

**encana**™



**Double Willow Unit  
P28 496**

**Minor Temporary Employee Housing  
Administrative Permit**

**July 2011**

**Permit Coordinator: Jason Eckman  
(970) 285 - 2656**



EnCana Oil & Gas (USA) Inc.  
2717 County Road 215  
Suite 100  
Parachute, CO 81635

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July 12, 2011

Glenn Hartmann  
Garfield County Building & Planning Department  
108 Eighth Street, Suite 401  
Glenwood Springs, CO 81601

RE: NTC Letter dated 7.1.2011 re: Application for Minor Temporary Employee Housing  
For Pad Site P28 (Double Willow Unit)

Dear Glenn or Fred (in your absence):

This letter is in response to your letter dated 7.1.2011 stating that components of our application are deemed 'Technically Incomplete'. I have provided responses and attachments which address each of your concerns. I look forward to continuance of the process and an approval of this application.

**1. Please update your Application with Garfield County Zoning designations.**

- The Application has been updated to include the proper Garfield County zoning designation.

**2. Please update your Application and site plan regarding potable water and to demonstrate that it will adequately serve the proposed use (including tank size and water delivery schedule.)**

- When an application is submitted, it is based on occupancy estimates provided by our production team. Our application is based on the estimate, we then adjust for any increases and report back to you once the site is occupied, as per Code.
- The occupancy load for the site is expected to be 22 people (including 6 essential personnel) requiring a daily potable water supply of 75 gallons x 22 = 1650 gallons.
- Our potable water contractor (Artesian Water Service) confirmed that onsite there are three (3) 3,300 gallon potable water tanks and two (2) 1500-gallon tanks owned by Mountain West Oil Field Service. The tanks are refilled by Artesian Water Service every 5 to 6 days.
- If the site requires the maximum of 24 people, the daily requirement for water would be 1800 gallons/day, and the number of tanks and/or refill rate for potable water would be adjusted to adequately respond to this increased demand.
- All water tanks on the site are monitored daily to ensure that there is enough water to meet the daily needs of the site occupants, and to provide enough time for the hauler to respond to this change in water demand. Suppliers confirm the usage and keep records of the gallons delivered, and provide this information to Encana.

**3. Your site plan information needs to include the location and size of the fire protection water storage tank.**

- The Code requirement is for one (1) fire suppression tank with a capacity of 2500 gallons. An updated site plan has been submitted that depicts one (1) separate fire suppression tanks one with a 4200-gallon capacity.

**4. The trash storage location needs to be shown on your site plan and the Application representations should confirm that it is adequate to meet code requirements and typical demand (include hauling schedule).**

As stated in Garfield County ULUR, 2008, as amended, Chapter 7-808 Additional Standards applicable to Group Home Facilities, D. Temporary Housing:

2. Minor Temporary Employee Housing Facilities ("Minor Permit"),

2 (b). *The Minor Facility shall adhere to the following Minor Permit standards:*

(6) *Refuse shall be disposed of weekly, at a minimum. Operators must keep appropriate records, to be provided to the County or any interested third party upon request, to demonstrate that refuse is collected in a timely fashion and disposed of at a licensed facility.*

- An updated site plan includes the location of the trash storage containers, including the single required 30-gallon 'bear and wildlife proof' container. (There are two.) The Application materials have been updated to confirm that the proposed use meets the Code requirements. The hauler reports that they are emptied every 5-6 days.
- As per Code, we will confirm the specific tank numbers and capacities when they are made available to us.

**5. Please update your Application and site plan regarding waste water disposal to provide details on size and capacity to confirm the plan meets code requirements and will adequately serve the proposed use.**

The proposed use is anticipated to generate 1650 gallons per day (22 occupants x 75 gallons/day= 1650 gallons.) As stated in Garfield County ULUR, 2008, as amended, Chapter 7-808 Additional Standards applicable to Group Home Facilities, D. Temporary Housing:

2. Minor Temporary Employee Housing Facilities ("Minor Permit"):

2 (b). *The Minor Facility shall adhere to the following Minor Permit standards:*

(19) *Wastewater Disposal:*

(a) *Vault System: All vault systems shall be designed and installed to accommodate the maximum number of persons, identified within the Minor Permit application, who will inhabit the Minor Facility. In addition, all vault systems shall be equipped with an overflow alarm device. Vault systems shall be designed to accommodate a minimum of 75 gallons of wastewater per person per day. If a vault system is proposed or has been approved, the Temporary Employee Housing Operator/Operator must:*

- (1) *Demonstrate that year-round vehicular access is available and maintained for safe and regular access for sewage hauling vehicles.*
- (2) *Provide a copy of the contract for hauling sewage.*
- (3) *Maintain all sewage disposal records including but not limited to trip logs/reports and landfill receipts as public records, available to the County and/or any other interested third party upon request.*

- An updated site plan includes the quantity and capacities of the tanks will be meet the demand for wastewater storage. The contracted hauler estimates the wastewater tanks will include five (5) 2000-gallon capacity units that will be emptied every 2-3 days at an approved treatment facility. The hauler provides Encana with trip logs/reports, receipts for delivery to an approved treatment facility, and can attest that the route provides safe and regular access year 'round for their service vehicles. An updated hauler affidavit is provided.

**6. Please clarify by statement your compliance with public notice requirements for properties within 200 feet of the site, including any mineral rights owners under the permitted site.**

- All public noticing requirements have been satisfied as the P28 496 Minor Temporary Employee Housing Unit site is placed within the boundaries of a COGCC-approved well pad site located entirely on an Encana-owned parcel (1917-274-00-012).
- As stated in the parcel's ownership materials, the Bureau of Land Management (BLM) owns the mineral rights beneath the location where the proposed use (man camp) will be located. Encana has been issued an APD from the Bureau of Land Management (BLM), and they are aware of the proposed use.
- The proposed use (MTEH) is not located within 200 feet of the parcel's boundary in any direction; therefore, there are no public noticing requirements yet to be satisfied.

**7. The site access directions provided with your vicinity map/site plan need to be updated to include information on gates and restrictions on access**

- An updated set of directions to the site, including gates and restrictions, has been included in the submittal.

**8. Installation and removal dates for the temporary housing units need to be provided.**

- It is estimated that the units will be placed on site within three (3) days of approval and will remain until June 20<sup>th</sup>, 2012.

**9. The surveyed boundary of the "Permitted Site" needs to be shown and labeled on the site plan. The site plan should demonstrate that all the improvements are planned to be located within the COGCC permitted parcel.**

- The proposed use is fully contained on a COGCC-permitted well pad site. COGCC-approved well pad sites include all areas depicted on the site survey, including disturbed areas for drainage, grade, fill and road access. (Please refer to Page 3 of the APD, where it is listed as 'Attachment 4001132191 Plat'.)

**10. Please provide additional information on the living quarters (proposed housing units) including size, capacity, configuration, and uses.**

- Encana Oil & Gas (USA) Inc. has had Temporary Employee Housing units approved by Garfield County on well pad sites for the past several years, using the same kind of housing units that are to be installed at this site. The housing units comply with Code requirements and are in sufficient number to provide for 16 occupants.
- An updated site plan has been provided that depicts the number, configuration, capacity, size and uses of these modular units proposed to be located temporarily on the site.
- As this is an application for a Minor Temporary Employee Housing Unit, a sample of the 'trailer tags' have been provided to provide information about the units proposed to be used.
- Verification of the actual units installed onsite shall be made as soon as the information is available.

**11. Your Service Hauler affidavits are over a year old and will need to be updated or replaced with current affidavits.**

- Updated Hauler Affidavits have been provided.

**12. The ownership information you provided needs to include documents demonstrating the transfer of ownership from Tom Brown to Encana Oil & Gas (USA), Inc.**

- Updated ownership documents have been provided that detail the transfer of ownership from Tom Brown to Encana Oil & Gas (USA), Inc.

**13. The complete Sheriff's sign-off needs to be provided including the first page, which was omitted from the copy received. Please clarify if your submitted Emergency Response Guide includes a "site safety/evacuation plan."**

- A complete set of updated sign-off documents from the Sheriff's Office have been provided.
- The submitted Emergency Response Guide includes a 'site safety/evacuation plan'.

Thank you for your time and efforts in this matter. We look forward to approval of our application.

Sincerely,



Jason Eckman  
Permitting / South Rockies Construction

Encl: Revised Site Plan, application, CD



GARFIELD COUNTY  
 Building and Planning Department  
 108 8<sup>th</sup> Street, Suite 401  
 Glenwood Springs, Colorado 81601  
 Telephone: (970) 945-8212 Facsimile: (970) 384-3470  
[www.garfield-county.com](http://www.garfield-county.com)

## Minor Temporary Employee Housing Administrative Permit

### GENERAL INFORMATION – Permit Must be Issued Prior to Facility Installation

(To be completed by the applicant – Please submit 3 paper copies & 1 CD copy of the completed application to the Planning Department)

Practical Location of Housing Site(s): Double Willow Sec.28,T4S,R96W		Tax Parcel Number: 1917-274-00-012	
Check One:	Minor Permit: <input checked="" type="checkbox"/>	Area-Wide Development Plan (AWDP):	
Zone District:	Resource Land	Maximum Number of Occupants for Each Facility:	24
Cumulative Time (Days) Each Facility Will be at Location (Attach additional sheet if necessary):		Approx. 320 days (to be renewed annually)	
State or Federal Permitting Agency Overseeing Reclamation, Restoration and Revegetation (REQUIRED):		COGCC	Site ID # (APD #): 05 045 20447 00
Previous Violations by Applicant/Operator (y/n): N		If So, How Many: (Attach Documentation of Previous Offenses)	
How Many Housing Facilities are Proposed in this Application?		1	

Name of Applicant (Surface Owner): Encana Oil & Gas (USA) Inc.			
Address:	370 17 <sup>th</sup> Street, Ste 1700	Telephone:	(720) 876-3128
City:	Denver	State:	CO
Zip Code:	80202	Fax:	

Name of Owner's Representative, if any: (attach appropriate documentation)		Jason Eckman, Permit Coordinator (Statement of Authority provided)	
Address:	2717 County Road 215, Ste 100	Phone:	970.285.2656
City:	Parachute	Email:	jason.eckman@encana.com
State:	CO	Zip Code:	81635
		Fax:	970.285.2691

### STAFF USE ONLY

Doc. No.:	Date Submitted:	TC Date:
Approval Date:		
Denial Date:	Planner:	

<b>ELIGIBILITY</b>		
<b>Requirement (Section 7-808 (D) (2)) – All Requirements Must be Satisfied to be Eligible as a Minor Facility</b>	<i>Applicant</i>	<i>Planning Department</i>
	<i>Complies (Y/N)</i>	<i>Complies (Y/N)</i>
The Minor Temporary Employee Housing Facility and any associated infrastructure (“Minor Facility(ies)”) must be completely contained within a state or federally permitted parcel (i.e. Colorado Oil and Gas Conservation Commission (COGCC) approved oil/gas well pad) in which reclamation and revegetation are secured with the permitting agency (Permitted Site); and,	Y	✓
The Minor Facility is located at the Permitted Site for less than a cumulative of one (1) year; and,	Y	✓
The Minor Facility shall have an occupancy of nine (9) to twenty-four (24) people who are employees, contractors or sub-contractors of the operator and are needed for onsite safety of the related commercial, industrial, extraction or highway operation.	Y	✓
Temporary employee housing facilities that do not have the three characteristics listed above, i.e. have an occupancy of 8 or fewer people or 25 or more people, on location for more than a cumulative of one (1) year or not completely contained within a Permitted Site, i.e. “Small Facility” or “Major Facility”, are subject to the special use review process and standards and requirements contained in Article 7.808 (D) (1) and (3) and the enforcement provisions of Article 12.	Y	✓

## I. Review Process

- A. Outline of Process. The Minor Temporary Housing Facility(ies) Review process shall consist of the following procedures as more fully defined in Section 4-108 of Article IV:
1. Application
  2. Determination of Completeness
  3. Evaluation by the Director
  4. Decision by Director
- B. Review Process.
1. Minor Permit and Area Wide Development Plan (AWDP): Each Minor Facility application shall be reviewed by the Director and an administrative determination made, in accordance with the process and timeframes outlined below. The Applicant, however, may choose to apply for an AWDP consisting of multiple Minor Facilities to be developed within an identified amount of time, using an accelerated administrative process, following approval of an AWDP, leading to multiple Minor Permits. Approval of an AWDP, however, does not guarantee approval of each Minor Permit.
  2. Administrative review is required for permitting of each Minor Facility, in accordance with the process and timelines contained below.
  3. Upon submittal of an application for a Minor Permit or for approval of an AWDP to the Department, a technical compliance check shall be completed and notice of compliance or non-compliance sent to the Applicant by the Director within fourteen (14) calendar days of submittal. Once an application for a Minor Permit or AWDP is deemed technically compliant

by the Director, the Director shall issue a determination of approval, approval with conditions or denial within fourteen (14) calendar days following the date of technical compliance determination. Unless otherwise provided herein, the expiration of any time limitation imposed upon the Board of County Commissioners, the Planning Commission, or any other County representative, shall be interpreted as having consequence only in entitling an interested party to request judicial relief in the nature of mandamus. The expiration of any such time limitation shall not, in and of itself, be considered as approval or denial of any application, plan or plat under consideration.

4. If the Director finds in reviewing an application that the application meets the standards set forth in this Unified Land Use Resolution of 2008, the Director shall approve the application for a Minor Permit and issue the Minor Permit to the Owner of the subject lot or approve the application for approval of an AWDP.
5. If the Director finds that the application does not meet an applicable standard or standards, the application may be approved with appropriate reasonable conditions imposed to avoid or minimize the significant adverse impacts of the Minor Facility(ies). Such conditions may include, but are not necessarily limited to, the relocation or modification of proposed access roads, facilities (including water and sewer facilities), or structures; landscaping, buffering, or screening; or any other measures necessary to mitigate any significant impact on surrounding properties and infrastructure.
6. If the Director finds that the application does not meet an applicable standard or standards and that the non-compliance cannot be mitigated through a condition(s) of approval, the Director shall deny the Minor Permit or application for approval of an AWDP.

## II. REQUIRED CHECKLIST FOR ALL MINOR TEMPORARY HOUSING APPLICATIONS

The following section contains the checklist to be completed by an applicant and applicable Fire District and County Sheriff's Office.

