @ 309' Prod Csg: 5-1/2" @ 5477' Csg PBTD: 5428'WL

Tbg: Size: Wt: Grd: Pkr/EOT @: BP/Sand PBTD: 4220'

Plug 4900' 4440'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4044-4066'	4/88	A3 sds	5064-5080'	4/64
GB6 sds	4094-4098'	4/16			
GB6 sds	4104-4110'	4/24			
PB10 sds	4300-4314'	4/56			
C sds	4742-4750'	4/32			
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: 06-Feb-06 **SITP:** **SICP:** 1440

Day2d.
RU WLT. RIH w/ frac plug & 6' & 4' perf gun. Set plug @ 4220'. Perforate GB6 sds @ 4104-10', 4094-98', 4044-66 w/ 4 spf for total of 128 shots. RU BJ & frac stage #4 w/ 67,736#'s of 20/40 sand in 511 bbls of Lightning 17 frac fluid Open well w/ 1390 psi on casing. Perfs broke down @ 2479, back to 1600 psi. Treated @ ave pressure of 1805 w/ ave rate of 24.9 bpm w/ 8 ppg of sand. ISIP was 1820. 1940 bbls EWTR. RD BJ & WLT. Flow well back. Well flowed for 3 hours & died w/ 220 bbls rec'd. SIFN.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	1940	Starting oil rec to date:	
Fluid lost/recovered today:	220	Oil lost/recovered today:	
Ending fluid to be recovered:	1720	Cum oil recovered:	

IFL: FFL: FTP: Choke: Final Fluid Rate: Final oil cut:

STIMULATION DETAIL

Base Fluid used: Lightning 17 **Job Type:** Sand frac

Company: BJ Services

Procedure or Equipment detail: GB6 sds down casing

5418 gals of pad

3625 gals w/ 1-5 ppg of 20/40 sand

7250 gals w/ 5-8 ppg of 20/40 sand

1263 gals w/ 8 ppg of 20/40 sand

Flush w/ 3906 gals of slick water

Max TP: 1450 Max Rate: 25.2 Total fluid pmpd: 511 bbls

Avg TP: 1805 Avg Rate: 24.9 Total Prop pmpd: 67,736#'s

ISIP: 1628 5 min: 10 min: FG: .88

Completion Supervisor: Ron Shuck

COSTS

Weatherford Services	$2,200
NPC frac water	$990
NPC fuel gas	$198
BJ Services GB6 sds	$17,256
NPC Supervisor	$75
Lone Wolf GB6 sds	$5,380
NPC water transfer	$500
DAILY COST:	$26,599
TOTAL WELL COST:	$26,599

NEWFIELD

ATTACHMENT G-1
6 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** Feb. 8, 2006 **Day:** 03

Operation: Completion **Rig:** NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 309' Prod Csg: 5-1/2" @ 5477' Csg PBTD: 5428'WL

Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 3983' BP/Sand PBTD: 4220'

Plug 4900' 4440'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4044-4066'	4/88	A3 sds	5064-5080'	4/64
GB6 sds	4094-4098'	4/16			
GB6 sds	4104-4110'	4/24			
PB10 sds	4300-4314'	4/56			
C sds	4742-4750'	4/32			
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Feb. 7, 2006 **SITP:** _____ **SICP:** 125

MIRU NC #1. Thaw wellhead & BOP W/ HO truck. Bleed pressure off well. Rec est 15 BTF. ND Cameron BOP & 5M frac head. Install 3M production tbg head & NU Weatherford Schaeffer BOP. Talley, drift, PU & TIH W/ usec Weatherford 4 3/4" "chomp" bit, bit sub & new 2 7/8 8rd 6.5# J-55 tbg. Tag fill @ 4067'. Tbg displaced est 10 BTF or TIH. Pull EOT to 3983'. RU drlg equipment. SIFN W/ est 1695 BWTR.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1720 Starting oil rec to date: _____

Fluid lost/recovered today: 25 Oil lost/recovered today: _____

Ending fluid to be recovered: 1695 Cum oil recovered: _____

IFL: _____ FFL: _____ FTP: _____ Choke: _____ Final Fluid Rate: _____ Final oil cut: _____

STIMULATION DETAIL

Base Fluid used: _____ Job Type: _____

Company: _____

Procedure or Equipment detail:

Max TP: _____ Max Rate: _____ Total fluid pmpd: _____

Avg TP: _____ Avg Rate: _____ Total Prop pmpd: _____

ISIP: _____ 5 min: _____ 10 min: _____ FG: _____

Completion Supervisor: Gary Dietz

COSTS

NC #1 rig	
Weatherford BOP	
NPC trucking	
NDSI trucking	
NDSI wtr & truck	
Unichem chemicals	
Zubiate HO truck	
Aztec - new J55 tbg	
NPC sfc equipment	
R & T labor/welding	
Mt. West sanitation	
Monks pit reclaim	
NPC supervision	
DAILY COST:	$0
TOTAL WELL COST:	

NEWFIELD

ATTACHMENT G-1
7 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** Feb. 9, 2006 **Day:** 04

Operation: Completion **Rig:** NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 309' Prod Csg: 5-1/2" @ 5477' Csg PBTD: 5434'

Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Pkr/EOT @: 5383' BP/Sand PBTD: 5434'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4044-4066'	4/88	A3 sds	5064-5080'	4/64
GB6 sds	4094-4098'	4/16			
GB6 sds	4104-4110'	4/24			
PB10 sds	4300-4314'	4/56			
C sds	4742-4750'	4/32			
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Feb. 8, 2006 **SITP:** 50 **SICP:** 50

Thaw wellhead, BOP & tbg stump W/ HO truck. Bleed pressure off well. Rec est 5 BTF. TIH W/ bit & tbg f/ 3983' Tag fill @ 4067'. RU power swivel. C/O sd & drill out composite bridge plugs as follows (using conventiona circulation): sd @ 4067', plug @ 4220' in 30 minutes; sd @ 4380', plug @ 4440' in 40 minutes; sd @ 4800', plug @ 4900' in 27 minutes. Con't swivelling jts in hole. Tag fill @ 5339'. Drill plug remains & sd to PBTD @ 5434'. Circ hole clean. Lost est 80 BW during cleanout. RD swivel. Pull EOT to 5383'. RU swab equipment. IFL @ sfc. Made 11 swb runs rec 127 BTF W/ light gas, tr oil & light tr sd. FFL @ 1000'. FOC @ 2%. SIFN W/ est 1643 BWTR.

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered: 1695 Starting oil rec to date:

Fluid lost/recovered today: 52 Oil lost/recovered today:

Ending fluid to be recovered: 1643 Cum oil recovered:

IFL: sfc FFL: 1000' FTP: Choke: Final Fluid Rate: Final oil cut: 2%

STIMULATION DETAIL

Base Fluid used: Job Type:

Company:

Procedure or Equipment detail:

Max TP: Max Rate: Total fluid pmpd:

Avg TP: Avg Rate: Total Prop pmpd:

ISIP: 5 min: 10 min: FG:

Completion Supervisor: Gary Dietz

COSTS

NC #1 rig	
Weatherford BOP	
Zubiate HO truck	
Weatherford swivel	
NPC location cleanup	
NDSI wtr disposal	
CDI TA	
CDI SN	
NPC supervision	
DAILY COST:	$0
TOTAL WELL COST:	$0

NEWFIELD

ATTACHMENT G-1
8 of 8

DAILY COMPLETION REPORT

WELL NAME: Pan American 1FR-9-16 **Report Date:** Feb. 10, 2006 **Day:** 05

Operation: Completion **Rig:** NC #1

WELL STATUS

Surf Csg: 8-5/8' @ 309' Prod Csg: 5-1/2" @ 5477' Csg PBTD: 5434'

Tbg: Size: 2 7/8 Wt: 6.5# Grd: J-55 Anchor @: 5007' BP/Sand PBTD: 5434'

PERFORATION RECORD

Zone	Perfs	SPF/#shots	Zone	Perfs	SPF/#shots
GB6 sds	4044-4066'	4/88	A3 sds	5064-5080'	4/64
GB6 sds	4094-4098'	4/16			
GB6 sds	4104-4110'	4/24			
PB10 sds	4300-4314'	4/56			
C sds	4742-4750'	4/32			
A1 sds	5038-5046'	4/32			

CHRONOLOGICAL OPERATIONS

Date Work Performed: Feb. 9, 2006 **SITP:** 75 **SICP:** 50

Thaw wellhead, BOP & tbg stump W/ HO truck. Bleed gas off well. Con't swabbing well for cleanup. IFL @ 700'. Made 3 swb runs rec 32 BTF W light gas & no sd. FFL @ 1500'. FOC @ 2%. TIH W/ tbg. Tag sd @ 5420' (14' new fill). C/O sd to PBTD @ 5434'. Circ hole clean. Lost est 8(BW & rec 5 BO. LD excess tbg. TOH W/ tbg--LD bit. TIH W/ BHA & production tbg as follows: 2 7/8 NC, 2 jts tbg, SN, 3 jts tbg, new CDI 5 1/2" TA (45K) & 157 jts 2 7/8 8rd 6.5# J-55 tbg. ND BOP. Set TA @ 5007' W/ SN @ 5106' & EOT @ 5171'. Land tbg W/ 15,000# tenison. NU wellhead PU & TIH W/ pump and "A" grade rod string as follows: new CDI 2 1/2" X 1 1/2" X 14' RHAC pump, 6-1 1/2" weight rods, 10-3/4" scrapered rods, 88 3/4" plain rods, 99-3/4" scrapered rods, 1-8', 1-6', 1-4' & 1-2' X 3/4" pony rods and 1 1/2" X 22' polished rod. Seat pump & RU pumping unit. Fill tbg W/ 2 BW. Pressure test tbg & pump to 200 psi. Stroke pump up W/ unit to 800 psi. Good pump action. RDMOSU. Est 1693 BWTR.