Requirement	Applicant (Mark if Submitted)	Planning Department
		Materials Submitted and Adequate
Completed Application and Application Fee	Y	✓
Letter of Authorization or Similar per	Y	NA
Submittal Requirements for AWDP Application: (Per Section 4-501 (K) (4).)		NA
<b>Site Plan (Per Section 4-502 (C)(3))</b>		
A master map/site plan in accordance with Section 4(H), below identifying the proposed location and anticipated layout for all Minor Facilities to be installed within the AWDP. Site specific, surveyed maps depicting the location of each Minor Facility, located within the Permitted Site within the subject lot, shall be submitted with each individual Minor Permit application and not with the application for approval of an AWDP.	Y	
The master map/site plan shall include a list of the anticipated dates of installation and removal for each Minor Facility. The list shall also include the estimated total cumulative length of time (number of days) that the Minor Facilities are anticipated to be installed at the proposed location.	Y	
Sign-offs from the Garfield County Sheriff's Office, relevant fire protection district(s), and Garfield County Building Department consistent with the requirements of this code.	Y	

NOT  
AWDP

Requirement	Applicant (Mark if Submitted)	Planning Department
		Materials Submitted and Adequate
A legible photo of the state or federal "certifying stamp" for each housing unit anticipated to be used within the AWDP and demonstration that each proposed unit meets current building code and Garfield County fire code requirements.	Y	
A general description of infrastructure and services listed in this code. The detail required at the time of application for a Minor Permit is not required at the time of application for approval of an AWDP.	Y	
Proof that required public noticing has been performed in accordance with Section 2, above.	Y	
<b>Submittal Requirements for Minor Permit, including Minor Permit application for which an AWDP was previously approved: (Section 4-501 (K) (5))</b>	Y	
Sign-offs: review from the Garfield County Sheriff's Office and relevant fire protection district(s). If an AWDP was previously approved in accordance with Section (3), above, the applicant for a Minor Permit need not resubmit the sign-offs.	Y	✓
Sign-off: review from the Garfield County Building Department of the state or federal "certifying stamp" for each housing unit proposed for use and demonstration that each proposed housing unit meets current building code and fire code requirements. If an AWDP has been previously approved which includes the Minor Facility presently being permitted, the Applicant shall identify the housing units which will be used at the Minor Facility from the list approved as a part of the AWDP.	Y	TBD
General description of the water system planned for potable water, along with details regarding number and volume of potable water tanks, source of water, name of hauler, hauler's Colorado Department of Public Health and Environment (CDPHE) registration number and copy of hauler's CDPHE certification, frequency of delivery, and calculation of water demand and demonstration of adequate capacity.	Y	✓
A general description of the system planned for collection and storage of sewage and wastewater, along with details regarding number and volume of sewage and wastewater vaults, name of hauler, frequency of pickup, identification of sewage disposal site, calculation of sewage and wastewater treatment demand and demonstration of adequate storage and/or treatment capacity.	Y	✓
A general description of the system planned for collection and disposal of refuse, along with details regarding refuse collection, including number, type and volume of containers; name of hauler; frequency of collection; and identification of refuse disposal site.	Y	✓

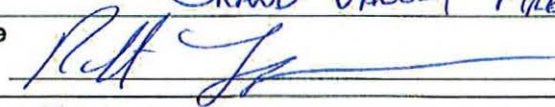


Requirement	Applicant (Mark if Submitted)	Planning Department
		Materials Submitted and Adequate
A list of adjacent surface owners within 200 feet of the Subject Lot or 200 feet from the Permitted Site if the Permitted Site is within the Resource Land Zone District and within the Resource Land Plateau Sub-District, as identified in the Garfield County Assessor's records, and a list of separated mineral estate owners in the subject lot or the Permitted Site if the Permitted Site is within the Resource Land Zone District and within the Resource Land Plateau Sub-District, as identified in the Garfield County Clerk and Recorders records.	Y (none within 200')  BLM	✓
A list of the final dates of installation and removal of the Minor Facility and a representation of the total cumulative length of time (number of days) that the Minor Facility will be installed at the proposed location.	Dates dependent upon drill schedule which is <u>yet to be determined.</u> Cumulative: approx. 320 days	NEW DATES ✓
Unless previously demonstrated as apart of an approved AWDP, submit proof that required public noticing has been performed in accordance with Section 4-501 (K) (2).	Y Check 501 (k) (2) does not exist	✓
Site Plan in conformance with <i>Section 4-502(C)(3)</i> .	Y	
The name, title, address, phone number and email address of the Operator's employee or other authorized representative who is in charge of ensuring that the Minor Facility is in compliance with the standards outlined in Section VII.	Y	✓
A form, provided by the Department and signed by the Operator's Compliance Officer, indicating that the Minor Facility will be installed in accordance with all applicable Garfield County, relevant fire district, state and federal regulations.	Y	✓
A form, provided by the Department and signed by the Operator's Compliance Officer, indicating that the Operator submits to the enforcement provisions identified within this code.	Y	✓
A copy of the permit from the state or federal agency, regulating the Permitted Site, identifying the location, conditions of approval, time period for which the permit is valid and the parameters for reclamation and revegetation of the Minor Facility once the state or federal permit for the Permitted Site has expired or is otherwise terminated.	Y	✓
Demonstration of ownership of subject lot in accordance with this code. (i.e. deed, title commitment).	Y	✓

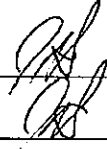
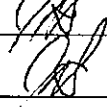


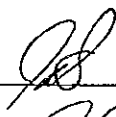
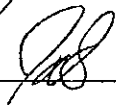


### III. REQUIRED CHECKLIST FOR FIRE PROTECTION DISTRICT


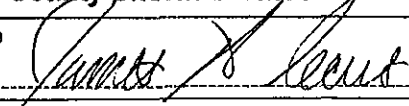
Documents to be Received & Reviewed by District - (Referral Agencies May Require Further Information in Addition to the Documents and Materials Identified Below.)	Representative of District (Documents Received are of Adequate Quality and Quantity)
<b>Application</b> The Referral Agency shall receive a full and complete copy of the application including all updates and additions.	(PF)
<b>Site Plan</b> Site Plan, as required by Section 4-502(C)	(PF)
<b>Fire Suppression</b> A water storage tank shall be required to provide water to the sprinkler system and initial suppression activities. The size of the water tank shall be determined based on sprinkler calculations and initial suppression demands. The size of the water storage tank shall be determined by the relevant fire protection district. If the Minor Facility is located outside the boundaries of a fire protection district, than Each Minor Facility shall have at least one (1) water storage tank with a minimum of 2500 gallons of stored water for initial fire suppression, operation of sprinkler systems (if applicable) and wild land fire protection.	(PF)
<b>Emergency Fire Notification Systems</b> Factory built nonresidential structures or recreational vehicle units equipped by the manufacturer with a fire sprinkler system, fire detection system, and/or alarm system shall be inspected, tested, and maintained in accordance with 2003 IFC §901.4 and §901.6 and as required by the relevant fire protection district(s). Smoke alarms and manual fire alarm systems shall be installed, inspected and maintained in all other factory built nonresidential structures or recreational vehicle units in accordance with 2003 International Fire Code (IFC) §907.2.9 and §907.2.10 and the requirements of the relevant fire protection districts.  One (1) or more approved fire extinguisher(s) of a type suitable for flammable liquids, combustible materials and electrical fires (Class ABC), or dry chemical, shall be located in each factory built nonresidential structure or recreational vehicle unit and placed in accordance with applicable codes.	(PF)

As an authorized representative of the affected Fire Protection District (District), I verify that the District has received adequate submittals (written and graphic) for this District to carry out its services. It is understood that the District is not obligated to sign-off on this form if further information, either in terms of quality or quantity, is necessary to carry out the District's purpose and mission.

Fire Protection District GRAND VALLEY FIRE PROTECTION DISTRICT	
Signature 	Date 6-22-2011
Name (Please Print) ROB FERGUSON	Title DEPUTY FIRE CHIEF

**IV. REQUIRED CHECKLIST FOR GARFIELD COUNTY SHERIFF'S OFFICE**

<b>Documents to be Received &amp; Reviewed by County Sheriff</b> <small>Referral Agencies May Require Further Information in Addition to the Documents and Materials Identified Below.</small>	<b>Representative of Sheriff</b> <small>(Documents Received are of Adequate Quality and Quantity)</small>
<b>Application</b> The Referral Agency shall receive a full and complete copy of the application including all updates and additions.	
<b>Site Plan</b> Site Plan as required by Section 4-502(C)	
A vicinity map indicating the section, township, and range of the subject lot and the location of Minor Facility within the subject lot and the Permitted Site; general relation to surrounding public roads, private roads, adjacent utility systems, residential development, other actively permitted Minor and Major Facilities, natural drainage courses and municipalities within one (1) mile of the proposed Minor Facility; north arrow and scale; GPS coordinates and current surface ownership of the subject lot. The vicinity map shall be presented on a USGS 7.5 minute series quadrangle at a scale of 1"=2000' or equivalent, with a topography depicted at a minimum of 40' intervals.	
Surveyed layout of the proposed Minor Facility within the surveyed boundaries of the Permitted Site, including at a minimum: housing structures, sewage and wastewater disposal, trash receptacles, potable water storage, all other associated infrastructure and all other equipment located within the Permitted Site.	
Identification of the private and public roadways accessing each Minor Facility. Roadways shall be marked as open, gated, and/or locked (include combinations). Detailed directions, with mileage, shall be given from the nearest town within Garfield County, nearest Garfield County Sheriff's Office dispatch location and responsible fire district headquarters to each Minor Facility, along each roadway.	
Name, address and phone number of surface owner of the subject lot or the Permitted Site if the Permitted Site is within the Resource Land Zone District and within the Resource Land Plateau Sub-District.	
Name, address and phone number, including a 24-hour emergency response number of at least two persons responsible for Operator's emergency field operations; contact numbers for local hospitals, emergency response, fire protection districts, Garfield County Sheriff's Office, Life/Care Flight, and applicable regulatory agencies; site safety/evacuation plan; and any other written response plan for potential emergencies at the Permitted Site.	
Identification of the final dates of installation and removal of the Minor Facility. The site plan shall include a notation of the total cumulative length of time (number of days) that the Minor Facility will be installed at the Permitted Site.	

<b>Documents to be Received &amp; Reviewed by County Sheriff</b> (Referral Agencies May Require Further Information in Addition to the Documents and Materials Identified Below.)	<b>Representative of Sheriff</b> (Documents Received are of Adequate Quality and Quantity)
<b>Emergency Notification</b> Please Note: All emergency situations requiring action by any government agency or district shall be documented in writing and presented to the Planning Department and Garfield County Sheriff's Office within 24 hours of the occurrence. Failure to report such emergency situations shall be deemed a violation per the <u>Unified Land Use Resolution of 2008</u> .	
<p><i>As an authorized representative of the Garfield County Sheriff's Office (S.O.), I verify that the S.O. has received adequate submittals (written and graphic) to carry out emergency response in regards to the aforementioned Minor Temporary Employee Housing Facility. It is understood that the S.O. is not obligated to sign-off on this form if further information, either in terms of quality or quantity, is necessary to carry out the S.O.'s purpose and mission.</i></p>	
<b>Garfield County Sheriff's Office</b>	
Signature 	Date <u>7/12/11</u>
Name (Please Print) <u>JAMES H. SEARS</u>	Title <u>EMER. Ops SGT</u>

## V. Performance Standards and Enforcement Sign-Off (Operator's Compliance Officer)

The applicant shall adhere to the following Minor Temporary Employee Housing Facility Standards required in Section 7-808(D)(2) of Article VII:

Minor Temporary Employee Housing Facilities, in the nature of Factory Built Nonresidential Structures [as defined under C.R.S. 24-32-3302(a)] and/or recreational vehicles [as defined under C.R.S. 42-1-102 (61), with the addition that such truck, truck tractor, motor home or camper trailer is being used for temporary living quarters and not recreational purposes], may be granted land use approval for projects related to commercial, industrial and mineral extraction operations by the Building and Planning Department Director (Director), through the Minor Permit process. Such housing shall be of a temporary nature, and at the expiration or other termination of the Minor Permit, all structures, foundations and associated infrastructure shall be completely removed. Such facilities are subject to all applicable requirements of Garfield County building and fire codes (building code, fire code), state and federal permits and relevant fire protection district(s) fire code requirements.

Minor Permits shall have all of the following basic characteristics:

- A. Minor Facilities must comply with all applicable federal, state and local laws and regulations.
- B. Operator must keep and maintain appropriate records, to be provided to the County or any interested third party upon request, to demonstrate that potable water supplied and sewage and wastewater meet the representations contained within the application, as required.

*EnCana will keep and maintain appropriate records, to be provided to County or any interested third party upon request.*

- C. In no case shall unsafe water be used for drinking nor shall raw sewage or contaminated water be discharged on the ground surface. The operator shall conduct monthly tests (or quarterly if an on-site disinfection system is installed) and maintain records of stored potable water samples specific for coli form bacteria. Any tests indicating coli form contamination must be disclosed to the Garfield County Board of Health or designee within 72 hours from the time the contaminated water was tested.

*Potable water is provided at each temporary housing facility and includes bottled water and potable water stored in potable water tanks. Each temporary housing facility will have a minimum of one potable water storage tank; on this site will be three (3) 3300-gallon capacity tanks and two (2) 1500-gallon capacity tanks. The water storage tanks will be filled as needed, but at a minimum of every 5 to 6 days. The occupancy of the site is estimated to be 22 people with a daily demand of 1650 gallons. If the site requires the maximum of 24 people, the daily requirement for water would be 1800 gallons/day, and the refill rate for potable water would be adjusted to adequately respond to this increased demand.*

*EnCana will use CDPHE-certified potable water haulers to haul potable water to the temporary employee housing facilities, and updated hauler affidavits are provide with the application. Potable water is from approved sources in Mesa County and the City of Rifle.*

*EnCana's potable water contractors will conduct monthly tests and maintain records of stored potable water samples specific for coli form. Any tests indicating coli form contamination will be disclosed to the Garfield County Board of Health. EnCana will maintain appropriate records.*

- D. Minor Facilities shall be maintained in a clean, safe and sanitary condition, free of weeds and refuse. Any hazardous or noxious materials that must be stored at the Minor Facility for operational or security reasons must be managed in accordance with all applicable federal, state and local laws and regulations.

*Temporary employee housing facilities will be maintained in a clean and sanitary condition. Hazardous or noxious materials that must be stored at the Minor Facility for operational or security reasons will be managed in accordance with all applicable federal, state and local laws and regulations.*

- E. At least one thirty (30) gallon (4 cubic feet) wildlife-proof refuse container shall be provided for each factory built nonresidential structure or recreational vehicle unit. Said container(s) must be durable, washable, non-absorbent metal or plastic with tight-fitting lids.

*Each temporary housing facility will have a minimum of one thirty-gallon, wildlife-proof refuse container. An updated site plan includes the location of the trash storage containers, including the required 30-gallon 'bear and wildlife proof' container, of which there are two.*

- F. Refuse shall be disposed of weekly, at a minimum. Operators must keep appropriate records, to be provided to the County or any interested third party upon request, to demonstrate that refuse is collected in a timely fashion and disposed of at a licensed facility.

*Refuse shall be disposed of as needed, with a minimum removal once per week. Currently, two companies provide trash collection and removal services for our Minor TEH Facilities; Western Colorado Waste Service, Inc. and Next Generation Recycling. Refuse is disposed of at Garfield County Landfills. Updated Hauler Affidavits are provided. The hauler reports that they are emptied every 5-6 days. EnCana will maintain appropriate records which will demonstrate that refuse is collected in a timely fashion and disposed of at a licensed facility. As per Code, we will confirm the specific tank numbers and capacities when they are made available to us.*

- G. Outdoor food storage is prohibited unless facilities that prevent the attraction of animals to the Minor Facility are provided.

*Any individual coolers will be stored inside vehicles with the windows and doors securely shut.*

- H. Factory-built nonresidential structures or recreational vehicle units equipped by the manufacturer with a fire sprinkler system, fire detection system, and/or alarm system shall be inspected, tested, and maintained in accordance with 2003 IFC §901.4 and §901.6 and as required by the relevant fire protection district(s). Smoke alarms and manual fire alarm systems shall be installed, inspected and maintained in all other factory built nonresidential structures or recreational vehicle units in accordance with 2003 International Fire Code (IFC) §907.2.9 and §907.2.10 and the requirements of the relevant fire protection districts.

*Units equipped with a fire sprinkler system, fire detection system, and/or alarm system shall be inspected, tested, and maintained in accordance with 2003 IFC §901.4 and §901.6 and as required by relevant fire protection district. Smoke alarms and fire alarm systems will be placed in each temporary housing unit;*

*inspected and maintained in accordance with 2003 International Fire Code (IFC) §907.2.9 and §907.2.10 and the requirements of the fire protection districts.*

- I. Single-station carbon monoxide alarms shall be placed in each factory built nonresidential structure or recreational vehicle unit.

*Single-station carbon monoxide alarms will be placed in each temporary housing unit.*

- J. One (1) or more approved fire extinguisher(s) of a type suitable for flammable liquids, combustible materials and electrical fires (Class ABC), or dry chemical, shall be located in each factory built nonresidential structure or recreational vehicle unit and placed in accordance with applicable codes.

*One (1) or more approved fire extinguisher(s) of a type suitable for flammable liquids or electrical fires (Class B or Class C), carbon dioxide or dry chemical, will be located in each temporary housing unit will be located in each temporary housing unit and placed in accordance with applicable codes.*

- K. Inhabitants of the Minor Facility shall be Applicant's employees and/or subcontractors, working on the related commercial, industrial or mineral extraction operation, and not dependents of employees, guests or other family members.

*Inhabitants of the Minor Facility shall be EnCana's employees and/or subcontractors, working on the related commercial, industrial or mineral extraction operation, and dependents of employees, guests or other family members are prohibited from staying at the Minor Facility.*

- L. Within 10 days following the expiration or other termination of the Minor Permit or represented date of removal identified within the Minor Permit, all housing structures, foundations and associated infrastructure shall be completely removed. The Operator shall provide the Department with photos, dated and signed by the Operator's Compliance Officer, indicating that all housing structures, foundations and associated infrastructure has been removed within the specified timeframe.

*EnCana will provide photos to the Department, indicating that all housing structures, foundations and associated infrastructure have been removed.*

- M. No domestic animals are allowed at a Minor Facility.

*EnCana's policy does not allow for domestic animals at Minor Facilities.*

- N. A water storage tank shall be required to provide water to the sprinkler system and initial suppression activities. The size of the water tank shall be determined based on sprinkler calculations and initial suppression demands. The size of the water storage tank shall be determined by the relevant fire protection district. If the Minor Facility is located outside the boundaries of a fire protection district, than Each Minor Facility shall have at least one (1) water storage tank with a minimum of 2500 gallons of stored water for initial fire suppression, operation of sprinkler systems (if applicable) and wild land fire protection.

*Each Minor Facility will have a separate fire suppression water storage tank with a minimum of 2,500 gallons of stored water for initial fire suppression and wild land fire protection. An updated site plan has been submitted that depicts a separate fire suppression tank with a 4200 gallon-capacity.*

- O. All emergency situations requiring action by any government agency or fire protection district shall be documented in writing and presented to the Planning Department and Garfield County Sheriff's Office within 24 hours of the occurrence.

*Any emergency situations requiring action by any government agency or fire protection district shall be documented in writing and presented to the Planning Department and Garfield County Sheriff's Office within 24 hours of the occurrence.*

- P. All required Access Permits shall be obtained from the Garfield County Road and Bridge Department or the Colorado Department of Transportation.

*All required Access Permits shall be obtained from the Garfield County Road and Bridge Department or the Colorado Department of Transportation.*

- Q. The Garfield County Sheriff's Office and relevant fire protection district(s) must be notified at least 24 hours prior to installation and removal of each Minor Facility. The Department shall be copied on all such notification, whether hard copy or electronic.

*Notification will be given to the Garfield County Sheriff's Office and relevant fire protection district(s) at least 24 hours prior to installation and removal of each Minor Facility. Garfield County Building & Planning Department will be copied on such notification.*

- R. The Operator shall maintain records identifying workers, whether employees or sub-contractors, and documenting the dates that each worker is housed at the Minor Facility. Such records shall be provided to the County or any additional third party upon request.

*Records will be maintained indentifying workers and indicating the dates that each worker is housed at the Minor Facility. Such records shall be provided to the County or any additional third party upon request.*

S. Wastewater Disposal:

- 1) Vault System: All vault systems shall be designed and installed to accommodate the maximum number of persons, identified within the Minor Permit application, who will inhabit the Minor Facility. In addition, all vault systems shall be equipped with an overflow alarm device. Vault systems shall be designed to accommodate a minimum of 75 gallons of wastewater per person per day. If a vault system is proposed or has been approved, the Applicant/Operator must:
  - a) Demonstrate that year-round vehicular access is available and maintained for safe and regular access for sewage hauling vehicles.

*Each Minor Facility will have a vault system installed to accommodate the maximum number of persons who will inhabit the Minor Facility. Each wastewater storage tank will be equipped with an overflow alarm and will either have secondary containment, an overflow tank, or both measures. An updated site plan includes the quantity and capacities of the tanks will be meet the demand for wastewater storage. The contracted hauler estimates the wastewater tanks will be two (2) 3300-gallon capacity units that will be emptied every 2-3 days at an approved treatment facility. The hauler provides Encana with trip logs/reports, receipts for delivery to an approved treatment facility, and can attest that the route provides safe and regular access year 'round for their service vehicles.*



*During the time that the Minor Facilities are occupied and drilling operation are ongoing, EnCana will ensure that vehicular access is available and maintained for safe and regular access for sewage hauling vehicles.*

- b) Provide a copy of the contract for hauling sewage.

*Updated Hauler Affidavits have been provided.*

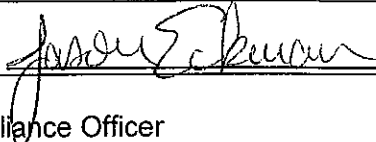
- c) Maintain all sewage disposal records including but not limited to trip logs/reports and landfill receipts as public records, available to the County and/or any other interested third party upon request.

*All sewage disposal records will be maintained including, but not limited to trip logs/reports and landfill receipts as public record, available to the County and/or any interested third party upon request.*

- 2) If the total waste production from a facility will be 2000 gallons per day or greater based on a production of 75 gallons of wastewater generation per person per day, then the facility 0
- 3) shall be serviced by an ISDS. Hauled sewage and wastewater service shall not be permitted for any facility which will generate a total of 2000 gallons of wastewater and sewage per day.
- 4) Individual Sewage Disposal System (ISDS): If an ISDS is proposed or has been approved, then it shall be designed, installed and operated to accommodate the maximum number of persons who will inhabit the Minor Facility and shall otherwise be operated in accordance with the Garfield County ISDS regulations as contained in BOCC Resolution Number 1994H-136.

*ISDS systems utilized at the Minor Facility are designed, installed and operated to accommodate the maximum number of persons that will inhabit the Minor Facility.*

***I have read and understand the above referenced sections of the Unified Land Use Resolution of 2008. In addition, I hereby certify that the aforementioned facility(ies) will be installed in accordance with all applicable Garfield County, relevant fire district, state and federal regulations. Further, I understand that non-compliance with any of the provisions as outlined in the Unified Land Use Resolution of 2008 shall be enforced in accordance with Section 12 and any additional enforcement provisions within this code.***

Name of Operator's Compliance Officer (Please Print)	Jason Eckman
Signature	 Date 6/20/11
Title Permit Compliance Officer	
Address 2717 County Road 215, Suite 100, Parachute CO 81635	Phone Number 970.285.2656

FORM  
2  
Rev  
12/05

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400132188

Plugging Bond Surety

APPLICATION FOR PERMIT TO:

1.  Drill,  Deepen,  Re-enter,  Recomplete and Operate

2. TYPE OF WELL

OIL  GAS  COALBED  OTHER \_\_\_\_\_  
SINGLE ZONE  MULTIPLE ZONE  COMMINGLE ZONE

Refiling   
Sidetrack

3. Name of Operator: ENCANA OIL & GAS (USA) INC 4. COGCC Operator Number: 100185

5. Address: 370 17TH ST STE 1700  
City: DENVER State: CO Zip: 80202-5632

6. Contact Name: Julia Carter Phone: (720)876.5240 Fax: (720)876.6240  
Email: Julia.Carter@encana.com

7. Well Name: DW Well Number: 8601A-33 P28496

8. Unit Name (if appl): Big Jimmy Unit Unit Number: COC74105X

9. Proposed Total Measured Depth: 12278

WELL LOCATION INFORMATION

10. QtrQtr: SESE Sec: 28 Twp: 4S Rng: 96W Meridian: 6

Latitude: 39.667783 Longitude: -108.165711

Footage at Surface: 620 feet FSL 445 feet FEL  
FNL/FSL FEL/FWL

11. Field Name: Wildcat Field Number: 99999

Ground Elevation: 7791 13. County: GARFIELD

14. GPS Data:

Date of Measurement: 09/18/2010 PDOP Reading: 1.8 Instrument Operator's Name: Robert Kay

15. If well is  Directional  Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL  
100 FNL 1310 FEL 100 FNL 1310 FEL  
Sec: 33 Twp: 4S Rng: 96W Sec: 33 Twp: 4S Rng: 96W

16. Is location in a high density area? (Rule 603b)?  Yes  No

17. Distance to the nearest building, public road, above ground utility or railroad: 4500 ft

18. Distance to nearest property line: 1072 ft 19. Distance to nearest well permitted/completed in the same formation: 212 ft

20. LEASE, SPACING AND POOLING INFORMATION

Objective Formation(s)	Formation Code	Spacing Order Number(s)	Unit Acreage Assigned to Well	Unit Configuration (N/2, SE/4, etc.)
Iles	ILES			
Williams Fork	WMFK	510-13		NENE

21. Mineral Ownership:  Fee  State  Federal  Indian Lease #: COC65556  
 22. Surface Ownership:  Fee  State  Federal  Indian  
 23. Is the Surface Owner also the Mineral Owner?  Yes  No Surface Surety ID#: \_\_\_\_\_  
 23a. If 23 is Yes: Is the Surface Owner(s) signature on the lease?  Yes  No  
 b. If 23 is No  Surface Owners Agreement Attached or  \$25,000 Blanket Surface Bon  \$2,000 Surface Bond  \$5,000 Surface Bond  
 24. Using standard QtrQtr, Sec, Twp, Rng format enter entire mineral lease description upon which this proposed wellsite is located (attach separate sheet/map if you prefer):  
 T4S-R96W, 6th PM, Sec 33: ALL  
 25. Distance to Nearest Mineral Lease Line: 100 ft 26. Total Acres in Lease: 640

**DRILLING PLANS AND PROCEDURES**

27. Is H2S anticipated?  Yes  No If Yes, attach contingency plan.  
 28. Will salt sections be encountered during drilling?  Yes  No  
 29. Will salt (>15,000 ppm TDS CL) or oil based muds be used during drilling?  Yes  No  
 30. If questions 28 or 29 are yes, is this location in a sensitive area (Rule 901.e)?  Yes  No  
 31. Mud disposal:  Offsite  Onsite **If 28, 29, or 30 are "Yes" a pit permit may be required.**  
 Method:  Land Farming  Land Spreading  Disposal Facility Other: Recycle & Bury  
 Note: The use of an earthen pit for Recompletion fluids requires a pit permit (Rule 905b). If air/gas drilling, notify local fire officials.

Casing Type	Size of Hole	Size of Casing	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top
CONDUCTOR	26	20	Line Pipe	0	120		120	0
SURF	14+3/4	9+5/8	36#	0	2,000	626	2,000	0
1ST	7+7/8	4+1/2	11.6#	0	12,278	610	12,278	

BOP Equipment Type:  Annular Preventer  Double Ram  Rotating Head  None  
 33. Comments Encana Oil & Gas (USA) Inc owns surface. Please note cement will be run to surface for both conductor and surface casing. The surface casing hole size will be 14-3/4", 12-1/4" or 13-1/2". Production casing hole size will be both 7-7/8" and 8-3/4". Production casing cement top will be at least 200' above WMFK. Distance on #17 taken from the nearest public road. Onsite was on 10/13/10 with the BLM.

34. Location ID: \_\_\_\_\_  
 35. Is this application in a Comprehensive Drilling Plan ?  Yes  No  
 36. Is this application part of submitted Oil and Gas Location Assessment ?  Yes  No  
 I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.  
 Signed: \_\_\_\_\_ Print Name: Julia M. Carter  
 Title: Regulatory Analyst Date: 2/10/2011 Email: Julia.Carter@encana.com

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: David & Noeline Director of COGCC Date: 3/4/2011

**API NUMBER**  
05 045 20447 00

Permit Number: \_\_\_\_\_ Expiration Date: 3/3/2013

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

(1) COMPLIANCE WITH THE MOST CURRENT REVISION OF THE NORTHWEST COLORADO NOTIFICATION POLICY IS REQUIRED.

(2) GARFIELD COUNTY RULISON-FIELD NOTICE TO OPERATORS. NOTE: ALL NOTICES SHALL BE GIVEN VIA E-MAIL. SEE ATTACHED NOTICE.

(3) THE PROPOSED SURFACE CASING IS MORE THAN 50' BELOW THE DEPTH OF THE DEEPEST WATER WELL WITHIN 1-MILE OF THE SURFACE LOCATION WHEN CORRECTED FOR ELEVATION DIFFERENCES. THE DEEPEST WATER WELL WITHIN 1-MILE IS 00 FEET DEEP.

Presently 16 permitted wells @ this pad: this is the only one in which I'll make this comment: OGLA has attached, among other COAs, the Roan Rim NTO and the "daylighting" COAs. This loc. is NOT within the Roan Rim NTO area. However, those COAs are probably a good idea for this location.

### Attachment Check List

Att Doc Num	Name
400132188	FORM 2 SUBMITTED
400132191	PLAT
400132192	MINERAL LEASE MAP
400132193	DEVIATED DRILLING PLAN
400132198	TOPO MAP
400132199	FED. DRILLING PERMIT

Total Attach: 6 Files

### General Comments

User Group	Comment	Comment Date
Permit	add comment deleted plugging number via operator request	2/11/2011 4:38:42 PM

Total: 1 comment(s)

### BMP

Type	Comment

Total: 0 comment(s)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires July 31, 2010

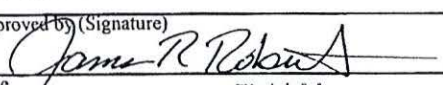
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input type="checkbox"/> DRILL <input type="checkbox"/> REENTER		CONFIDENTIAL		5. Lease Serial No. COC65556
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone				6. If Indian, Allottee or Tribe Name
2. Name of Operator ENCANA OIL & GAS (USA) INC. E-Mail: Julia.Carter@encana.com		Contact: JULIA M CARTER Ph: 720-876-5240 Fx: 720-876-6240		7. If Unit or CA Agreement, Name and No. COC74105X
3a. Address 370 17TH STREET SUITE 1700 DENVER, CO 80202		3b. Phone No. (include area code) Ph: 720-876-5240 Fx: 720-876-6240		8. Lease Name and Well No. DW 8601A-33 P28498
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESE 620FSL 445FEL 39.66778 N Lat, 108.16571 W Lon At proposed prod. zone NENE 100FNL 1310FEL 39.66578 N Lat, 108.16878 W Lon				9. API Well No.
14. Distance in miles and direction from nearest town or post office* 26 MILES				10. Field and Pool, or Exploratory WILDCAT
15. Distance from proposed location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 100'		16. No. of Acres in Lease 640.00		11. Sec., T., R., M., or Blk. and Survey or Area Sec 28 T4S R96W Mer 6PM 33
18. Distance from proposed location to nearest well, drilling, completed, applied for, on this lease, ft. 212'		19. Proposed Depth 12278 MD 12184 TVD		12. County or Parish GARFIELD
21. Elevations (Show whether DF, KB, RT, GL, etc.) 7791 GL		22. Approximate date work will start 04/01/2011		13. State CO
				17. Spacing Unit dedicated to this well
				20. BLM/BIA Bond No. on file
				23. Estimated duration 30 DAYS

24. Attachments

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

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

25. Signature (Electronic Submission)	Name (Printed/Typed) JULIA M CARTER Ph: 720-876-5240	Date 02/09/2011
Title REGULATORY ANALYST		
Approved by (Signature) 	Name (Printed/Typed) James R. Roberts	Date 5/25/2011
Title FOR Field Manager	Office White River Field Office-Meeker, CO	

Application approval does not warrant or certify 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.