Place well on production @ 6:00 PM 2/9/2006 W/ 86" SL @ 5 SPM.

FINAL REPORT!!

FLUID RECOVERY (BBLS)

Starting fluid load to be recovered:	1643	Starting oil rec to date:	0
Fluid lost/recovered today:	50	Oil lost/recovered today:	5
Ending fluid to be recovered:	1693	Cum oil recovered:	5

IFL: 700' FFL: 1500' FTP: Choke: Final Fluid Rate: Final oil cut: 2%

	TUBING DETAIL	ROD DETAIL	COSTS	
			NC #1 rig	
KB	12.00'	1 1/2" X 22' polished rod	Weatherford BOP	
157	2 7/8 J-55 tbg (4995.27')	1-8',1-6',1-4',1-2' X 3/4" ponies	D & M HO truck	
	TA (2.80' @ 5007.27' KB)	99-3/4" scrapered rods	NPC trucking	
3	2 7/8 J-55 tbg (96.02')	88-3/4" plain rods	CDI rod pump	
	SN (1.10' @ 5106.09' KB)	10-3/4" scrapered rods	"A" grade rod string	
2	2 7/8 J-55 tbg (62.92')	6-1 1/2" weight rods	NPC frac tks(5X5 dys)	
	2 7/8 NC (.45')	CDI 2 1/2" X 1 1/2" X 14'	NPC swb tk (3 days)	
EOT	5170.56' W/ 12' KB	RHAC pump W/ SM plunger	NPC frac head	
			NPC supervision	
			DAILY COST:	$0

Completion Supervisor: Gary Dietz **TOTAL WELL COST:** $0

ATTACHMENT H

WORK PROCEDURE FOR PLUGGING AND ABANDONMENT

1.		Set CIBP @ 3994'
2.	Plug #1	Set 100' plug on top of CIBP using 12 sx Class "G" cement
3.	Plug #2	175' balance plug using 21 sx Class "G" cement 50' above Trona-Bird's Nest extending 50' below base of Mahogany Oil Shale
4.	Plug #3	120' balance plug using 14sx Class "G" cement 60' above Uinta/Green River and extending 60' below
5.		Perforate 4 JSPF @ 359'
6.	Plug #4	Circulate 103 sx Class "G" cement down 5 ½" and up the 5 ½" x 8 5/8" annulus

The approximate cost to plug and abandon this well is $42,000.

Attachment H-1

Pan American #1FR-9-16

Spud Date: 1/5/06
Put on Production: 2/9/06
GL: 5529' KB: 5541'

Initial Production: BOPD, MCFD, BWPD

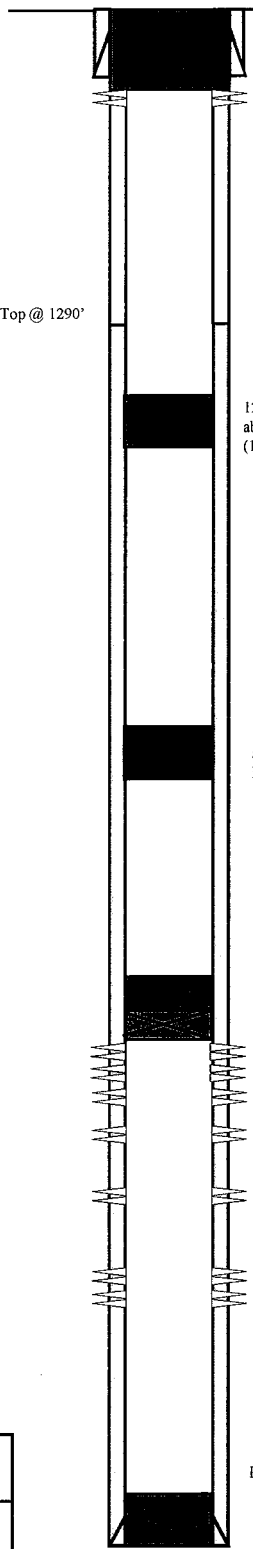
Proposed P & A
Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"
GRADE: J-55
WEIGHT:24#
DEPTH LANDED: 309'
HOLE SIZE: 12 1/4"
CEMENT DATA: 230 sxs cement.

PRODUCTION CASING

CSG SIZE: 5-1/2"
GRADE: J-55
WEIGHT: 15.5#
LENGTH: 132 jts. (5479.96')
DEPTH LANDED: 5477.96' KB
HOLE SIZE: 7-7/8"
CEMENT DATA: 300 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ.
CEMENT TOP AT: 1290'



NEWFIELD

Pan American #1FR-9-16

663' FNL & 663' FWL

NW/NW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-10822; Lease #UTU-75039

JL 3/6/2013

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-409

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 8, 9, 13, and 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17th Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Federal 8-8-9-16 well located in SE/4 NE/4, Section 8, Township 9 South, Range 16 East
API 43-013-33057
Federal 6-9-9-16 well located in SE/4 NW/4, Section 9, Township 9 South, Range 16 East
API 43-013-32957
Pan American #1FR-9-16 well located in NW/4 NW/4, Section 13, Township 9 South, Range 16 East
API 43-013-10822
Federal 4-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East
API 43-013-33469

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injection pressures and rates will be determined based on fracture gradient information submitted by Newfield Production Company.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days following publication of this notice. The Division's Presiding Officer for the proceeding is Brad Hill, Permitting Manager, at P.O. Box 145801, Salt Lake City, UT 84114-5801, phone number (801) 538-5340. If such a protest or notice of intervention is received, a hearing will be scheduled in accordance with the aforementioned administrative procedural rules. Protestants and/or interveners should be prepared to demonstrate at the hearing how this matter affects their interests.

Dated this 14th day of May, 2013.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING

Brad Hill
Permitting Manager

Newfield Production Company

FEDERAL 8-8-9-16, FEDERAL 6-9-9-16,
PAN AMERICAN #1FR-9-16, FEDERAL 4-29-9-16

Cause No. UIC-409

Publication Notices were sent to the following:

Newfield Production Company
1001 17th Street, Suite 2000
Denver, CO 80202

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066
via e-mail ubs@ubstandard.com

Salt Lake Tribune
P O Box 45838
Salt Lake City, UT 84145
via e-mail naclegal@mediaoneutah.com

Vernal Office
Bureau of Land Management
170 South 500 East
Vernal, UT 84078

Duchesne County Planning
P O Box 317
Duchesne, UT 84021-0317

Bruce Suchomel
US EPA Region 8
MS 8P-W-GW
1595 Wynkoop Street
Denver, CO 80202-1129

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052

Jean Sweet

GARY R. HERBERT
Governor
GREGORY S. BELL
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

May 14, 2013

Via e-mail: legals@ubstandard.com

Uintah Basin Standard
268 South 200 East
Roosevelt, UT 84066

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-409

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

Re: Notice of Agency Action – Newfield Production Company Cause No. UIC-409

Cindy Kleinfelter <classifieds@ubstandard.com> Thu, May 16, 2013 at 2:15 PM
To: Jean Sweet <jsweet@utah.gov>

On 5/14/2013 1:49 PM, Jean Sweet wrote:

> To whom it may concern:
>
> Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.
>
> Please send proof of publication and billing to:
>
> Division of Oil, Gas and Mining
>
> PO Box 145801
>
> Salt Lake City, UT 84114-5801
>
> Sincerely,
>
> --
> Jean Sweet
> Executive Secretary
> Utah Division of Oil, Gas and Mining
> 801-538-5329

It will be published May 21, 2013.
Thanks
Cindy

GARY R. HERBERT
Governor
GREGORY S. BELL
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

May 13, 2013

VIA E-MAIL naclegal@mediaoneutah.com

Salt Lake Tribune
P. O. Box 45838
Salt Lake City, UT 84145

Subject: Notice of Agency Action – Newfield Production Company Cause No. UIC-409

To whom it may concern:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please notify me via e-mail of the date it will be published. My e-mail address is: jsweet@utah.gov.

Please send proof of publication and billing for **account #9001402352** to:

Division of Oil, Gas and Mining
PO Box 145801
Salt Lake City, UT 84114-5801

Sincerely,

Jean Sweet
Executive Secretary

Enclosure

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114 -5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR
OIL, GAS & MINING

Proof for Notice

Stowe, Ken <naclegal@mediaoneutah.com> Wed, May 15, 2013 at 12:35 PM
Reply-To: "Stowe, Ken" <naclegal@mediaoneutah.com>
To: JSWEET@utah.gov

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West Valley City, UT 84170

Order Confirmation for Ad #0000879997-01

Client	DIV OF OIL-GAS & MINING	**Payor Customer**	DIV OF OIL-GAS & MINING
Client Phone	801-538-5340	**Payor Phone**	801-538-5340
Account#	9001402352	**Payor Account**	9001402352
Address	1594 W NORTH TEMP #1210,P.O. BOX 145801 SALT LAKE CITY, UT 84114 USA	**Payor Address**	1594 W NORTH TEMP #1210,P.O. BO) SALT LAKE CITY, UT 84114
		Ordered By	**Acct. Exec**
Fax	801-359-3940		
EMail	juliecarter@utah.gov	Jean	kstowe

Total Amount	**$220.04**
Payment Amt	**$0.00**
Amount Due	**$220.04**

Tear Sheets	Proofs	Affidavits
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Payment Method

PO Number Cause No UIC-409

Confirmation Notes:

Text: Jean

Ad Type	Ad Size	Color
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Product	**Placement**	**Position**
Salt Lake Tribune::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	5/17/2013	
Product	**Placement**	**Position**
Deseret News::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	5/17/2013	
Product	**Placement**	**Position**
sltrib.com::	Legal Liner Notice - 0998	Public Meeting/Hear-ing Notices
Scheduled Date(s):	5/17/2013	
Product	**Placement**	**Position**
utahlegals.com::	utahlegals.com	utahlegals.com
Scheduled Date(s):	5/17/2013	