APPROVAL TO FLARE GRANTED  
WHITE DRILLING AND TESTING

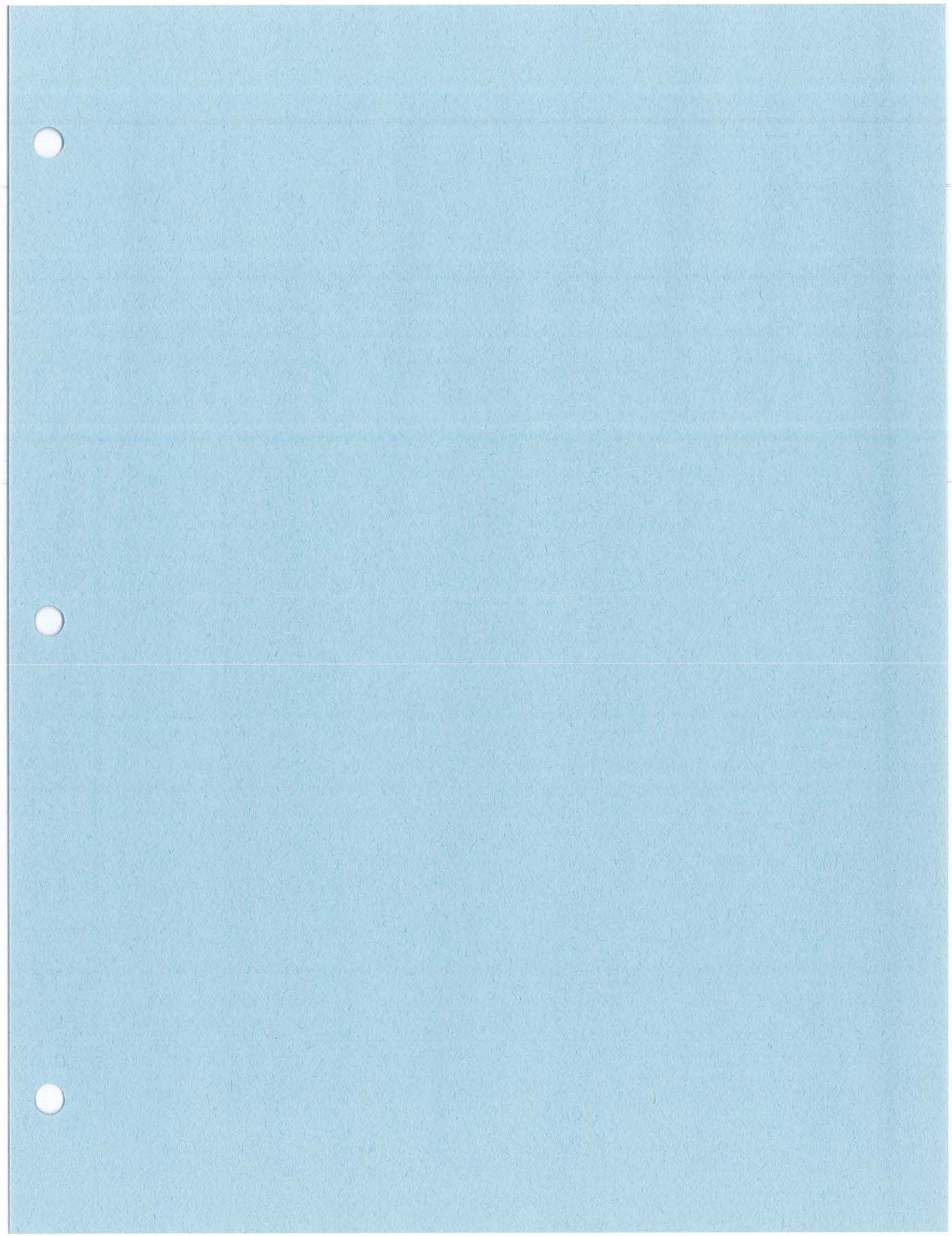
Additional Operator Remarks (see next page)

- REALTY
- PAT Electronic Submission #102328 verified by the BLM Well Information System
- PE 80% 3/2/11 For ENCANA OIL & GAS (USA) INC., sent to the Meeker
- PET Committed to AFMSS for processing by JEANNE NEWMAN on 02/10/2011 ( )
- GEO
- NRS BLP 5/24/11

APPROVED FOR A PERIOD  
NOT TO EXCEED 2 YEARS

AFMSS IN  OUT  \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

operator



# Garfield County Assessor Data Site

Jim Yellico, 109 8th Street, Suite 207

(P) 970.945.9134 | (F) 970.945.3953 | (E) jyellico@garfield-county.com

## Account Information

Account: R260385

Parcel: 191727400012

Owner Name: ENCANA OIL & GAS (USA) INC

Owner Address: 3615 S HURON STREET, SUITE 200, ENGLEWOOD, CO, 80110

Property Address: , PARACHUTE

Legal: Section: 19 Township: 4 Range: 95 SEC 19, LOTS 1 (40.14 AC), 2 (40.21 AC), 3, (40.29 AC), 4 (40.36 AC), E1/2W1/2, E1/2. Section: 20 Township: 4 Range: 95 LOTS 1(40.51 AC), 2(40.42 AC), 3(40.44 AC), 4(40.53 AC), W1/2, SE1/4 Section: 21 Township: 4 Range: 95 NE1/4,NENW, W1/2SW, N1/2SE, SESE Section: 22 Township: 4 Range: 95 E2 Section: 23 Township: 4 Range: 95 E2, W2W2, NENW Section: 24 Township: 4 Range: 95 ALL Section: 25 Township: 4 Range: 95 ALL Section: 26 Township: 4 Range: 95 ALL Section: 27 Township: 4 Range: 95 ALL Section: 28 Township: 4 Range: 95 LOTS 1(40.44AC), 2(40.37AC), 3(40.35AC), NENE, S2NE, S2 Section: 29 Township: 4 Range: 95 ALL Section: 30 Township: 4 Range: 95 LOTS 1(40.33AC), 2(40.21AC), 3(40.07AC) 4(39.94AC), E2W2, E2 Section: 31 Township: 4 Range: 95 LOTS 3(40.10AC), 4(39.82AC), 5(39.42AC), 6 (39.14AC), E2W2, E2 Section: 32 Township: 4 Range: 95 ALL Section: 33 Township: 4 Range: 95 ALL Section: 34 Township: 4 Range: 95 N2, SE Section: 35 Township: 4 Range: 95 ALL

Subdivision:

*Full description pg 2* →

## Sales Information

Date	Deed Type	Doc Number	Grantor	Grantee	Amount
06/30/2004	SWD	655347	UNION OIL COMPANY OF CALIFORN	TOM BROWN, INC	26,445,000

## Taxable Values History

Year	Land Actual	Imp Actual	Total Actual	Land Assessed	Imp Assessed	Total Assessed
2011	314,130		314,130	91,090		91,090
2010	302,210		302,210	87,640		87,640
2009	302,210		302,210	87,640		87,640

## Property Details

Model	Attribute Name	Attribute Value
LAND 0	ABSTRACT_CODE	GRAZING LAND-AGRICULTURAL
	AREA_ACRES	860
	AREA_SQFT	0
	NEIGHBORHOOD	NO.PARACHUTE & E. TOWARD RIFLE
	AG	
LAND 1	ABSTRACT_CODE	GRAZING LAND-AGRICULTURAL
	AREA_ACRES	12170.33
	AREA_SQFT	0
	NEIGHBORHOOD	NO.PARACHUTE & E. TOWARD RIFLE
	AG	

Created on 06/13/2011 at 01:49 PM (MST)

The data represented here is for informational purposes only. Research should be performed at the appropriate office. This is not deemed a legal document.

# Garfield County Assessor Data Site

Jim Yellico, 109 8th Street, Suite 207

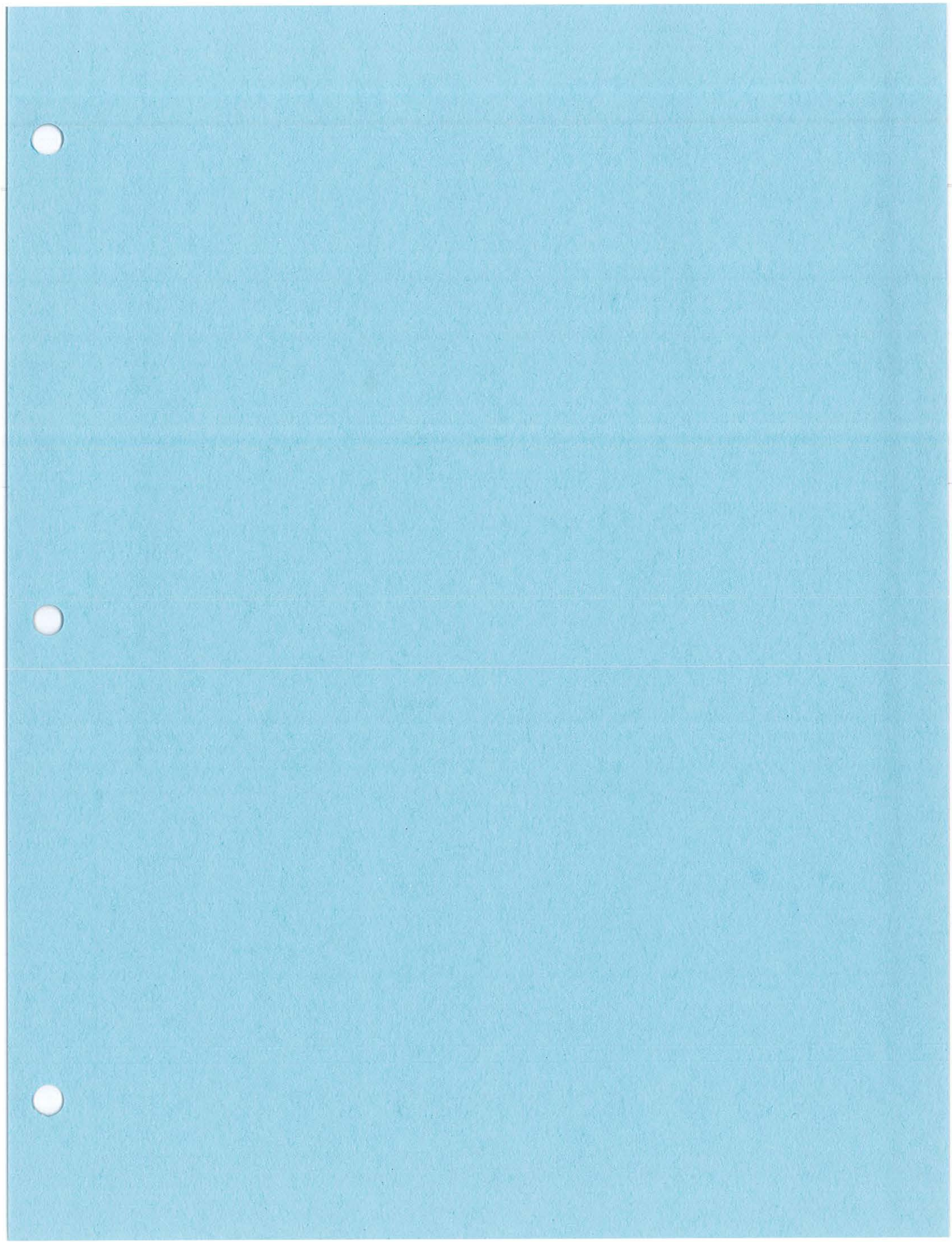
(P) 970.945.9134 | (F) 970.945.3953 | (E) jyellico@garfield-county.com

Model	Attribute Name	Attribute Value
LAND 2	ABSTRACT_CODE	GRAZING LAND-AGRICULTURAL
	AREA_ACRES	1490
	AREA_SQFT	0
	NEIGHBORHOOD	NO.PARACHUTE & E. TOWARD RIFLE
	AG	

LAND 3	ABSTRACT_CODE	GRAZING LAND-AGRICULTURAL
	AREA_ACRES	1280
	AREA_SQFT	0
	NEIGHBORHOOD	NO.PARACHUTE & E. TOWARD RIFLE
	AG	

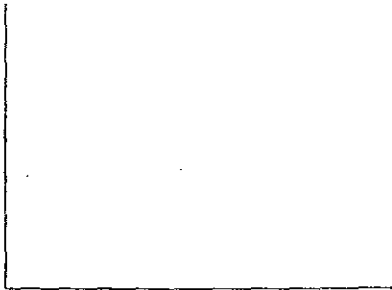
Description: Section: 19 Township: 4 Range: 95 SEC 19, LOTS 1 (40.14 AC), 2 (40.21 AC), 3, (40.29 AC), 4 (40.36 AC), E1/2W1/2, E1/2. Section: 20 Township: 4 Range: 95 LOTS 1(40.51 AC), 2(40.42 AC), 3(40.44 AC) 4(40.53 AC), W1/2, SE1/4 Section: 21 Township: 4 Range: 95 NE1/4,NENW, W1/2SW, N1/2SE, SESE Section: 22 Township: 4 Range: 95 E2 Section: 23 Township: 4 Range: 95 E2, W2W2, NENW Section: 24 Township: 4 Range: 95 ALL Section: 25 Township: 4 Range: 95 ALL Section: 26 Township: 4 Range: 95 ALL Section: 27 Township: 4 Range: 95 ALL Section: 28 Township: 4 Range: 95 LOTS 1(40.44AC), 2(40.37AC), 3(40.35AC), NENE, S2NE, S2 Section: 29 Township: 4 Range: 95 ALL Section: 30 Township: 4 Range: 95 LOTS 1(40.33AC), 2(40.21AC), 3(40.07AC) 4(39.94AC), E2W2, E2 Section: 31 Township: 4 Range: 95 LOTS 3(40.10AC), 4(39.82AC), 5(39.42AC), 6(39.14AC), E2W2, E2 Section: 32 Township: 4 Range: 95 ALL Section: 33 Township: 4 Range: 95 ALL Section: 34 Township: 4 Range: 95 N2, SE Section: 35 Township: 4 Range: 95 ALL Section: 36 Township: 4 Range: 95 ALL Section: 4 Township: 5 Range: 95 LOTS 1(56.67AC), 4(56.71AC), 6(20.0AC), 8(20.0AC), S2N2 Section: 22 Township: 4 Range: 96 LOTS 1(40.44AC), 2(40.34AC),3(42.09AC),4(41.59AC), 5(40.87AC), 6(40.37AC), NW, S2S2 Section: 23 Township: 4 Range: 96 LOTS 1(40.40AC), 2(40.37AC),3(43.07AC),4(42.81AC), 5(42.78AC), 6(42.52AC), NE, S2S2 Section: 24 Township: 4 Range: 96 LOTS 1(40.49AC), 2(40.66AC), 3(40.83AC), 4(41.00AC), S2N2, S2 Section: 25 Township: 4 Range: 96 ALL Section: 26 Township: 4 Range: 96 ALL Section: 27 Township: 4 Range: 96 ALL Section: 28 Township: 4 Range: 96 E2 Section: 33 Township: 4 Range: 96 E2E2, SWNE, W2SE Section: 34 Township: 4 Range: 96 LOTS 1(42.70AC), 2(42.57AC), 3(42.45AC), 4(42.32AC), N2, N2S2 Section: 35 Township: 4 Range: 96 LOTS 1(42.19AC), 2(42.06AC), 3(41.92AC), 4(41.79AC), N2, N2S2 Section: 36 Township: 4 Range: 96 LOTS 1(40.85AC), 2(41.10AC),3(41.34AC),4(41.60AC), 5(40.12AC), 6(40.12AC), S2N2, N2SW EXCEPT A TR OF LAND CONT 675. AC+/- AS DESC IN BK 1253 PG 941 DESC AS FOLLOWS 4-95 SEC. 35 S2. SEC. 36 S2SENE, SESWNE, S2SWSWNE, S2. ALSO A TR OF LAND CONT 673.38 AC+/- AS DESC IN BK 1259 PG 387 US PATENT 05-2001-0010 DESC AS FOLLOWS, 4-95 SEC.22 W2, SEC. 23 SENW, E2SW, SEC. 34 SW. 5-95 SEC.4 LOTS 5 & 7.