Ad Content Proof Actual Size

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-409

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 8, 9, 13, and 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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

Notice is hereby giver that the Divisior of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Newfield Production Company, 1001 17ff Street, Suite 2000, Denver, Colorado 80202, telephone 303-893-0102, for administrative approval of the following wells located in Duchesne County, Utah, for conversion to Class II injection wells:

Greater Monument Butte Unit:
Federal 8-8-9-16 well located in SE/4 NE/4, Section 8, Township 9 South, Range 16 East
API 43-013-33057
Federal 6-9-9-16 well located in SE/4 NW/4, Section 9, Township 9 South, Range 16 East
API 43-013-32957
Par American #1FR-9-16 well located in NW/4 NW/4, Section 13, Township 9 South, Range 16 East
API 43-013-10822
Federal 4-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East
API 43-013-33469

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

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Dated this 14th day of May, 2013.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
879997 UPAXLP

4770 S. 5600 W.
P.O. BOX 704005
WEST VALLEY CITY, UTAH 84170
FED.TAX I.D.# 87-0217663
801-204-6910

The Salt Lake Tribune MEDIAOne Deseret News

PROOF OF PUBLICATION

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ACCOUNT NAME	
DIV OF OIL-GAS & MINING,	
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8015385340	0000879997 /
SCHEDULE	
Start 05/17/2013	End 05/17/2013
CUST. REF. NO.	
Cause No UIC-409	
CAPTION	
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL R	
SIZE	
64 Lines	2.00 COLUMN
TIMES	RATE
4	
MISC. CHARGES	AD CHARGES
	TOTAL COST
	220.04

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
NOTICE OF AGENCY ACTION
CAUSE NO. UIC-409

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Dated this 14th day of May, 2013.
STATE OF UTAH
DIVISION OF OIL, GAS & MINING
/s/
Brad Hill
Permitting Manager
879997 UPAXLP

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH LEGAL BOOKER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF **BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH NOTICE OF AGENCY ACTION CAUSE NO. UIC-409 IN THE MATTER OF THE APPLICA** FOR **DIV OF OIL-GAS & MINING,** WAS PUBLISHED BY THE NEWSPAPER AGENCY COMPANY, LLC dba MEDIAONE OF UTAH, 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 NOTICE IS ALSO POSTED ON UTAHLEGALS COM ON THE SAME DAY AS THE FIRST NEWSPAPER PUBLICATION DATE AND REMAINS ON UTAHLEGALS COM INDEFINATELY

PUBLISHED ON Start 05/17/2013 End 05/17/2013

SIGNATURE

5/17/2013

VIRGINIA CRAFT
Notary Public, State of Utah
Commission # 581469
My Commission Expires
January 17, 2014

Virginia Craft

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT

AFFIDAVIT OF PUBLICATION

County of Duchesne,
STATE OF UTAH

I, Kevin Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue such newspaper for 1 consecutive issues, and that the first publication was on the 21 day of May, 2013, and that the last publication of such notice was in the issue of such newspaper dated the 21 day of May, 2013, and that said notice was published on Utahlegals.com on the same day as the first newspaper publication and the notice remained on Utahlegals.com until the end of the scheduled run.

Publisher

Subscribed and sworn to before me on this

22 day of May, 2013

by Kevin Ashby.

Notary Public

Notary Public
BONNIE PARRISH
Commission #650427
My Commission Expires
February 28, 2016
State of Utah

NOTICE OF AGENCY ACTION CAUSE NO. UIC-409

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

IN THE MATTER OF THE APPLICATION OF NEWFIELD PRODUCTION COMPANY FOR ADMINISTRATIVE APPROVAL OF CERTAIN WELLS LOCATED IN SECTIONS 8, 9, 13, and 29, TOWNSHIP 9 SOUTH, RANGE 16 EAST, DUCHESNE COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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API 43-013-32957

Pan American #1FR-9-16 well located in NW/4 NW/4, Section 13, Township 9 South, Range 16 East
API 43-013-10822

Federal 4-29-9-16 well located in NE/4 NW/4, Section 29, Township 9 South, Range 16 East
API 43-013-33469

The proceeding will be conducted in accordance with Utah Admin. R649-10, Administrative Procedures.

Selected zones in the Green River Formation will be used for water injection. The maximum requested injec-

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM
PERMIT
STATEMENT OF BASIS

Applicant: Newfield Production Company **Well:** Pan American #1FR-9-16

Location: 13/9S/16E **API:** 43-013-10822

Ownership Issues: The proposed well is located on BLM land. The well is located in the Greater Monument Butte Unit. Lands in the one-half mile radius of the well are administered by the BLM. The Federal Government is the mineral owner within the area of review (AOR). Newfield and other various individuals hold the leases in the unit. Newfield has provided a list of all surface, mineral and lease holders in the half-mile radius. Newfield is the operator of the Greater Monument Butte Unit. Newfield has submitted an affidavit stating that all owners and interest owners have been notified of their intent.

Well Integrity: The proposed well has surface casing set at 309 feet and has a cement top at the surface. A 5½ inch production casing is set at 5,478 feet. The cement bond log is somewhat problematic but appears to demonstrate adequate bond in this well up to about 3,540 feet or higher. A 2 7/8 inch tubing with a packer is proposed at 3,994 feet, but it will need to be moved downward to comply with the approved injection interval. A mechanical integrity test will be run on the well prior to injection. (Update 2/26/2014: A hole in the casing was found between 1882-1892 feet depth. The problem was resolved by using a concentric string packer system. This system has two strings of tubing, one (1.9") inside the other (2 7/8"). It also has two packers set below the hole in casing so that the 2 7/8" X 1.9" tubing annulus can continuously test below the hole to confirm there is no communication between the injection zones and the hole in casing. Injection is into the 1.9" tubing.) Based on surface locations (revised to 11/19/2013), there are 10 producing wells, 7 injection wells, 2 P/A wells, 2 shut-in wells, 1 temporarily abandoned well, and 1 groundwater monitoring well in the AOR. Two of the producing wells are directionally drilled, with surface locations inside the AOR and bottom hole locations outside the AOR. In addition, there are 2 directionally drilled producing wells with surface locations outside the AOR and bottom hole locations inside the AOR. Finally, there are 2 permitted surface locations outside the AOR for wells to be directionally drilled to bottom hole locations inside the AOR and 1 surface location outside the AOR from a directional well will be drilled to a bottom hole location inside the AOR. Most of the existing wells have evidence of adequate casing and cement for the proposed injection interval. However, the Federal 21-13Y-9-16 well (API# 43-013-31400), located approximately 0.2 mile east of the Pan American #1FR well, appears to have a questionable cement top for the proposed injection interval. Its CBL (8/26/1993) indicates a good cement top at about 4,565 feet. Newfield ran a new CBL (8/30/2012) for the Federal 21-13Y well. This new CBL indicates a light cement top up to about 1,100 feet. Because of the questionable quality of this light cement, it is stipulated that Newfield must regularly monitor the pressure between the surface casing and production casing in the Federal 21-13Y well. Also

problematic is the active injection well Monument Federal 41-14J (43-013-31408), located in the AOR approximately 0.25 mile west-northwest of Pan American #FR well. The CBL (12/19/1993) for the Monument Federal 41-14J well indicates a good cement top at about 4,180 feet, with likelihood of light cement above that. Because of the questionable quality of the light cement, Newfield will also be required to regularly monitor the pressure between the surface

casing and production casing in the Monument Federal 41-14J well. The C&O Govt #1 well (API# 43-013-15111) is located in the AOR approximately 0.5 mile north of the #1FR well. The C&O Govt #1 well's original CBL (11/28/1964) shows a top of good cement at approximately 4,886 feet. In anticipation of cement remediation, Newfield ran a new CBL (6/18/2013). This log suggests that some remediation has been done since the 1964 log. The CBL indicates acceptable light cement up to about 4,100 feet and an interval of light cement between about 2,682 and 2,814 feet. DOGM accepts 2,682 feet as the top of acceptable cement in the well.

The following discussion pertains to all UIC applications for wells located within a 0.5 mile radius of the Jonah Unit 8-14-9-16 well (API# 43-013-32054). That well is located approximately 0.4 mile southwest of the Pan American #1FR well, the proposed injection well in the current application. In the process of drilling the directional well, Jonah Federal LA-14-9-16 (API# 43-013-34164) from the existing pad occupied by Jonah Unit 8-14, on 12/25/2008 Newfield accidentally intersected the existing vertical wellbore Jonah Unit 8-14 at a depth of 1,092 feet. An application for conversion of the Jonah Unit 8-14 to a UIC injection (UIC-255.1) well had been previously submitted by Inland Production Company 4/19/2000. A conversion permit was issued 6/15/2000 by DOGM, but an MIT was never done, and an injection permit was never issued. Subsequent to the well collision, which destroyed the wellbore integrity of the Jonah 8-14 well, DOGM denied further consideration of the well as a UIC injection well (memo 11/8/2010). Jonah 8-14 is currently in a temporarily abandoned status. Newfield and DOGM agreed on a plan for monitoring the situation created by the well collision. A monitor well would be drilled and perforated at depths which straddle the depth of the well collision. Casing and tubing pressure gauges would be placed on both the damaged well (Jonah 8-14) and the monitor well. Any changes in pressure or fluid level will be reported immediately to DOGM. In addition, water samples will be taken from each well annually. The monitor well, GMBU 8-14T-9-16 (API# 43-013-50880) was completed 10/10/2012, located approximately 90 feet south-southeast of Jonah 8-14.