AFTER RECORDING, RETURN TO:

EnCana Oil & Gas (USA) Inc.  
950 17<sup>th</sup> Street, Suite 2600  
Denver, Colorado 80202  
Attention: Diane Blieszner, Esq.



SPECIAL WARRANTY DEED

UNION OIL COMPANY OF CALIFORNIA, a corporation duly organized and existing under and by virtue of the laws of the State of California ("**Grantor**"), whose legal address is 376 South Valencia Avenue, Brea, California 92823, for the consideration of Ten and 00/100<sup>th</sup> Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, in hand paid, hereby sells and conveys to TOM BROWN, INC., a corporation duly organized and existing under and by virtue of the laws of the State of Delaware ("**Grantee**"), whose legal address is 555 17<sup>th</sup> Street, Suite 1850, Denver, Colorado 80202, all the real property, together with improvements, if any, situate, lying and being in the County of Garfield and State of Colorado, to wit:

**SEE EXHIBIT A ATTACHED HERETO AND INCORPORATED  
HEREIN BY REFERENCE,**

with all its appurtenances (the "**Real Estate**"), and warrants the title to the same against all persons claiming under Grantor, subject to taxes for the current year, which constitute a lien not yet due or payable, and subject to all matters listed on attached Exhibit B. The preceding warranty is intended by Grantor to be made to Grantee only and is not intended to benefit any future owner or encumbrancer of the property and shall not run with the land.

RESERVATIONS

Grantor and Grantee agree and intend that this instrument shall convey to Grantee all oil, gas and other minerals in and under the Real Estate subject to the following reservations and exceptions. Grantor excepts herefrom such valid mineral interests in the Real Estate (including, without limitation, any mineral estate ownership, oil, gas or mineral lease, royalty, overriding royalty, executive right, production payment, net profits interest or other mineral interest of any kind whatsoever) owned by or in favor of third parties (i) which were recorded prior to the execution date hereof in the appropriate public records of the County or Counties in which all or a portion of the Real Estate are located or (ii) of which Grantee had actual knowledge prior to the execution hereof. Grantee agrees that the mineral interests herein conveyed by Grantor, if any, shall be subject to and shall not include the foregoing described previously existing mineral interests.

4:22.2  
29.2A17

There is further hereby reserved and excepted unto Grantor, its successors and assigns and not conveyed herein a two percent (2%) gross royalty in all oil and gas produced from or attributable to the Real Estate conveyed herein which is produced, mined or otherwise extracted from shale ("Shale Oil") within the Green River Formation from the surface to a depth that is stratigraphically equivalent to the "Orange Marker" within the Garden Gulch member of the Green River Formation., such depth being the stratigraphic equivalent to a depth of 2105' in the Skelly Oil Company #1 Dry Fork Unit well, SW1/4 NW1/4 SE1/4 of Section 25, Township 4 South, Range 97 West of the 6<sup>th</sup> P.M., Garfield County, Colorado. For the avoidance of doubt, the foregoing royalty reserved herein unto Grantor shall entitle Grantor to a cost free share equal to two percent of 8/8ths of all Shale Oil in addition to any previously existing mineral interests or burdens excepted above and is not dependent on the existence (or nonexistence) of any mineral lease covering all or any portion of the Real Estate. Grantor may, at its option and in its sole discretion, elect from time to time to take its royalty share in kind upon giving Grantee at least ninety days prior written notice of such intent.

IN WITNESS WHEREOF, the Grantor has caused its corporate name to be hereunto subscribed by its attorney-in-fact on this 11 day of June, 2004.

UNION OIL COMPANY OF CALIFORNIA,  
a California corporation

By: *Brian J. Kelly*  
Brian J. Kelly, Attorney-in-Fact

STATE OF COLORADO )  
 ) ss.  
CITY AND COUNTY OF DENVER )

Acknowledged before me this 11 day of June, 2004 by Brian J. Kelly, Attorney-in-Fact for Union Oil Company of California, a California corporation.

Witness my hand and official seal.  
[SEAL] PATRICIA S. H...  
STATE OF COLORADO PUBLIC  
My Commission Expires: 3-11-06  
My Commission Expires \_\_\_\_\_

*Patricia S. H...*  
Notary Public



655347 07/02/2004 02:58P B1602 P258 M ALSDORF  
3 of 86 R 496.00 D 2644.50 GARFIELD COUNTY CO

EXHIBIT A

Legal Description

(Real Estate Except Reservoir Parcel and Intake Parcel)

[See attached Schedules 1-A1 through 1-A47]

SCHEDULE 1-A39

Unocal Parcel No. 7647

(Book: 698 at Page: 589  
Recording Date: November 10, 1986  
Grantor: United States of America  
Grantee: Union Oil Company of California)

All of the following described mining claim or premises situate, lying and being in the County of Garfield and State of Colorado, to-wit:

Madge No. 1 Placer Mining Claim,  
Madge No. 2 Placer Mining Claim,  
Madge No. 3 Placer Mining Claim,  
Madge No. 4 Placer Mining Claim,  
Florence No. 1 Placer Mining Claim,  
Florence No. 2 Placer Mining Claim,  
Florence No. 3 Placer Mining Claim,  
Florence No. 4 Placer Mining Claim,  
Florence No. 5 Placer Mining Claim,  
Florence No. 6 Placer Mining Claim,  
Florence No. 7 Placer Mining Claim,  
Florence No. 8 Placer Mining Claim,  
Fay No. 1 Placer Mining Claim,  
Fay No. 2 Placer Mining Claim,  
Fay No. 3 Placer Mining Claim,  
Fay No. 4 Placer Mining Claim,  
Fay No. 5 Placer Mining Claim,  
Fay No. 6 Placer Mining Claim,  
Fay No. 7 Placer Mining Claim,  
Fay No. 8 Placer Mining Claim,  
Hazel No. 1 Placer Mining Claim,  
Hazel No. 2 Placer Mining Claim,  
Hazel No. 3 Placer Mining Claim,  
Hazel No. 4 Placer Mining Claim,  
Hazel No. 5 Placer Mining Claim,  
Hazel No. 6 Placer Mining Claim,  
Hazel No. 7 Placer Mining Claim,  
Hazel No. 8 Placer Mining Claim,  
Edna No. 5 Placer Mining Claim,  
Edna No. 6 Placer Mining Claim,

Edna No. 7 Placer Mining Claim,  
Edna No. 8 Placer Mining Claim,  
Gold Bug No. 1 Placer Mining Claim,  
Gold Bug No. 2 Placer Mining Claim,  
Gold Bug No. 3 Placer Mining Claim,  
Mary Ann No. 1 Placer Mining Claim,  
Mary Ann No. 2 Placer Mining Claim,  
Mary Ann No. 3 Placer Mining Claim,  
Mary Ann No. 4 Placer Mining Claim,  
Mary Ann No. 5 Placer Mining Claim,  
Mary Ann No. 6 Placer Mining Claim,  
Mary Ann No. 7 Placer Mining Claim,  
Mary Ann No. 8 Placer Mining Claim,  
Mary Ann No. 9 Placer Mining Claim,  
Mary Ann No. 10 Placer Mining Claim,  
Mary Ann No. 11 Placer Mining Claim,  
Mary Ann No. 12 Placer Mining Claim,  
Mary Ann No. 13 Placer Mining Claim,  
Mary Ann No. 14 Placer Mining Claim,  
Mary Ann No. 15 Placer Mining Claim,  
Mary Ann No. 16 Placer Mining Claim,  
Mary Ann No. 17 Placer Mining Claim,  
Mary Ann No. 18 Placer Mining Claim,  
Mary Ann No. 19 Placer Mining Claim,  
Mary Ann No. 20 Placer Mining Claim,  
Mary Ann No. 21 Placer Mining Claim,  
Mary Ann No. 22 Placer Mining Claim,  
Mary Ann No. 23 Placer Mining Claim,  
Mary Ann No. 24 Placer Mining Claim,  
Mary Ann No. 25 Placer Mining Claim,  
Mary Ann No. 26 Placer Mining Claim,  
Mary Ann No. 27 Placer Mining Claim,  
Mary Ann No. 28 Placer Mining Claim,  
Mary Ann No. 29 Placer Mining Claim,  
Mary Ann No. 30 Placer Mining Claim,  
Mary Ann No. 31 Placer Mining Claim,  
Mary Ann No. 32 Placer Mining Claim,  
A portion of the Mary Ann No. 33 Placer Mining Claim,  
A portion of the Mary Ann No. 34 Placer Mining Claim,  
A portion of the Mary Ann No. 35 Placer Mining Claim,  
A portion of the Mary Ann No. 36 Placer Mining Claim,  
A portion of the Mary Ann No. 37 Placer Mining Claim,  
A portion of the Mary Ann No. 38 Placer Mining Claim,

A portion of the Mary Ann No. 39 Placer Mining Claim,  
A portion of the Mary Ann No. 40 Placer Mining Claim,

situated in Garfield County, Colorado, described as follows:

Sixth Principal Meridian, Colorado.

T. 4 S., R. 95 W.

Sec. 19, lots 1 through 4, inclusive, E $\frac{1}{2}$ , and E $\frac{1}{2}$ W $\frac{1}{2}$ ;

Sec. 20, lots 1 through 4, inclusive, W $\frac{1}{2}$ , and SE $\frac{1}{4}$ ;

Sec. 28, lots 1 through 3, inclusive, SW $\frac{1}{4}$ , SE $\frac{1}{4}$ , SW $\frac{1}{4}$ NE $\frac{1}{4}$ , SE $\frac{1}{4}$ NE $\frac{1}{4}$  and NE $\frac{1}{4}$ NE $\frac{1}{4}$ ;

Sec. 29, all;

Sec. 30, lots 1 through 4, inclusive, E $\frac{1}{2}$ , and E $\frac{1}{2}$ W $\frac{1}{2}$ ;

Sec. 31, lots 3 through 6, inclusive, E $\frac{1}{2}$ , and E $\frac{1}{2}$ W $\frac{1}{2}$ ;

Sec. 32, all;

Sec. 33, all;

T. 4 S., R. 96 W.,

Sec. 22, lots 1 through 6, inclusive, NW $\frac{1}{4}$ , and S $\frac{1}{2}$ S $\frac{1}{2}$ ;

Sec. 23, lots 1, 2, and lots 4 through 8, inclusive, NE $\frac{1}{4}$ , S $\frac{1}{2}$ SW $\frac{1}{4}$ , and SW $\frac{1}{4}$ SE $\frac{1}{4}$ ;

Sec. 24, lots 1 through 4, inclusive, S $\frac{1}{2}$ N $\frac{1}{2}$ , and S $\frac{1}{2}$ ;

Sec. 25, all;

Sec. 26, all;

Sec. 27, all;

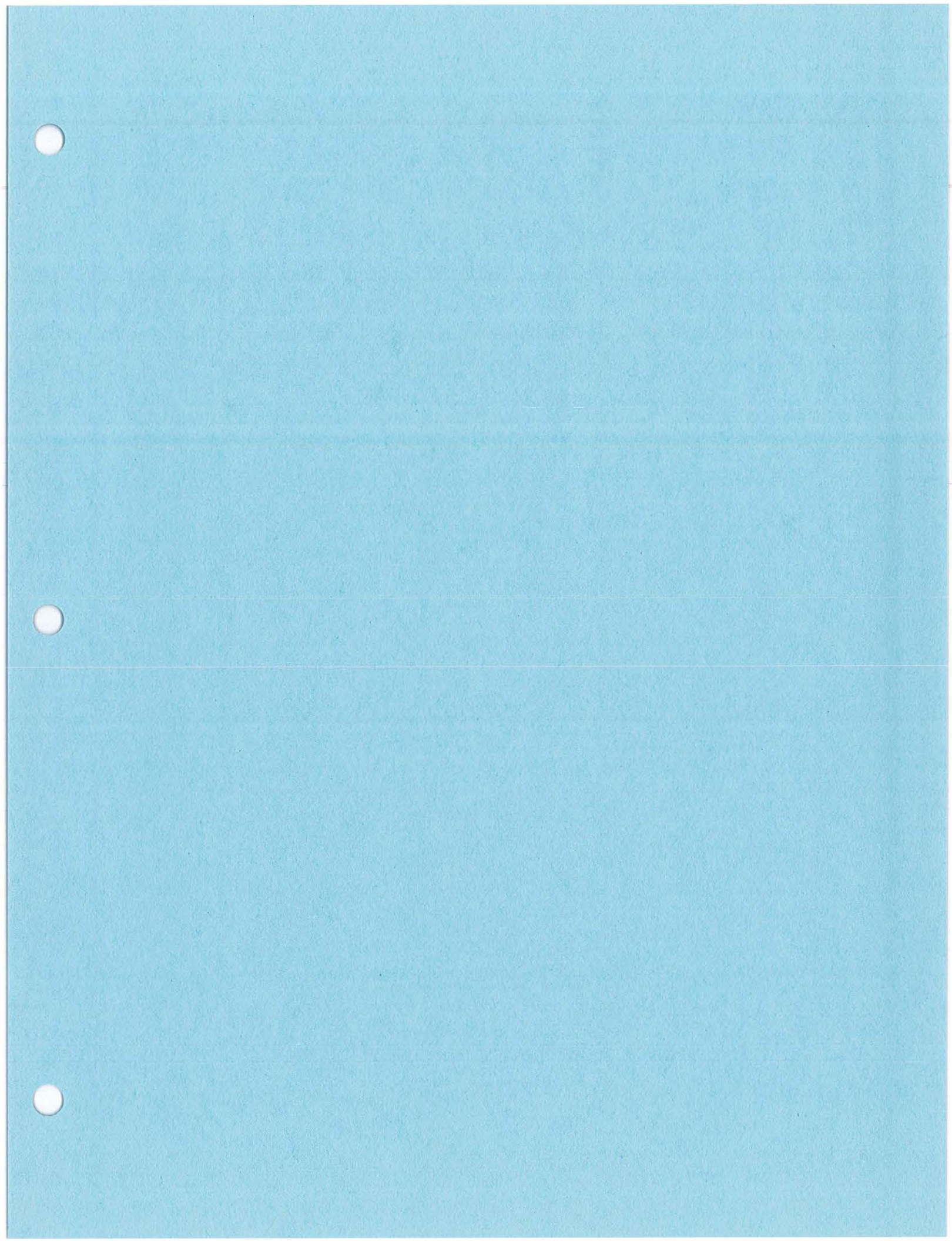
Sec. 28, E $\frac{1}{2}$

Sec. 33, SE $\frac{1}{4}$ ; E $\frac{1}{2}$ NE $\frac{1}{4}$ ; SW $\frac{1}{4}$ NE $\frac{1}{4}$

Sec. 34, lots 1 through 4, inclusive, N $\frac{1}{2}$ , and N $\frac{1}{2}$ S $\frac{1}{2}$ ;

Sec. 35, lots 1 through 4, inclusive, N $\frac{1}{2}$ , and N $\frac{1}{2}$ S $\frac{1}{2}$ ;

Sec. 36, lots 1 through 6, inclusive, S $\frac{1}{2}$ N $\frac{1}{2}$ , and N $\frac{1}{2}$ SW $\frac{1}{4}$ .





**RECORDED CERTIFICATE OF GOOD STANDING**

**RECORDED DELAWARE MERGER DOCUMENT**

Reception#: 780313  
12/16/2008 03:14:00 PM Jean Alberico  
3 of 6 Rec Fee:\$31.00 Doc Fee:0.00 GARFIELD COUNTY CO

DEC-22-2004 WED 04:12 PM

FAX NO. 3038322386

P. 03

State of Delaware  
Secretary of State  
Division of Corporations  
Delivered 06:15 PM 12/22/2004  
FILED 06:15 PM 12/22/2004  
SRV 040934710 - 2137895 FTLF

**STATE OF DELAWARE  
CERTIFICATE OF MERGER OF  
DOMESTIC CORPORATIONS**

Pursuant to Title 8, Section 251(c) of the Delaware General Corporation Law, the undersigned corporation executed the following Certificate of Merger:

**FIRST:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., and the names and jurisdictions of the corporations being merged into this surviving corporation are as follows:

<u>Name</u>	<u>Jurisdiction of Incorporation</u>
Tom Brown, Inc.	Delaware corporation
TBI Pipeline Company	Delaware corporation
TBI West Virginia, Inc.	Delaware corporation

**SECOND:** The Agreement and Plan of Merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations.

**THIRD:** The name of the surviving corporation is EnCana Oil & Gas (USA) Inc., a Delaware corporation.

**FOURTH:** The Certificate of Incorporation of the surviving corporation shall be its Certificate of Incorporation.

**FIFTH:** The merger is to become effective on January 1, 2005.

**SIXTH:** The Agreement and Plan of Merger is on file at 950 17<sup>th</sup> Street, Suite 2600, Denver, Colorado 80202, the place of business of the surviving corporation.

**SEVENTH:** A copy of the Agreement and Plan of Merger will be furnished by the surviving corporation on request, without cost, to any stockholder of the constituent corporations.

**IN WITNESS WHEREOF,** said surviving corporation has caused this certificate to be signed by an authorized officer, the 17th day of December, A.D., 2004.

ENCANA OIL & GAS (USA) INC.

By:   
Mary A. Viviano, Secretary

4. Jurisdiction of formation: Delaware  
(Province - if applicable) (Country - if not US)

5. Principal office mailing address: 370 17th Street, Suite 1700  
(Street name and number or Post Office Box information)

Denver CO 80202  
(City) (State) (Postal Zip Code)

(Province - if applicable) (Country - if not US)

6. The entity will no longer transact business or conduct activities in this state and it relinquishes its authority to transact business or conduct activities in this state.
7. The registration of all trade names registered by the entity with the secretary of state pursuant to §7-70-101, C.R.S. and any assumed entity name pursuant to §7-90-603, C.R.S. are withdrawn upon the filing of this statement.
8. (Optional) Delayed effective date: \_\_\_\_\_  
(mm/dd/yyyy)

Notice:

Causing this document to be delivered to the secretary of state for filing shall constitute the affirmation or acknowledgment of each individual causing such delivery, under penalties of perjury, that the document is the individual's act and deed, or that the individual in good faith believes the document is the act and deed of the person on whose behalf the individual is causing the document to be delivered for filing, taken in conformity with the requirements of part 3 of article 90 of title 7, C.R.S., the constituent documents, and the organic statutes, and that the individual in good faith believes the facts stated in the document are true and the document complies with the requirements of that Part, the constituent documents, and the organic statutes.

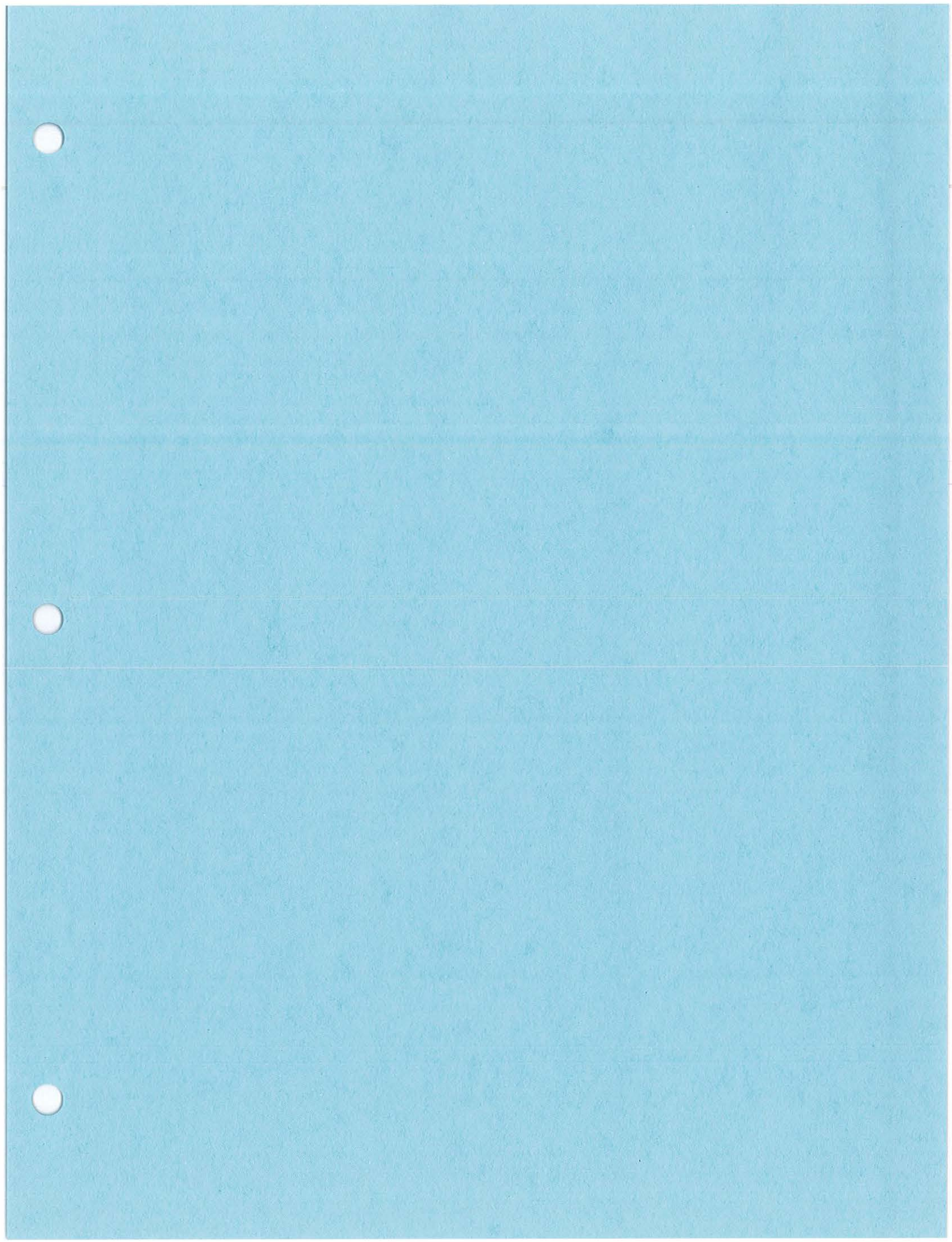
This perjury notice applies to each individual who causes this document to be delivered to the secretary of state, whether or not such individual is named in the document as one who has caused it to be delivered.

9. Name(s) and address(es) of the individual(s) causing the document to be delivered for filing:

Given	Surn	A	
<small>(Last)</small>	<small>(First)</small>	<small>(Initial)</small>	<small>(Suffix)</small>
<u>Walborn Sullivan Mark &amp; Tooley, P.C.</u>			
<small>(Street name and number or Post Office Box information)</small>			
<u>821 17th Street, Suite 600</u>			
<u>Denver</u>	<u>CO</u>	<u>80202</u>	
<small>(City)</small>	<small>(State)</small>	<small>(Postal Zip Code)</small>	
<small>(Province - if applicable)</small>		<small>(Country - if not US)</small>	

(The document need not state the true name and address of more than one individual. However, if you wish to state the name and address of any additional individuals causing the document to be delivered for filing, mark this box  and include an attachment stating the name and address of each individual.)

Disclaimer:  
 This form, and any related instructions, are not intended to provide legal, business or tax advice, and are offered as a public service without representation or warranty. While this form is believed to satisfy minimum



STATEMENT OF AUTHORITY

Pursuant to C.R.S. §38-30-172, the undersigned executes this Statement of Authority on behalf of Encana Oil & Gas (USA) Inc., a corporation (corporation, limited liability company, general partnership, registered limited liability partnership, registered limited liability limited partnership, limited partnership association, government agency, trust or other), an entity other than an individual, capable of holding title to real property (the "Entity"), and states as follows:

The name of the Entity is Encana Oil & Gas (USA) Inc. and is formed under the laws of of the State of Delaware.

The mailing address for the Entity is 370 17th Street, Suite 1700  
Denver, CO 80202.

The name and/or position of the person authorized to execute instruments conveying, encumbering, or otherwise affecting title to real property on behalf of the Entity is Renata Busch, Jason Eckman, Mike Herndon, and Brett Crabb.

The limitations upon the authority of the person named above or holding the position described above to bind the Entity are as follows: sign permit applications and permits issued by Garfield County

(if no limitations, insert "None")

Other matters concerning the manner in which the Entity deals with any interest in real property are: \_\_\_\_\_

(if no other matter, leave this section blank)

EXECUTED this 14 day of April, 2011

Signature: [Handwritten Signature]

Name (typed or printed): Darrin J. Henke

Title (if any): Vice-President TMB

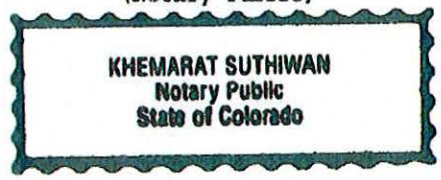
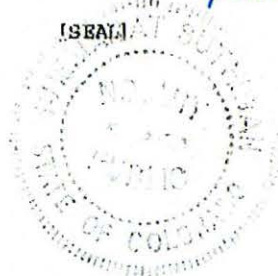
STATE OF Colorado )  
 ) SS.  
COUNTY OF Denver )

The foregoing instrument was acknowledged before me this 14 day of April, 2011 by Darrin J. Henke, on behalf of Encana Oil & Gas (USA) Inc., a Delaware Corporation

Witness my hand and official seal.

My commission expires: April 13, 2014

[Handwritten Signature]  
(Notary Public)



05/09

Back

**GARFIELD COUNTY BUILDING AND PLANNING DEPARTMENT**

**PAYMENT AGREEMENT FORM**

*(Shall be submitted with application)*

GARFIELD COUNTY (hereinafter COUNTY) and Encana Oil & Gas (USA) Inc.  
\_\_\_\_\_ Property Owner (hereinafter OWNER) agree as follows:

1. OWNER has submitted to COUNTY an application for \_\_\_\_\_  
Minor Temporary Employee Housing (DW P38 496) (hereinafter, THE PROJECT).

2. OWNER understands and agrees that Garfield County Resolution No. 98-09, as amended, establishes a fee schedule for each type of subdivision or land use review applications, and the guidelines for the administration of the fee structure.

3. OWNER and COUNTY agree that because of the size, nature or scope of the proposed project, it is not possible at this time to ascertain the full extent of the costs involved in processing the application. OWNER agrees to make payment of the Base Fee, established for the PROJECT, and to thereafter permit additional costs to be billed to OWNER. OWNER agrees to make additional payments upon notification by the COUNTY when they are necessary as costs are incurred.

4. The Base Fee shall be in addition to and exclusive of any cost for publication or cost of consulting service determined necessary by the Board of County Commissioners for the consideration of an application or additional COUNTY staff time or expense not covered by the Base Fee. If actual recorded costs exceed the initial Base Fee, OWNER shall pay additional billings to COUNTY to reimburse the COUNTY for the processing of the PROJECT mentioned above. OWNER acknowledges that all billing shall be paid prior to the final consideration by the COUNTY of any land use permit, zoning amendment, or subdivision plan.