Ground Water Protection: As interpreted from the Utah Geological Survey's DOE Project-Uinta Basin Water Draft Map (Paul B. Anderson, December 2, 2011), the base of moderately saline water (3000-10,000 mg/l TDS) is at a depth of approximately 1800 feet. Injection shall be limited to the interval between 3,874 feet and 5,434 feet in the Green River Formation. Information submitted by Newfield indicates that the fracture gradient for the #1FR-9-16 well is 0.88 psi/ft., which was the lowest reported fracture gradient for the injection zone. The resulting minimum fracture pressure for the proposed injection interval is 1,794 psig. The requested maximum pressure is 1,794 psig. The anticipated average injection pressure is 1100 psig. Injection at this pressure should not initiate any new fractures or propagate existing fractures in

the adjacent confining intervals. Any ground water present should be adequately protected. Additionally, it will be required to monitor pressure, fluid levels, and water quality in the intersected well, Jonah Unit 8-14, and the monitor well, GMBU 8-14T-9-16, as described in the **Well Integrity** section above.

Oil/Gas& Other Mineral Resources Protection: The Board of Oil, Gas & Mining approved the Greater Monument Butte Unit on December 1, 2009. Correlative rights issues were addressed at this time. Previous reviews in this area indicate that other mineral resources in the area have been protected or are not at issue.

Bonding: Bonded with the BLM

Actions Taken and Further Approvals Needed: A notice of agency action has been sent to the Salt Lake Tribune and the Uinta Basin Standard. A casing/tubing pressure test will be required prior to injection. It is recommended that approval of this application be granted.

Note: Applicable technical publications concerning water resources in the general vicinity of this project have been reviewed and taken into consideration during the permit review process.

Reviewer(s): Mark Reinbold Date: 6/28/13 (rev. 7/19/13, 11/20/13, 2/26/13)

GARY R. HERBERT
Governor
GREGORY S. BELL
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

July 25, 2013

Newfield Production Company
1001 Seventeenth Street, Suite 2000
Denver, CO 80202

Subject: Greater Monument Butte Unit Well: Pan American #1FR-9-16, Section 13, Township 9 South, Range 16 East, SLBM, Duchesne County, Utah, API Well # 43-013-10822

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.

2. Conformance with all conditions and requirements of the complete application submitted by Newfield Production Company.

3. A casing\tubing pressure test shall be conducted prior to commencing injection.

4. Pressure shall be monitored between the surface casing and the production casing on a regular basis. Any pressure changes observed shall be reported to the Division immediately.

5. Water levels, as well as casing and tubing pressures, in both the monitor well, GMBU 8-14T-9-16 (43-013-50880) and the damaged well, Jonah Unit 8-14-9-16 (43-013-32054) shall be checked and recorded on a regular basis. Also, water samples from both wells will be collected and analyzed annually. Any observed changes shall be reported to the Division immediately.

6. Because the cement tops are problematic in the Federal 21-13Y well (43-013-31400) and the Monument Federal 41-14J well (41-013-31408), pressure between the surface casing and the production casing in these wells shall be monitored on a regular basis. Any observed pressure changes shall be reported to the Division immediately.

7. The top of the injection interval shall be limited to a depth no higher than 3,874 feet in the Pan American #1FR-9-16 well.

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

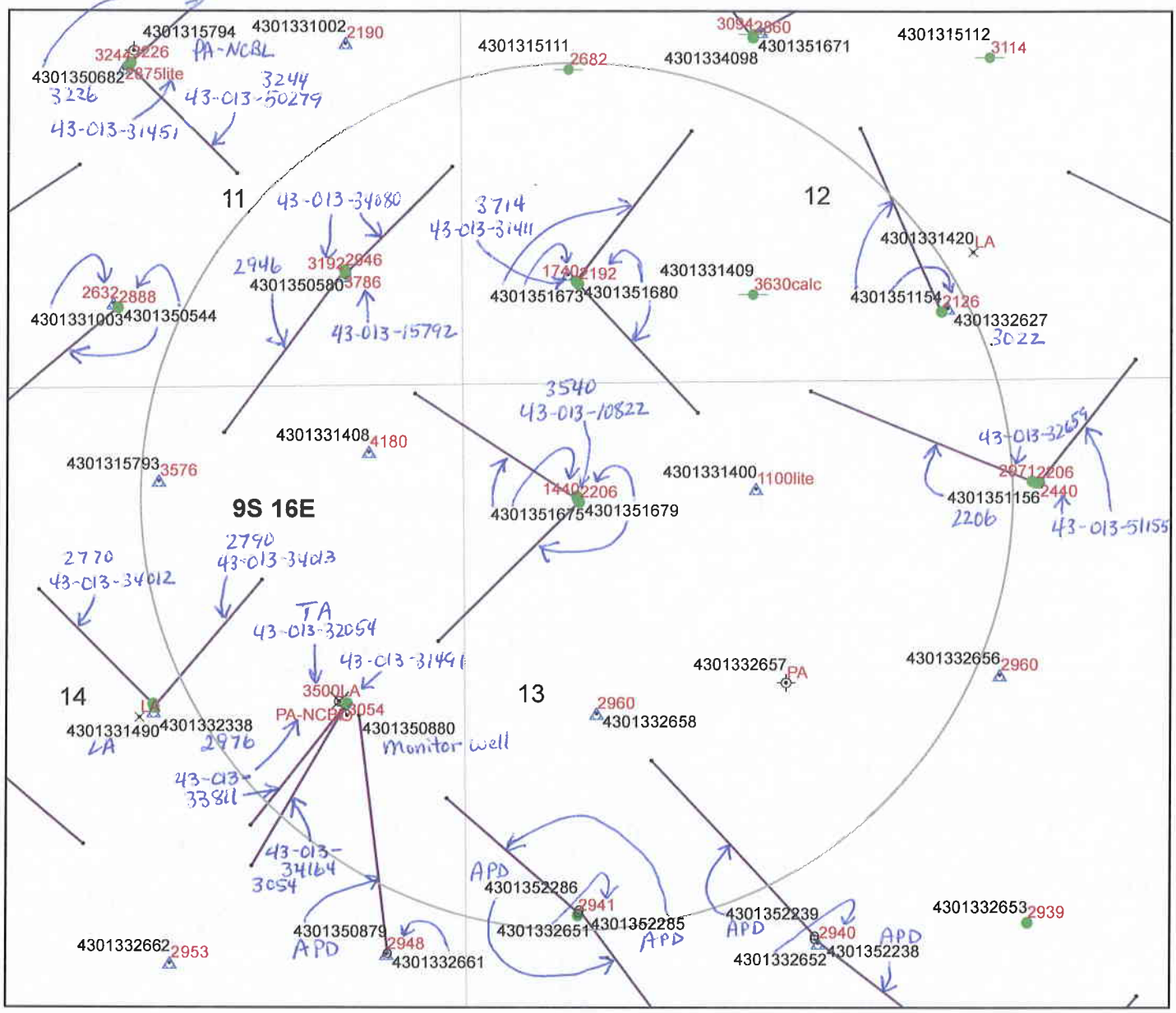
UTAH DNR OIL, GAS & MINING

A final approval to commence injection will be issued upon satisfactory completion of the listed stipulations. If you have any questions regarding this approval or the necessary requirements, please contact Mark Reinbold at 801-538-5333 or Brad Hill at 801-538-5315.

Sincerely,

John Rogers
Associate Director

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Duchesne County
Newfield Production Company, Myton
Well File
N:\O&G Reviewed Docs\ChronFile\UIC



Legend

Oil & Gas Well Type

- APD-Approved Permit
- DRL-Spudded (Drilling Commenced)
- GIW-Gas Injection Well
- GSW-Gas Storage Well
- LA-Location Abandoned
- LOC-New Location Well
- OPS-Drilling Operations Suspended
- PA-Pugged & Abandoned
- PGW-Producing Gas Well
- POW-Producing Oil Well
- RET-Returned APD
- SGW-Shut-in Gas Well
- SOW-Shut-in Oil Well
- TA-Temp Abandoned
- TW-Test Well
- WDW-Water Disposal Well
- WIW-WaterInjection Well
- WSW-Water Supply Well

Cement Bond Tops
Pan American #1FR-9-16
API #43-013-10822
UIC-409.3

(revised to 11/19/2013)

0 0.05 0.1 0.2 0.3 0.4 Miles

1870 calc = approxate cement top
calculated from well completion report

N

4585 Depth to top of suitable cement bond

- Well Bottom Hole Location
- Oil & Gas Wells Hole Directional Path
  Wells-CbltopsMaster 1-31-13
- DNR Oil Gas Wells Buffer
- County Boundaries
- PLSS Sections
- PLSS Townships

Mark Reinbold <markreinbold@utah.gov>

Fwd: Concentric String Tool for Hole in Casing

3 messages

Dustin Doucet <dustindoucet@utah.gov> Thu, Oct 31, 2013 at 8:46 AM
To: Mark Reinbold <markreinbold@utah.gov>

---------- Forwarded message ----------
From: **Mickey Moulton** <mmoulton@newfield.com>
Date: Wed, Oct 30, 2013 at 10:03 AM
Subject: Concentric String Tool for Hole in Casing
To: "dustindoucet@utah.gov" <dustindoucet@utah.gov>

Dustin,

I'm working the conversion of the Pan American 1FR 9-16 (43013-10-822) and we have a hole in casing between 1882' and 1892'. I'd like to run a concentric string tool that will enable us to isolate, test casing integrity through an annulus from surface, and inject below a standard injection packer. When looking at the drawing attached, it helps to visualize the inner (1.9") string moved over to the right on the page so that the sealing chevrons are immediately below the perforated sub. That way, with the upper packer below the hole in casing, we can test and even hold pressure on the casing below the hole to confirm no leaks / losses between the injection packer and hole isolation packer. This is the same setup we ran on the Mon 22-12J-9-16 (43013-15-796) with success. We think it's a great tool, and has proven successful in the past.