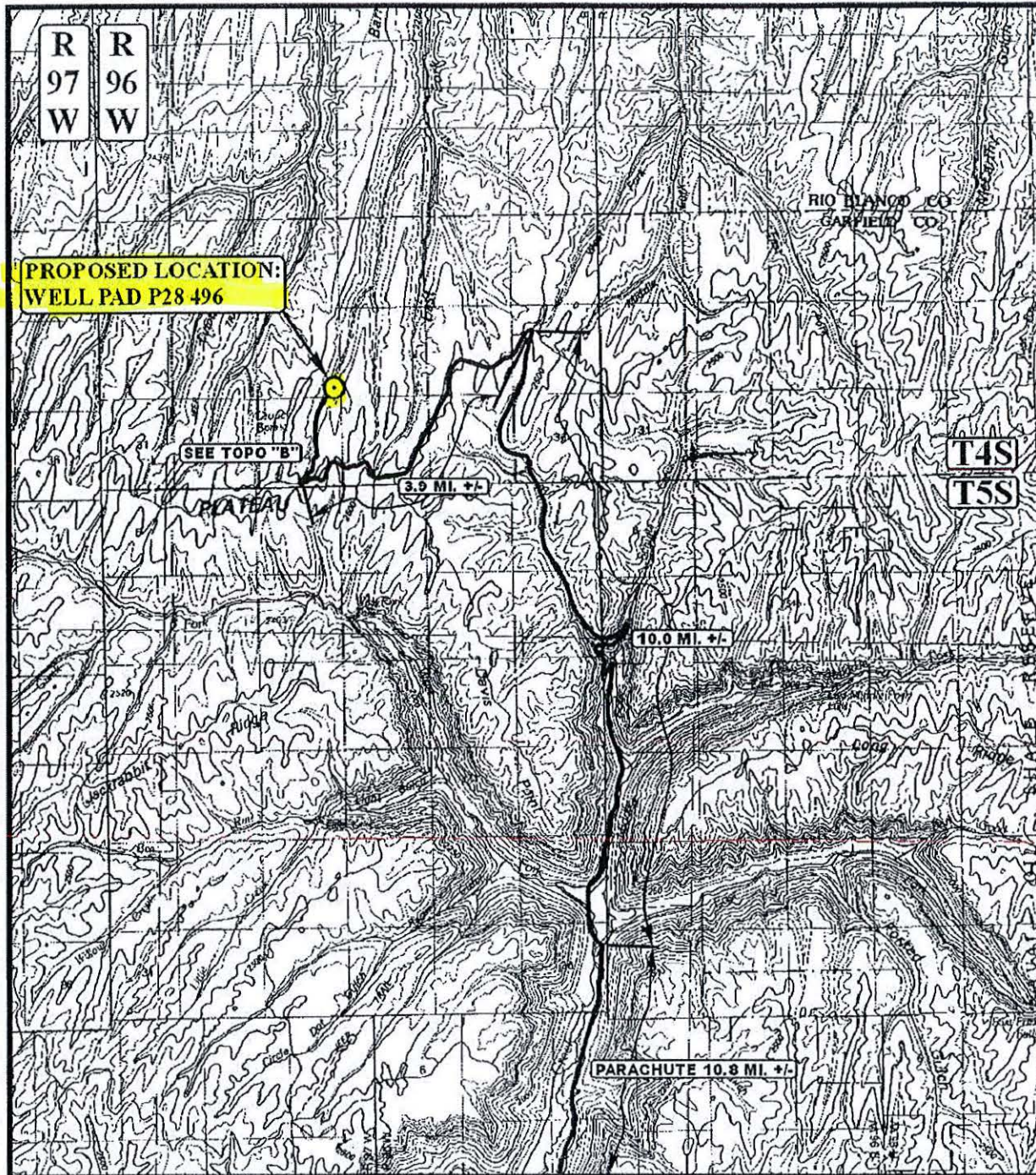
**PROPERTY OWNER (OR AUTHORIZED REPRESENTATIVE)**

Jason Eckman  
Signature

JUNE 14, 2011  
Date

Jason Eckman  
Print Name

Mailing Address: 2717 County Road 215  
Parachute, CO 81635  
\_\_\_\_\_



**LEGEND:**

⊙ EXISTING LOCATION

**Encana OIL & GAS (USA) INC.**

**WELL PAD P28 496**  
**SECTION 28, T4S, R96W, 6th P.M.**  
**SE 1/4 SHEET 8 of 11**

**U&L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

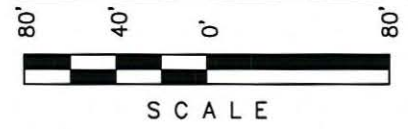


ACCESS ROAD MAP  
 09 30 10  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: Z.L. REVISED: 01-10-11





**Encana OIL & GAS (USA) INC.**  
**TEMPORARY HOUSING SITE PLAN FOR**  
**WELL PAD P28 496**  
**SECTION 28, T4S, R96W, 6th P.M.**  
**SE 1/4**



Sheet 5a of 11



SCALE: 1" = 80'  
 DATE: 07-01-11  
 DRAWN BY: C.H.  
 Revised: 07-08-11 D.R.B.

**SURFACE OWNERSHIP**

ENCANA OIL & GAS (USA) INC.  
 370 17th Street, Suite 1700  
 Denver, Colorado 80202  
 Phone: 303-623-2300

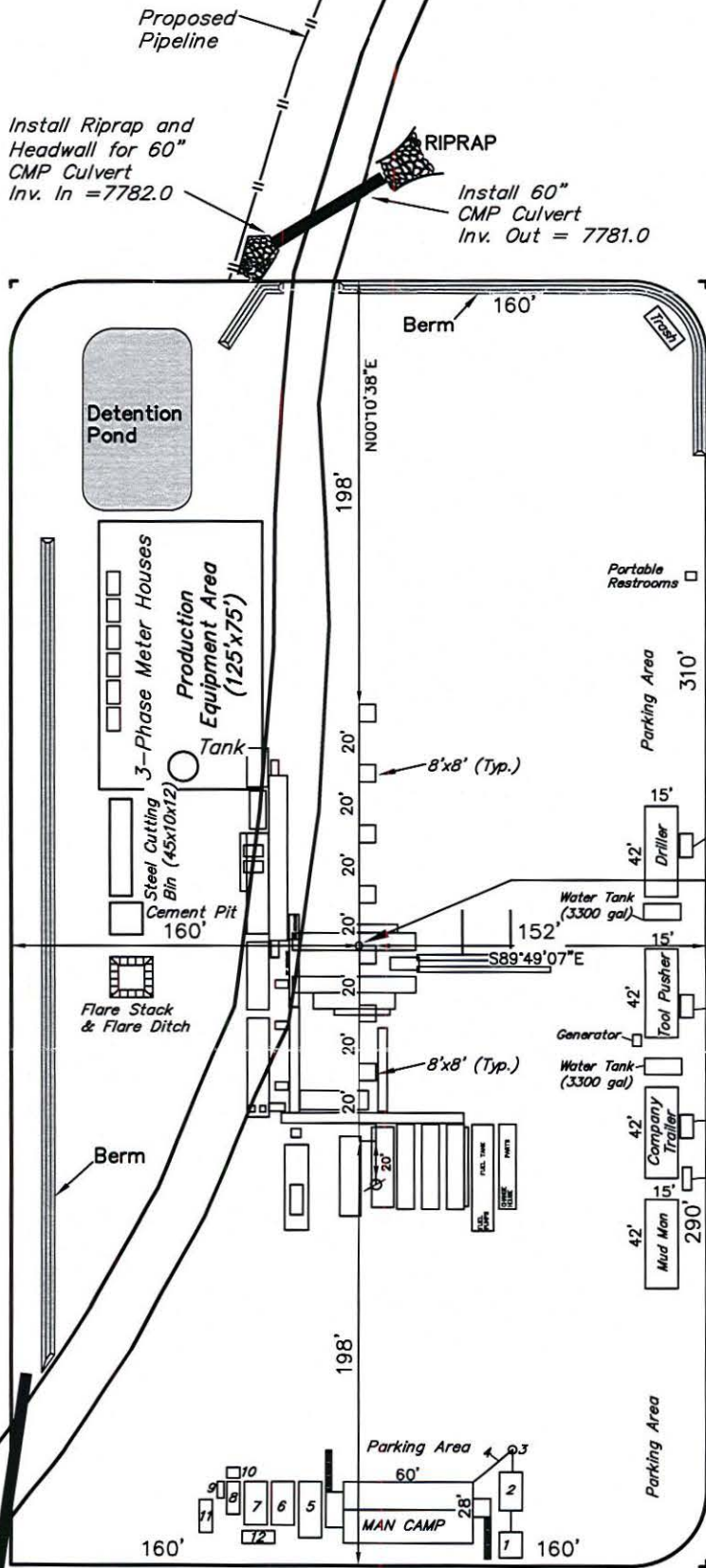
**24 HOUR RESPONSE CONTACT INFORMATION**

1. Encana Gas Control  
(970) 285-2615
2. Encana Safety on Call  
(970) 210-8755
3. Bruce Neatherlin-Drilling Coord.  
Work: (970) 285-2710  
Cell: (970) 309-7015  
Sat: (800) 441-5804
4. Clyde Marks-Completions Coord.  
Work: (970) 285-2681  
Cell: (970) 309-3061
5. Garfield County Dispatch  
(970) 625-8095
6. St. Mary's CareFlight Helicopter  
(970) 332-4923
7. Poison Control Hotline  
(800) 222-1222
8. CHEMTREC  
(800) 424-9300
9. Grand Valley Fire Protection District  
(970) 285-9119

**NOTE:**  
 Flare Pit is to be located a min. of 100' from the Well Head.

**LEGEND:**

- 1 - OVERFLOW (2000 gal)
- 2 - SEWER TANK (2000 gal)
- 3 - LIFT STATION
- 4 - SEWER LINE
- 5 - WATER TANK (4200 gal)
- 6 - FREEZER
- 7 - STORAGE
- 8 - GENERATOR
- 9 - FUEL
- 10 - TRANSFORMER
- 11 - BEAR PROOF TRASH CANS (2) 30 GALLON.
- 12 - WATER TANK\_FIRE SUPPRESSION (3300 gal)



**Coordinates:**

(NAD 83) - DW 8603A-33 P29 496  
 Latitude: 39°40'0402" (39.667783°)  
 Longitude: 108°09'56.66" (108.165739°)

**LEGEND:**

- ST - Septic Tank
- G - Generator
- WT - Water Tank

**ANTICIPATED INSTALLATION & REMOVAL DATES of Water Tank, Containers, Sewage Storage:**

Installation Date: July 30, 2011  
 or within 3 days of Approval.  
 Removal Date: June 20, 2012  
 Duration on Site: 320 DAYS

**DRIVING DIRECTIONS**

FROM PARACHUTE, COLORADO, PROCEED IN A NORTHWESTERLY DIRECTION ALONG GARFIELD COUNTY ROAD 215 APPROXIMATELY 10.8 MILES TO A STAFFED GUARD STATION AT THE JUNCTION OF THIS ROAD WITH AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO A STAFFED GUARD STATION, CONTINUE ON THIS ROAD APPROXIMATELY 6.7 MILES TO THE JUNCTION OF THIS ROAD WITH AN EXISTING ROAD SOUTHWEST; TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 1.2 MILES TO WELL PAD P28.

TOTAL DISTANCE FROM PARACHUTE, COLORADO, TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 25.9 MILES.

NOTE: SEE TOPO A & B FOR VICINITY MAP.

SCALE: 1" = 80'  
 DATE: 07-12-10  
 DRAWN BY: C.H.  
 REV: 08-10-10  
 REV: 10-06-10  
 REV: 11-16-10  
 REV: 12-13-10  
 REV: 12-27-10  
 REV: 01-11-11  
 REV: 01-25-11  
 REV: 03-04-11  
 REV: 03-11-11  
 REV: 03-14-11  
 REV: 03-31-11  
 REV: 04-19-11  
 Rev: 07-08-11 D.R.B.

**Encana OIL & GAS (USA) INC.**  
 SURFACE DISTURBANCE AREA FOR  
 WELL PAD P28 496  
 SECTION 28, T4S, R96W, 6th P.M.  
 SE 1/4

80' 40' 0' 80'  
 SCALE  
 Sheet 7 of 11



**NOTE:**  
 Wattle to be installed  
 25' downhill of slash  
 and topsoil stockpile.

**NOTE:**  
 Off-site drainage areas were  
 determined using USGS topo  
 from Cutoff Gulch, Colorado  
 Quad map (2010).

**NOTE:**  
 Compact in 6" lifts  
 and seed ECB infilled  
 with Flexterra.

**SWMP LEGEND:**

- CD - CHECK DAM
- ECB - EROSION CONTROL  
BLANKET
- LS - LEVEL SPREADER
- SCE - STABILIZED  
CONSTRUCTION  
ENTRANCE
- SedR - SEDIMENT  
RESERVOIR
- SL - SLASH
- ST - SEDIMENT TRAP
- T - TERRACING
- TB - TOE BERM
- VB - VEGETATED BUFFER
- W - WATTLE
- ECB INFILLED  
WITH FLEXTERRA

**LEGEND:**

- 1 - OVERFLOW (2000 gal)
- 2 - SEWER TANK (2000 gal)
- 3 - LIFT STATION
- 4 - SEWER LINE
- 5 - WATER TANK (4200 gal)
- 6 - FREEZER
- 7 - STORAGE
- 8 - GENERATOR
- 9 - FUEL
- 10 - TRANSFORMER
- 11 - BEAR PROOF  
TRASH CANS  
(2) 30 GALLON.
- 12 - WATER TANK\_FIRE  
SUPPRESSION (3300 gal)

4.11 Ac. to Deten. Pond #1  
 4,000 cu.ft./Ac. Pad  
 Vol. = 16,440 cu.ft.  
 L= 85', W=50', D=8'

Topsoil Berm

80 Ac. to Sed. Res. #3  
 3,600 cu.ft./Ac. Drainage  
 Vol. = 3,000 cu.ft.  
 L= 50', W=25', D=6'

**NOTE:**  
 Stormwater BMP's  
 to be added to  
 road re-route.

430 Ac. to Sed. Res. #4  
 3,600 cu.ft./Ac. Drainage  
 Vol. = 10,000 cu.ft.  
 L= 80', W=40', D=10'

Proposed Pipeline  
 Install 60"  
 CMP Culvert  
 Inv. Out = 7781.0

Install Riprap and  
 Headwall for 60"  
 CMP Culvert  
 Inv. In = 7782.0

715 Ac. to Sed. Res. #1  
 3,600 cu.ft./Ac. Drainage  
 Vol. = 30,000 cu.ft.  
 L= 140', W=60', D=9'

0.09 Ac. to Sed. Res. #2  
 3,600 cu.ft./Ac. Drainage  
 Vol. = 324 cu.ft.  
 L= 20', W=10', D=4'

Install 64"x43"  
 Arch-Pipe Culvert  
 Inv. In = 7786.5

Cut Slope Diversion  
 Q<sub>50</sub>=50.1 cfs, L=590'  
 1:1 Side Slopes  
 W<sub>b</sub>=6.0', D<sub>b</sub>=3.0'  
 V = 6.1 fps

LINE	DIRECTION	LENGTH
L1	N52°05'06"E	125.96'
L2	N77°38'11"E	76.50'
L3	N89°03'39"E	86.57'
L4	S12°38'44"W	83.36'
L5	S34°20'46"E	65.87'
L6	S12°31'46"W	49.11'
L7	S07°26'38"E	224.10'
L8	S04°52'04"E	232.09'
L9	S24°33'42"E	144.77'
L10	S14°38'03"W	198.22'
L11	S83°06'50"W	168.93'
L12	N61°06'30"W	166.78'
L13	N18°13'25"E	75.74'
L14	N40°59'08"W	58.31'
L15	S77°22'55"W	159.63'
L16	N47°23'45"W	82.17'
L17	N28°10'54"E	167.15'
L18	N02°38'43"W	172.66'
L19	N28°03'28"W	110.92'
L20	N09°07'39"E	265.94'
L21	N72°35'30"E	74.42'
L22	S68°02'55"E	91.44'

**APPROXIMATE ACREAGES**  
 WELL SITE DISTURBANCE = ± 9.334 ACRES  
 ACCESS ROAD DISTURBANCE = ± 6.064 ACRES  
 PIPELINE DISTURBANCE = ± 3.320 ACRES  
 TOTAL = ± 18.718 ACRES

UINTAH ENGINEERING & LAND SURVEYING  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

# Encana OIL & GAS (USA) INC.

F25 496 MANCAMP To be used for P28 496 Camp

LOCATED IN GARFIELD COUNTY, COLORADO

SECTION 25, T4S, R96W, 6th P.M.