If you would like to discuss the well, please give me a call.

Thank you,

Mickey Moulton
Production Engineer
Office: 303-382-4487

Mobile: 303-330-7165

NEWFIELD

--
Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
801.538.5281 (ofc)
801.359.3940 (fax)

web: www.ogm.utah.gov

Concentric Injection System.pdf
237K

Dustin Doucet <dustindoucet@utah.gov> Thu, Oct 31, 2013 at 8:51 AM
To: Mickey Moulton <mmoulton@newfield.com>, Bradley Hill <bradhill@utah.gov>, Mark Reinbold <markreinbold@utah.gov>

Mickey,

O.K. with the proposal, but please submit request via sundry notice so we have it in the record. Thanks.

Dustin
[Quoted text hidden]

Dustin Doucet <dustindoucet@utah.gov> Wed, Nov 6, 2013 at 3:36 PM
To: Mark Reinbold <markreinbold@utah.gov>

---------- Forwarded message ----------
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Date: Wed, Oct 30, 2013 at 10:03 AM
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To: "dustindoucet@utah.gov" <dustindoucet@utah.gov>

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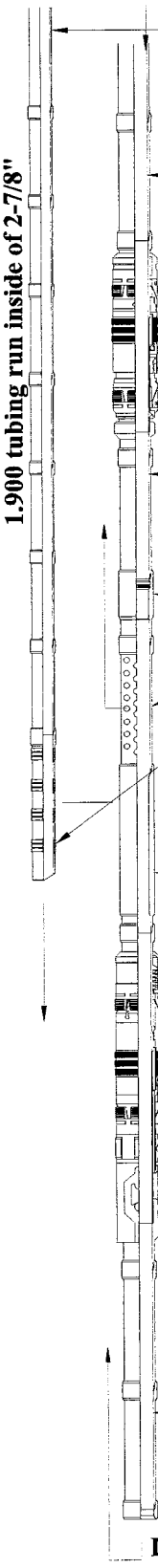
Concentric Injection System.pdf
237K

Weatherford
Completion & Production Systems

Newfield Exploration Co.
Uintah Basin Concentric Injection System
Prepared For: Mr. Paul Weddle
Prepared By: Scott Williamson
Date Prepared: 10-15-10
Note: All elastomers suitable for HCl/Chlorine dioxide exposure
Note: Minimum ID = 1.500" for passage of 1-3/8" OD RAT

Upper zone injection down 2-7/8" x 1.900" annulus



1.900" OD tubing with 1.610" ID
If IJ 10rd, connection OD = 2.110", annular area in 2-7/8" = 1.183 in^2
If flush joint, annular area in 2-7/8" = 1.844 in^2

2-7/8" tubing

HRP Big Bore hydraulic set, straight pull shear release retrievable casing packer with 2-7/8" EU 8rd box x pin to fit 5-1/2" 15.5-17# casing. FKM (Viton) packing elements and Viton Orings

2-7/8" tubing

WX landing nipple, size 2-7/8" with 2-7/8" EU 8rd box x pin
2.313" minimum ID packing bore
Note: Used to land slickline plug to set HRP packer

Perforated 2-7/8" pup joint 6 ft long

5 ft long locator seal assy to fit 2.188" ID PBR.
1.900" NU 10rd or flush joint box up with 2.110" OD locator
1.500" minimum ID
Seal stack material Ryton/Viton/Teflon

PBR, 5 ft long with 2.188" polished bore,
with 2-7/8" EU 8rd box x pin

Arrowset 1-X big bore casing packer with 2-7/8" EU 8rd box x pin to fit 5-1/2" 15.5-17# casing
Viton packing elements, bypass seal, and Orings

2-7/8" tubing

Wireline entry guide, size 2-7/8"

Lower zone injection thru 1.900" tubing

GARY R. HERBERT
Governor
SPENCER J. COX
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

UNDERGROUND INJECTION CONTROL PERMIT
Cause No. UIC-409

Operator: Newfield Production Company
Well: Pan American #1FR-9-16
Location: Section 13, Township 9 South, Range 16 East
County: Duchesne
API No.: 43-013-10822
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on July 25 2013.
2. Maximum Allowable Injection Pressure: 1,794 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: Green River Formation (3,874' – 5,434')
5. Water levels, as well as casing and tubing pressures, in both the monitor well, GMBU 8-14T-9-16 (43-013-50880) and the damaged well, Jonah Unit 8-14-9-16 (43-013-32054) shall be checked and recorded on a regular basis. Also, water samples from both wells will be collected and analyzed annually. Any observed changes shall be reported to the Division immediately.
6. Because the cement tops are problematic in the Federal 21-13Y well (43-013-31400) and the Monument Federal 41-14J well (41-013-31408), pressure between the surface casing and the production casing in these wells shall be monitored on a regular basis. Any observed pressure changes shall be reported to the Division immediately.
7. Any subsequent wells drilled within a ½ mile radius of this well shall have production casing cement brought up to or above the top of the unitized interval for the Greater Monument Butte Unit.

Approved by: _____ 2/10/14
John Rogers
Associate Director
Date

JR/MLR/js
cc: Bruce Suchomel, Environmental Protection Agency
Bureau of Land Management, Vernal
Jill Loyle, Newfield Production Company, Denver
Newfield Production Company, Myton
Duchesne County
Well File
N:\O&G Reviewed Docs\ChronFile\UIC

Pan American 1FR-9-16

Spud Date: 1/5/06

Put on Production: 2/9/06

GL: 5529' KB: 5541'

Injection Wellbore Diagram

SURFACE CASING

CSG SIZE: 8-5/8"

GRADE: J-55

WEIGHT:24#

DEPTH LANDED: 309'

HOLE SIZE: 15"

CEMENT DATA: 230 sxs cement.

PRODUCTION CASING

CSG SIZE: 5-1/2"

GRADE: J-55

WEIGHT: 15.5#

LENGTH: 132 jts. (5479.96')

DEPTH LANDED: 5477.96' KB

HOLE SIZE: 7-7/8"

CEMENT DATA: 300 sxs Prem. Lite II mixed & 500 sxs 50/50 POZ.

CEMENT TOP AT: 1290'

TUBING

SIZE/GRADE/WT.: 2-7/8" / J-55 / 6.5#

TBG HANGER 2-7/8" (0.9)

NO. OF JOINTS: 60 jts (1910.6')

HRP PACKER 5-1/2 x 2-7/8 CE @ 1926'

NO. OF JOINTS: 5 jt (162.7)

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 2092.4' KB

PERFORATED PUP 2-7/8" J-55 AT: 2093.5'

PBR SUB 2-7/8" AT: 2099.7'

NO. OF JOINTS: 59 jts (1845.2')

SEATING NIPPLE: 2-7/8" (1.10')

SN LANDED AT: 3949.7' KB

ARROW #1 PACKER CE AT: 3954'

RE ENTRY GUIDE AT: 3957.7'

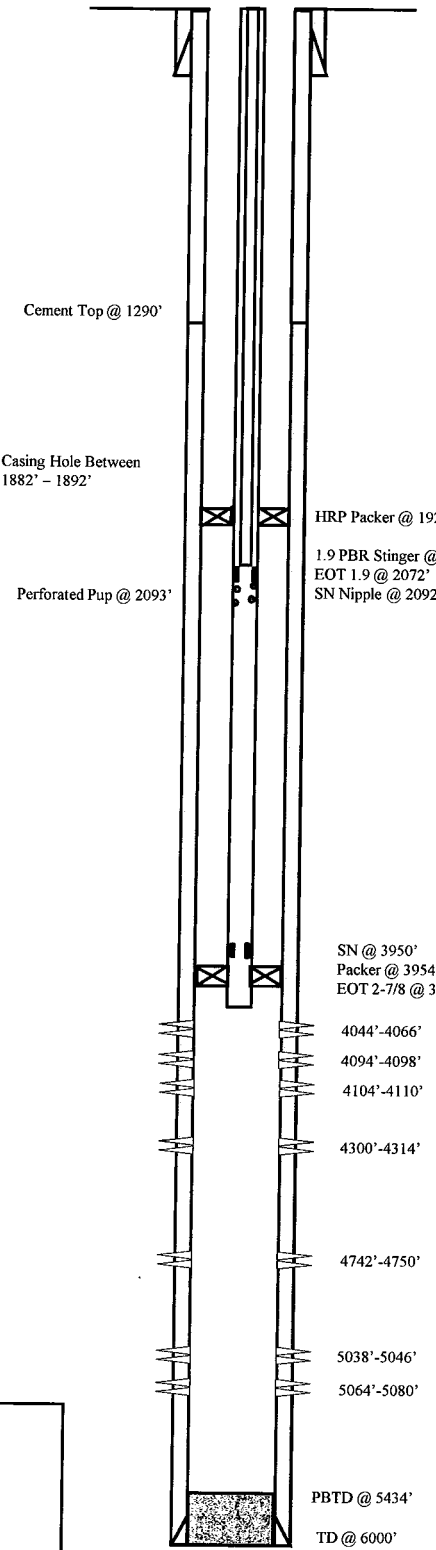
TOTAL STRING LENGTH: EOT @ 3958.19'

INNER STRING

Tbg Hanger & XO 1.9" tbg

NO. OF JOINTS: 62 jt (2056')

PBR STINGER AT: 2067'



FRAC JOB

2/6/06	5038'-5080'	**Frac A1&3 sands as follows:** 70,448# 20/40 sand in 562 bbls Lightning 17 frac fluid. Treated @ avg press of 1933 psi w/avg rate of 24.9 BPM. ISIP 2050 psi. Calc flush: 5036 gal. Actual flush: 5040 gal.
2/6/06	4742'-4750'	**Frac C sands as follows:** 34,710# 20/40 sand in 390 bbls Lightning 17 frac fluid. Treated @ avg press of 1978 psi w/avg rate of 24.8 BPM. ISIP 1980 psi. Calc flush: 4740 gal. Actual flush: 4746 gal.
2/6/06	4300'-4314'	**Frac PB10 sands as follows:** 35,142# 20/40 sand in 348 bbls Lightning 17 frac fluid. Treated @ avg press of 1820 psi w/avg rate of 24.8 BPM. ISIP 2060 psi. Calc flush: 4298 gal. Actual flush: 4326 gal.
2/6/06	4044'-4110'	**Frac GB6 sands as follows:** 67,736# 20/40 sand in 511 bbls Lightning 17 frac fluid. Treated @ avg press of 1805 w/ avg rate of 24.9 BPM. ISIP 1820 psi. Calc flush: 4042 gal. Actual flush: 3906 gal.
12/13/06		**Pump Change:** Rod & Tubing detail updated.
10/28/13	**Anguard**	Rigged up Halliburton, Mixed 50 BBLS of PKR Fluid pumped down CSG, Flushed Pump Lines, Mixed **30 BBLS of Anguard,** Pumped Down CSG Displaced W/ 14.56 BBLS Placed Over Hole from 1882'-1892'
11/15/13		**Conversion MIT Finalized** – update tbg detail

PERFORATION RECORD

2/1/06	5064'-5080'	4 JSPF	64 holes
2/1/06	5038'-5046'	4 JSPF	32 holes
2/6/06	4742'-4750'	4 JSPF	32 holes
2/6/06	4300'-4314'	4 JSPF	56 holes
2/6/06	4104'-4110'	4 JSPF	24 holes
2/6/06	4094'-4098'	4 JSPF	16 holes
2/6/06	4044'-4066'	4 JSPF	88 holes

NEWFIELD

Pan American 1FR-9-16

663' FNL & 663' FWL

NW/NW Section 13-T9S-R16E

Duchesne Co, Utah

API #43-013-10822; Lease #UTU-75039

revised 2/26/2014

LCN 11/21/13

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER:
UTU-75039

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:
GMBU (GRRV)

1. TYPE OF WELL
Water Injection Well

8. WELL NAME and NUMBER:
PAN AMERICAN #1FR-9-16

2. NAME OF OPERATOR:
NEWFIELD PRODUCTION COMPANY

9. API NUMBER:
43013108220000

3. ADDRESS OF OPERATOR:
4 WATERWAY SQUARE PL STE 100 , THE WOODLANDS, TX, 77380

PHONE NUMBER:
435-646-4802

9. FIELD and POOL or WILDCAT:
MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE:
663 FNL 663 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
Qtr/Qtr: NWNW Section: 13 Township: 9S Range: 16E Meridian: S

COUNTY:
DUCHESNE

STATE:
UTAH

11.
CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ SUBSEQUENT REPORT Date of Work Completion: 10/18/2018	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: 5 YR MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 10/16/2018 Mark Reinbold with the State of Utah DOGM was contacted concerning the 5 Year MIT on the above listed well. On 10/18/2018 the casing was pressured up to 1025 psig and charted for 25 minutes with no pressure loss. The well was injecting during the test. The tubing pressure was 1727 psig during the test. There was a State representative available to witness the test - Mark Reinbold.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
December 12, 2018

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Lucy Chavez-Naupoto	435 646-4874	Field Production Assistant
SIGNATURE		**DATE**
N/A		10/24/2018

RECEIVED: Oct. 24, 2018

Mechanical Integrity Test

Casing or Annulus Pressure Mechanical Integrity Test

Newfield Production Company
Rt 3 Box 3630
Myton, UT 84052
435.646.3721

UDOGM Witness: MARK Reinhold Date: 10-18-18 Time: 11:50 (am) pm

Test Conducted By: EVERETT UNRUH

Others Present:

Well Name:	PAN AMERICAN 1FR-13-9-16						
Field:	Monument Butte			County:	Duchesne	State:	UT
Location:	NW NW Sec:	13	T 9	N/(S)	R 16	(E)/ W	
Operator:	Newfield			API #	43-013-10822		
Last MIT:	11 / 15 / 2013			Maximum Allowable Pressure:	1794	psig	

Is this a regulary scheduled test? {X} Yes { } No
Initial Test for Permit? { } Yes {X} No
Test after well rework? { } Yes {X} No
Well injection during test? {X} Yes { } No If Yes, rate: 201 bpd

Pre-test casing / tubing annulus pressure: 0 / 1727 psig

MIT DATA TABLE	Test #1		Test #2	
TUBING	PRESSURE			
Initial Pressure	1727 psig			psig
End of test pressure	1727 psig			psig
CASING / TUBING	ANNULUS		PRESSURE	
0 minutes	1030 psig			psig
5 minutes	1030 psig			psig
10 minutes	1030 psig			psig
15 minutes	1035 psig			psig
20 minutes	1025 psig			psig
25 minutes	1025 psig			psig
30 minutes	psig			psig
____ minutes	psig			psig
____ minutes	psig			psig
RESULT	{X} Pass	{ } Fail	{ } Pass	{ } Fail

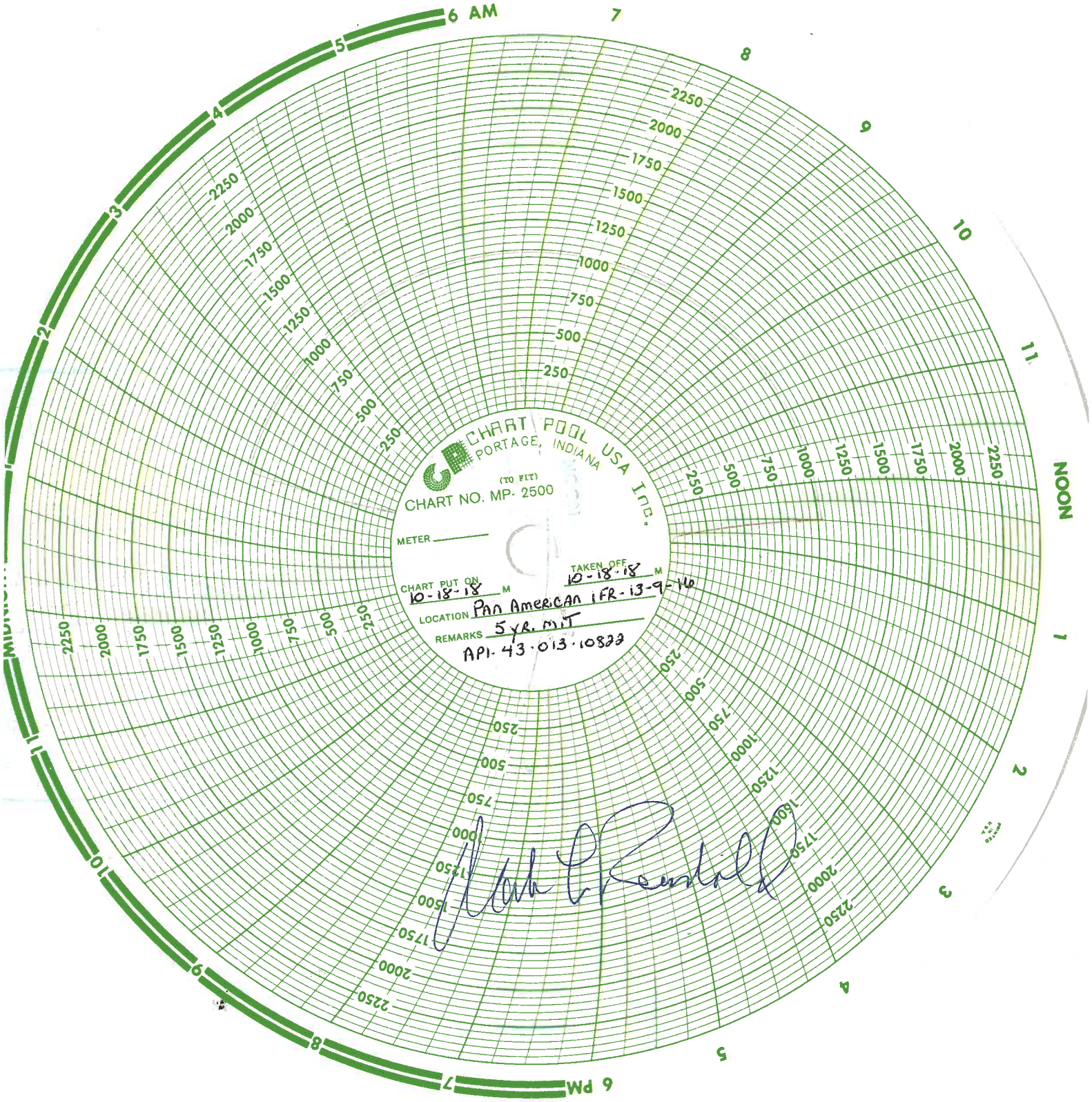
Does the annulus pressure build back up after test? { } Yes {X} No

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: Mark Reinhold

Signature of Person Conducting Test: Everett Unruh

Sundry Number: 91436 API Well Number: 43013108220000



Division of Oil, Gas and Mining
Operator Change/Name Change Worksheet-for State use only

Effective Date: 1/24/2020

FORMER OPERATOR:	NEW OPERATOR:
Newfield Production Company	Ovintiv Production, Inc.
Groups: Greater Monument Butte	

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4704

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 3/16/2020
2. Sundry or legal documentation was received from the **NEW** operator on: 3/16/2020
3. New operator Division of Corporations Business Number: 755627-0143

REVIEW:

Receipt of Acceptance of Drilling Procedures for APD on: 9/2/2020
Reports current for Production/Disposition & Sundries: 1/14/2021
OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 12/21/2020
UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 3/25/2020
Surface Facility(s) included in operator change:
State 11-32 Pipeline
Monument Butte St 10-36
GB Fed 13-20-8-17
Canvasback Fed 1-22-8-17
Ashley Fed 8-14-9-15 Pipeline
West Lateral 4C Slug Catcher (2-5-3-3)
West Lateral Phase 5 Slug Catcher
Bar F Slug Catcher
Dart Slug Catcher
Mullins Slug Catcher
Temporary Produced Water Conditioning Site
Dart Temporary Produced Water Facility
Earl Temporary Water Treatment Facility

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s):
B001834.A
107238142-Shut-In Bond

DATA ENTRY:

Well(s) update in the RBDMS on: 1/14/2021
Group(s) update in RDBMS on: 1/14/2021
Surface Facilities update in RBDMS on: 1/14/2021
Entities Updated in RBDMS on:

COMMENTS:

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 ☐ GAS WELL ☐ OTHER	5. LEASE DESIGNATION AND SERIAL NUMBER: see attached list
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
	7. UNIT or CA AGREEMENT NAME:
	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: Newfield Production Company	9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 4 Waterway Square Place Su CITY The Woodlands STATE TX ZIP 77380 PHONE NUMBER: (435) 646-4936	10. FIELD AND POOL, OR WILDCAT: attached
4. LOCATION OF WELL FOOTAGES AT SURFACE:	COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is serve as notification of the formal corporate name change of Newfield Production Company to Ovintiv Production Inc. Attached is a list of all wells wells that will be operated under Ovintiv Production Inc effective January 24, 2020.

PREVIOUS NAME:
Newfield Producion Company
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(435)646-4825

NEW NAME:
Ovintiv Production Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(435)646-4825

NAME (PLEASE PRINT) Shon McKinnon TITLE Regulatory Manager, Rockies

SIGNATURE Shon McKinnon DATE 3/16/2020

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

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

FORM 9

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	7. UNIT or CA AGREEMENT NAME:
	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: Newfield Production Company	9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 4 Waterway Square Place Su CITY The Woodlands STATE TX ZIP 77380 PHONE NUMBER: (435) 646-4936	10. FIELD AND POOL, OR WILDCAT: attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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☑ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
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	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER: _____
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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The Woodlands, TX 77380
(435)646-4825

NEW NAME:
Ovintiv Production Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(435)646-4825

NAME (PLEASE PRINT) Shon McKinnon TITLE Regulatory Manager, Rockies

SIGNATURE Shon McKinnon DATE 3/16/2020

(This space for State use only)

(5/2000) (See Instructions on Reverse Side)

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number: See attached list	API Number: Atttached
Location of Well Footage : QQ, Section, Township, Range:	County : State : UTAH
	Field or Unit Name: See Attached
	Lease Designation and Number: See Attached

EFFECTIVE DATE OF TRANSFER: 1/24/2020

CURRENT OPERATOR

Company: Newfield Production Company
Address: 4 Waterway Square Place, Suite 100
city The Woodlands state TX zip 77380
Phone: (435) 646-4825
Comments:

Name: Shon McKinnon
Signature: Shon McKinnon
Title: Regulatory Manager, Rockies
Date: 3/18/2020

NEW OPERATOR

Company: Ovintiv Production, Inc
Address: 4 Waterway Square Place, Suite 100
city The Woodlands state TX zip 77380
Phone: (435) 646-4825
Comments:

Name: Shon McKinnon
Signature: Shon McKinnon
Title: Regulatory Manager, Rockies
Date: 3/18/2020

(This space for State use only)

Approved by the
Utah Division of
Oil, Gas and Mining

Mar 25, 2020

☐ EPA approval required

Max Inj. Press.
Max Inj. Rate
Perm. Inj. Interval
Packer Depth
Next MIT Due

(12/2019)

Division of Oil, Gas and Mining
Operator Change/Name Change Worksheet-for State use only

Effective Date: 7/1/2021

FORMER OPERATOR:	NEW OPERATOR:
Ovintiv Production, Inc.	Ovintiv USA, Inc.
Groups: Greater Monument Butte	

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 4689
Pre-Notice Completed: 9/22/2021

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 9/15/2021
2. Sundry or legal documentation was received from the **NEW** operator on: 9/15/2021
3. New operator Division of Corporations Business Number: 5053175-0143

REVIEW:

Receipt of Acceptance of Drilling Procedures for APD on: 9/15/2021
Reports current for Production/Disposition & Sundries: 9/22/2021
OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/25/2021
UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Dayne 10/4/2021
Surface Facility(s) included in operator change:

- Monument Butte Liq. Cond.
- Pleasant Valley (New)
- West Lateral 4C Slug Catcher (2-5-3-3)
- West Lateral Phase 5 Slug Catcher
- Bar F Slug Catcher
- Dart Slug Catcher
- Mullins Slug Catcher
- Ashley
- Sundance
- Ranch
- Pleasant Valley
- Monument Butte
- Ashley Fed 8-14-9-15 Pipeline
- Ute Tribal 4-13-4-2W Pipeline
- State 11-32 Pipeline
- Monument Butte St 10-36
- GB Fed 13-20-8-17
- Canvasback Fed 1-22-8-17

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s): B001834-B, 107238142A

DATA ENTRY:

Well(s) update in the RBDMS on: 11/24/2021
Group(s) update in RDBMS on: 11/21/2021
Surface Facilities update in RBDMS on: 11/24/2021
Entities Updated in RBDMS on: 11/24/2021

COMMENTS:

9/22/2021, Since the Newfield to Ovintiv operator change was processed at the beginning of 2021, Name change will only need to match the existing bonds in place under Ovintiv Production, Inc; no additiaonl bond will be required at this time.

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 ☐ GAS WELL ☐ OTHER	5. LEASE DESIGNATION AND SERIAL NUMBER: See attached list
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
	8. WELL NAME and NUMBER:
2. NAME OF OPERATOR: Ovintiv Production, Inc.	9. API NUMBER:
3. ADDRESS OF OPERATOR: 4 Waterway SQ PL STE 100 CITY The Woodlands STATE TX ZIP 77380 — PHONE NUMBER: (281) 210-5100	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 7/1/2021	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

This sundry is to serve as notification that Ovintiv Production Inc. merged into Ovintiv USA Inc. Attached is a list of all wells that will be operated under Ovintiv USA Inc. effect July 1, 2021.

PREVIOUS NAME:
Ovintiv Production Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(281) 210-5100

NEW NAME:
Ovintiv USA Inc.
4 Waterway Square Place Suite 100
The Woodlands, TX 77380
(281) 210-5100

NAME (PLEASE PRINT) Julia Carter — TITLE Manager, US Regulatory Operations

SIGNATURE Julia M Carter — DATE 9/8/2021

(This space for State use only)

APPROVED

By Utah Division of
Oil, Gas, and Mining
Rachel Medina

(5/2000) (See Instructions on Reverse Side)

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number: See attached list	API Number: Attached
Location of Well Footage : County : QQ, Section, Township, Range: State : UTAH	Field or Unit Name: See Attached Lease Designation and Number: See Attached

EFFECTIVE DATE OF TRANSFER: 7/1/2021

CURRENT OPERATOR

Company: Ovintiv Production, Inc.
Address: 4 Waterway Square Place, Suite 100
city The Woodlands state TX zip 77380
Phone: (281) 210-5100
Comments:

Name: Julia Carter
Signature: Julia M. Carter
Title: Manager, US Regulatory Operations
Date: 9/8/2021

NEW OPERATOR

Company: Ovintiv USA Inc.
Address: 4 Waterway Square Place Suite 100
city The Woodlands state TX zip 77380
Phone: (281) 210-5100
Comments:

Name: Julia Carter
Signature: Julia M. Carter
Title: Manager, US Regulatory Operations
Date: 9/8/2021

(This space for State use only) Approved by the Utah Division of Oil, Gas and Mining

Oct 04, 2021

☐ EPA approval required

Max Inj. Press.
Max Inj. Rate
Perm. Inj. Interval
Packer Depth
Next MIT Due

(12/2019)

Division of Oil, Gas and Mining
Operator Change/Name Change Worksheet-for State use only

Effective Date: 9/1/2022

FORMER OPERATOR:	NEW OPERATOR:
Ovintiv USA, Inc.	Scout Energy Management, LLC
Groups:	

WELL INFORMATION:

Well Name	API Number	Town	Dir	Range	Dir	Sec	Entity Number	Type	Status
See Attached List									

Total Well Count: 2888
Pre-Notice Completed: 10/19/2022

OPERATOR CHANGES DOCUMENTATION:

1. Sundry or legal documentation was received from the **FORMER** operator on: 9/26/2022
2. Sundry or legal documentation was received from the **NEW** operator on: 9/26/2022
3. New operator Division of Corporations Business Number: 12607016-0161

REVIEW:

Receipt of Acceptance of Drilling Procedures for APD on: 11/15/2022
Reports current for Production/Disposition & Sundries: 10/19/2022
OPS/SI/TA well(s) reviewed for full cost bonding: Approved by Dustin 10/11/2022
UIC5 on all disposal/injection/storage well(s) Approved on: Approved by Orlan 12/15/2022
Surface Facility(s) included in operator change: 10/19/2022

NEW OPERATOR BOND VERIFICATION:

State/fee well(s) covered by Bond Number(s): 612402641-Blanket Bond
612402460-Full-Cost Shut-In Bond

DATA ENTRY:

Well(s) update in the RBDMS on: 12/20/2022 and 1/25/2023
Group(s) update in RDBMS on: 12/20/2022
Surface Facilities update in RBDMS on: NA
Entities Updated in RBDMS on: 1/25/2023

COMMENTS:

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: See attached Exhibit A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: None - N/A

7. UNIT or CA AGREEMENT NAME: Greater Monument Butte Unit

1. TYPE OF WELL: OIL WELL ☑ GAS WELL ☐ OTHER

8. WELL NAME and NUMBER: See attached Exhibit A

2. NAME OF OPERATOR: Scout Energy Management, LLC

9. API NUMBER: Attached

3. ADDRESS OF OPERATOR: 13800 Montfort Road, Suite 1 CITY Dallas STATE TX ZIP 75240

PHONE NUMBER: (972) 325-1096

10. FIELD AND POOL, OR WILDCAT: See attached Exhibit A

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached Exhibit A

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 9/1/2022	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☑ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please consider this sundry as notification of the transfer of operatorship of the wells listed on the attached exhibit from Ovintiv USA Inc. to Scout Energy Management, LLC effective September 1, 2022.

PREVIOUS OPERATOR:
Ovintiv USA Inc.
4 Waterway Square Place, Suite 100
The Woodlands, Texas 77380

Signature - Christian C. Sizemore
Director, Rockies and Land Innovation
State/Fee Bond #105189977
BLM Bond #105073466

NEW OPERATOR:
Scout Energy Management, LLC
13800 Montfort Road, Suite 100
Dallas, TX 75240

Signature - Todd FLott
Managing Director
State/Fee Bond #612402460 / #61242461
BLM Bond #612402462

NAME (PLEASE PRINT) Todd Flott TITLE Managing Director

SIGNATURE Todd Flott DATE 8/31/2022

(This space for State use only)

APPROVED
By Rachel Medina at 10:58 am, Dec 21, 2022

(5/2000) (See Instructions on Reverse Side)

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number	API Number
see attached list	attached
Location of Well	Field or Unit Name
Footage : County : see attached	see attached Exhibit A
QQ, Section, Township, Range: State : UTAH	Lease Designation and Number: see attached Exhibit A

EFFECTIVE DATE OF TRANSFER: 9/1/2022

CURRENT OPERATOR

Company: Ovintiv USA Inc.
Address: 4 Waterway Square Place, Suite 100
city The Woodlands state TX zip 77380
Phone: 281-210-5100
Comments: UIC wells under UDOGM Jurisdiction

Name: Christian C. Sizemore
Signature:
Title: Director, Rockies and Land Innovation
Date: 11/16/2022

NEW OPERATOR

Company: Scout Energy Management LLC
Address: 13800 Montford Road, Suite 100
city Dallas state TX zip 75240
Phone: 972-325-1027
Comments: Change of operator effective 9/1/2022

Name: Jon Piot
Signature:
Title: Managing Director
Date: 11/15/2022

(This space for State use only)

☐ EPA approval required

Max Inj. Press.
Max Inj. Rate
Perm. Inj. Interval
Packer Depth
Next MIT Due

(12/2019)

FORM 9

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

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-75039

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: Greater Monument Butte

1. TYPE OF WELL Water Injection Well

8. WELL NAME and NUMBER: Pan American 1FR-9-16

2. NAME OF OPERATOR: Scout Energy Management, LLC

9. API NUMBER: 43013108220100

3. ADDRESS OF OPERATOR: 13800 Montfort Drive, Suite 100 , Dallas , TX, 75240

PHONE NUMBER: 972-277-1397

9. FIELD and POOL or WILDCAT: MONUMENT BUTTE

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 663 FNL 663 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNW Section: 13 Township: 9S Range: 16E Meridian: S

COUNTY: DUCHESNE

STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☑ SUBSEQUENT REPORT Date of Work Completion: 10/4/2023	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☑ OTHER	OTHER: MIT

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

A 5 YR MIT was performed on the above listed well. On 10/4/2023 the casing was pressured up to 1300 PSIG and charted for 30 minutes with no pressure loss. The tubing was 1679 PSIG during the test. State representative, Eden Hartung, was present to witness the test.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
(This is not an approval)
January 09, 2024

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Danene Harvey	972-325-1114	Sr. Regulatory Analyst
SIGNATURE N/A		**DATE** 10/6/2023

RECEIVED: Oct. 06, 2023

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

Scout EP
1820 W Highway 40
Roosevelt, UT 84066
435.352.6282

Witness Liam Hartung Date: 10/4/2023 Time: 10:55 am pm
Test Conducted By: DEAN CASPER
Others Present:

43-013-10822

Well Name:	PAW AMERICAN 2FR-13-9-16							
Field:	Monument Butte			County:	Duchesne		State:	UT.
Location:	2FR	Sec:	13	T	9	N/S	R	16 E/W
Operator:	SCOUT							
Last MI	/ /			Maximum Allowable Pressure:		1794		psig

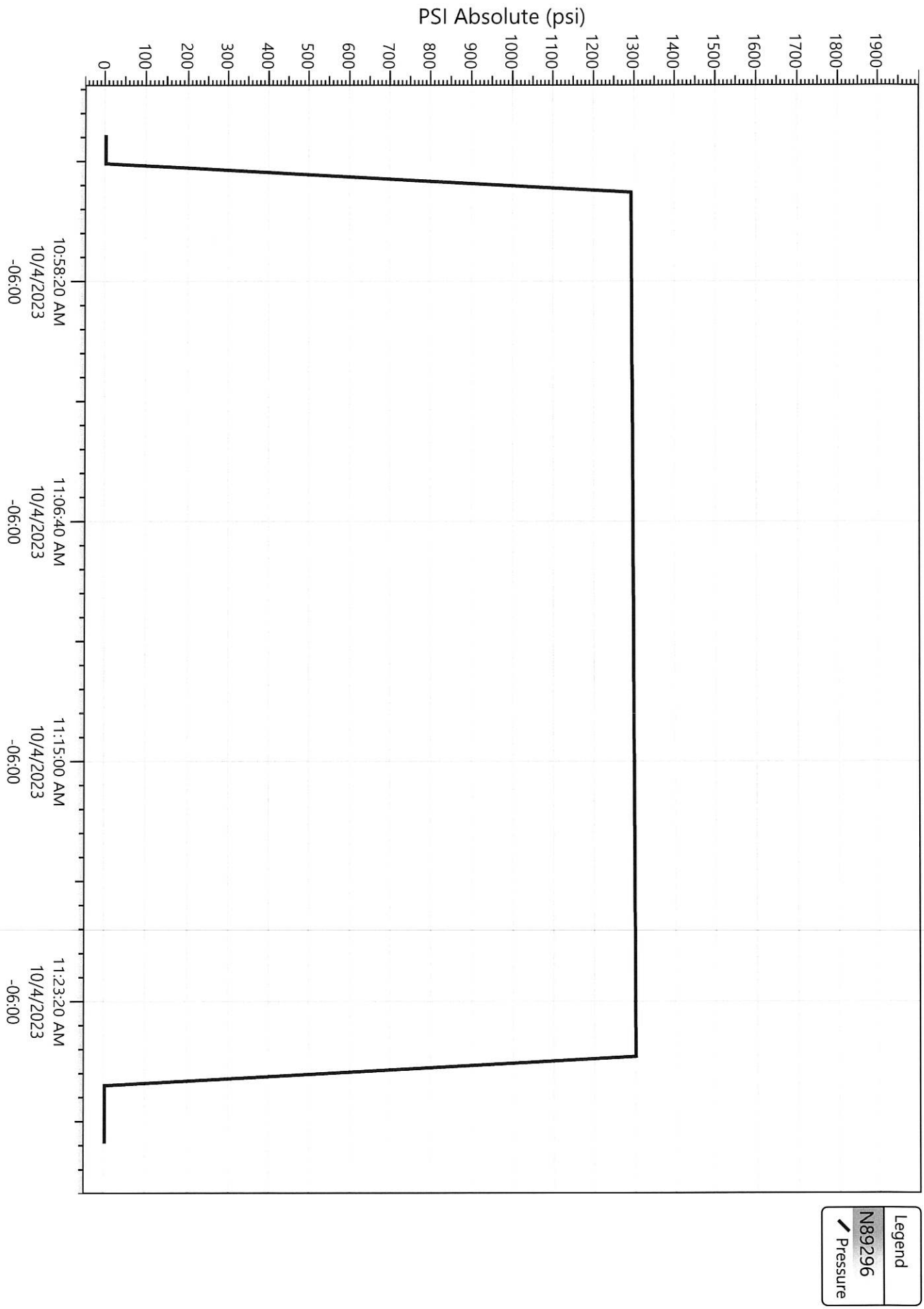
Is this a regulary scheduled test? {X} Yes { } No
Initial Test for Permit? { } Yes {X} No
Test after well rework? { } Yes {X} No
Well injection during test? { } Yes {X} No If Yes, rate: 0 bpd

Pre-test casing / tubing annulus pressure: 0 / 1678 psig

MIT DATA TABLE	Test #1		Test #2	
TUBING	PRESSURE			
Initial Pressure	1678	psig		psig
End of test pressure	1679	psig		psig
CASING / TUBING	ANNULUS		PRESSURE	
0 minutes	1292	psig		psig
5 minutes	1293	psig		psig
10 minutes	1294	psig		psig
15 minutes	1296	psig		psig
20 minutes	1298	psig		psig
25 minutes	1299	psig		psig
30 minutes	1300	psig		psig
____ minutes		psig		psig
____ minutes		psig		psig
RESULT	{X} Pass	{ } Fail	{ } Pass	{ } Fail

Does the annulus pressure build back up after test? { } Yes {X} No
Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:
Signature of Witness: Liam Hartung
Signature of Person Conducting Test:

5YR ✓


Pan American 1FR-13-9-16
10/4/2023 10:53:12 AM
PSI Absolute (psi)
0
100
200
300
400
500
600
700
800
900
1000
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1200
1300
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1600
1700
1800
1900
10:58:20 AM
10/4/2023
-06:00
11:06:40 AM
10/4/2023
-06:00
11:15:00 AM
10/4/2023
-06:00
11:23:20 AM
10/4/2023
-06:00
Legend
N89296
Pressure