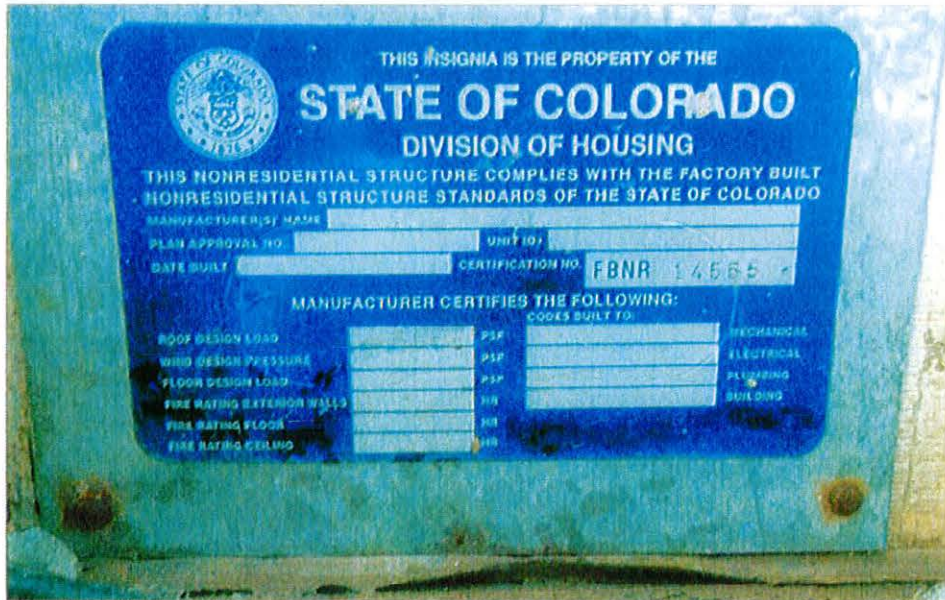


PHOTO: TRAILER #1 TAG



PHOTO: TRAILER #3 TAG



**U  
E  
L  
S**

Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

- Since 1964 -

LOCATION PHOTOS

04 30 10  
 MONTH DAY YEAR

PHOTO

P1

TAKEN BY: D.K.

DRAWN BY: J.H.

REV: 04-19-11 J.L.G.

# Encana OIL & GAS (USA) INC.

**F25 496 MANCAMP** To be used for P28 496 Camp  
**LOCATED IN GARFIELD COUNTY, COLORADO**  
**SECTION 25, T4S, R96W, 6th P.M.**

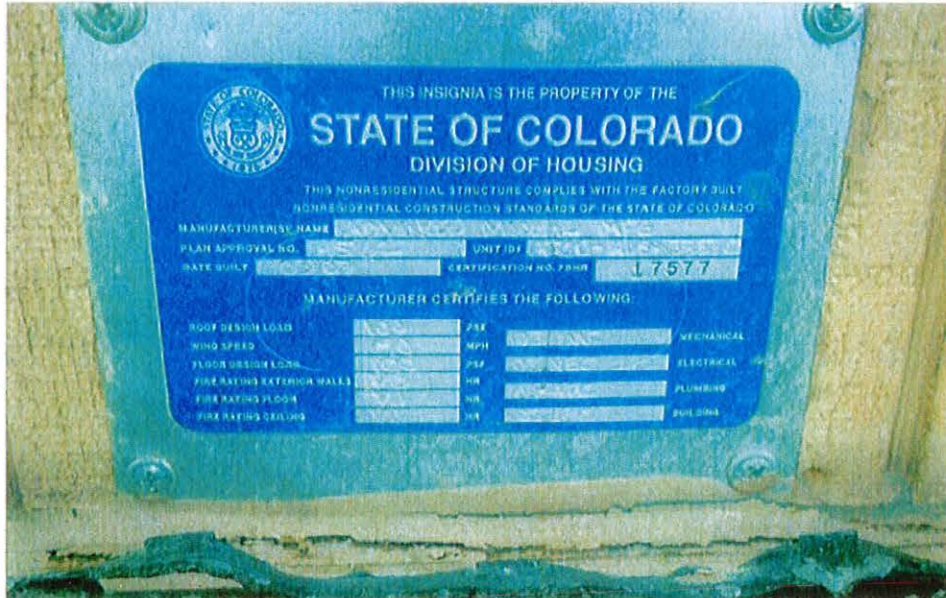


PHOTO: TOP WESTERLY MAN CAMP TRAILER TAG



PHOTO: TRAILER #5 TAG



**UELS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

<b>LOCATION PHOTOS</b>	<b>04</b> MONTH	<b>30</b> DAY	<b>10</b> YEAR	<b>PHOTO</b>
TAKEN BY: D.K.	DRAWN BY: J.H.		REV: 04-19-11 J.L.G.	<b>P2</b>

# Encana OIL & GAS (USA) INC.

F25 496 MANCAMP To be used for P28 496 Camp  
 LOCATED IN GARFIELD COUNTY, COLORADO  
 SECTION 25, T4S, R96W, 6th P.M.

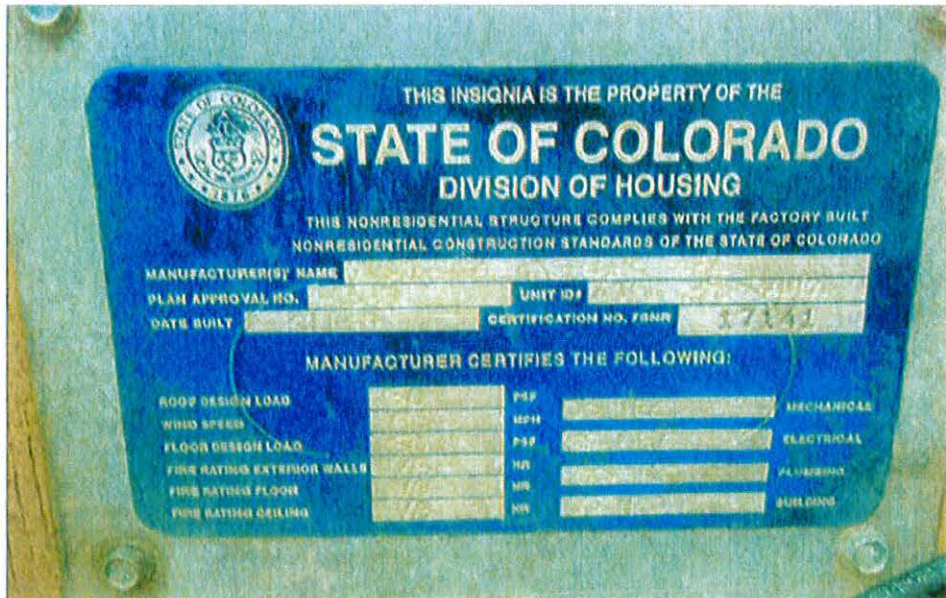


PHOTO: TRAILER #5 TAG

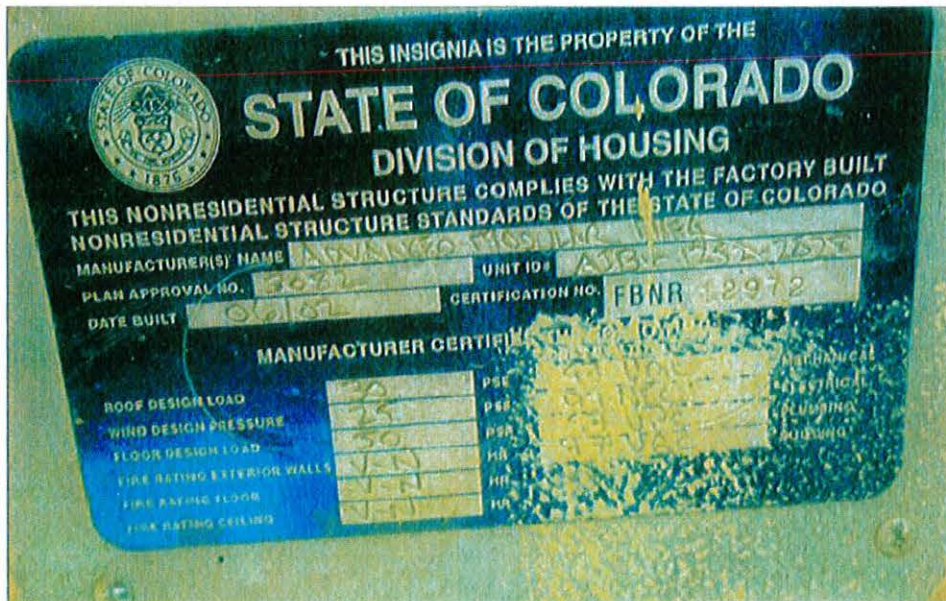


PHOTO: TRAILER #6 TAG



**U&L** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS			04	30	10	PHOTO P3
			MONTH	DAY	YEAR	
TAKEN BY: D.K.		DRAWN BY: J.H.		REV: 04-19-11J.L.G.		

# Encana OIL & GAS (USA) INC.

**F25 496 MANCAMP To be used for P28 496 Camp**  
**LOCATED IN GARFIELD COUNTY, COLORADO**  
**SECTION 25, T4S, R96W, 6th P.M.**

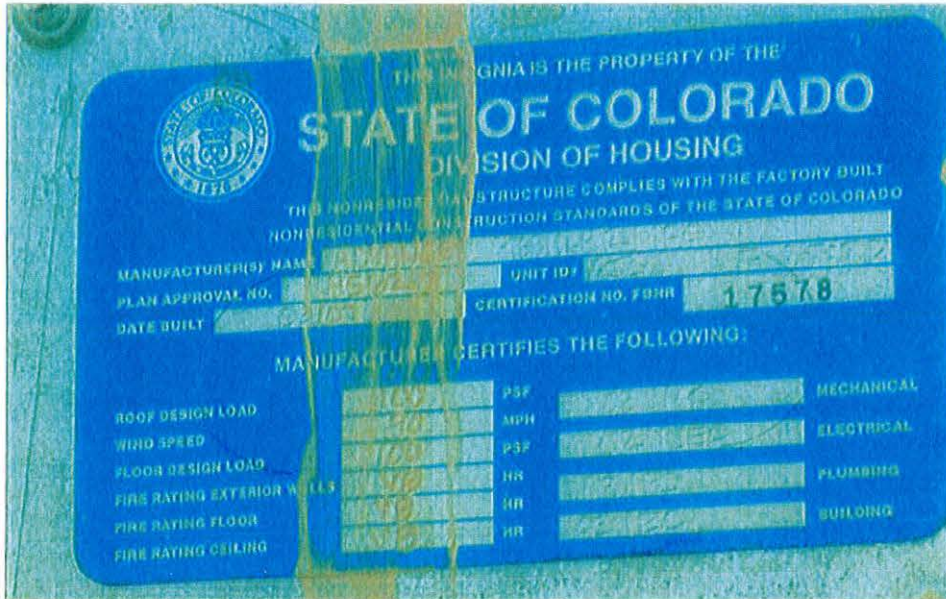


PHOTO: TOPEASTERLY MAN CAMPTRAILER TAG

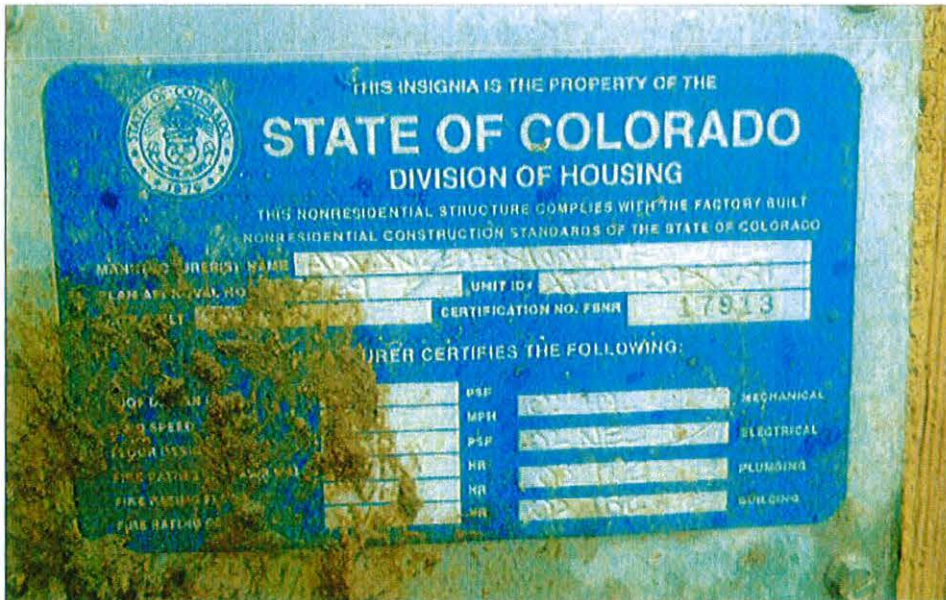


PHOTO: TRAILER #7 TAG



**U E L S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS	04	30	10	PHOTO P4
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: J.J.L.	REV: 04-19-11 J.L.G.		

# Encana OIL & GAS (USA) INC.

**F25 496 MANCAMP** To be used for P28 496 Camp  
**LOCATED IN GARFIELD COUNTY, COLORADO**  
**SECTION 25, T4S, R96W, 6th P.M.**

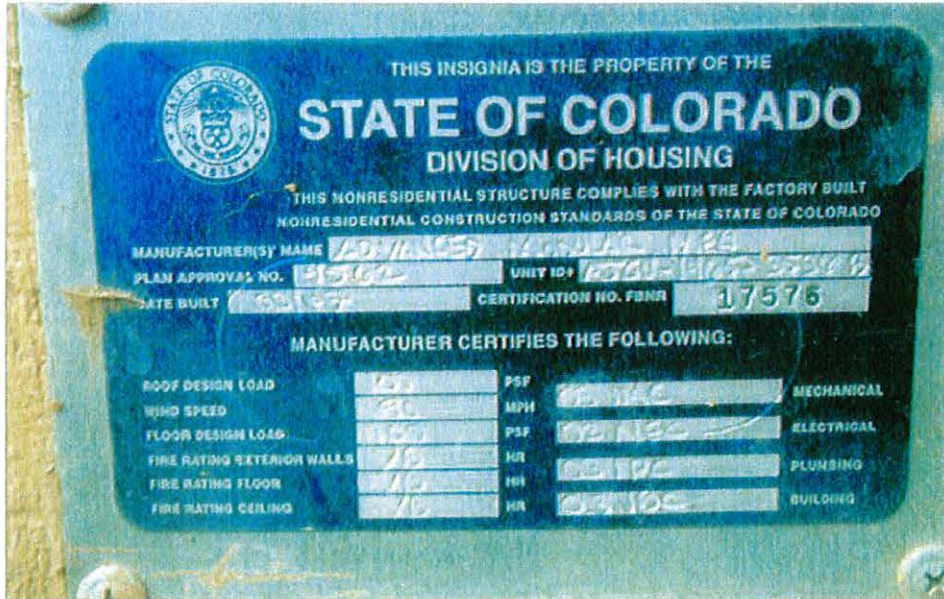


PHOTO: BOTTOM EASTERLY MAN CAMP TRAILER TAG

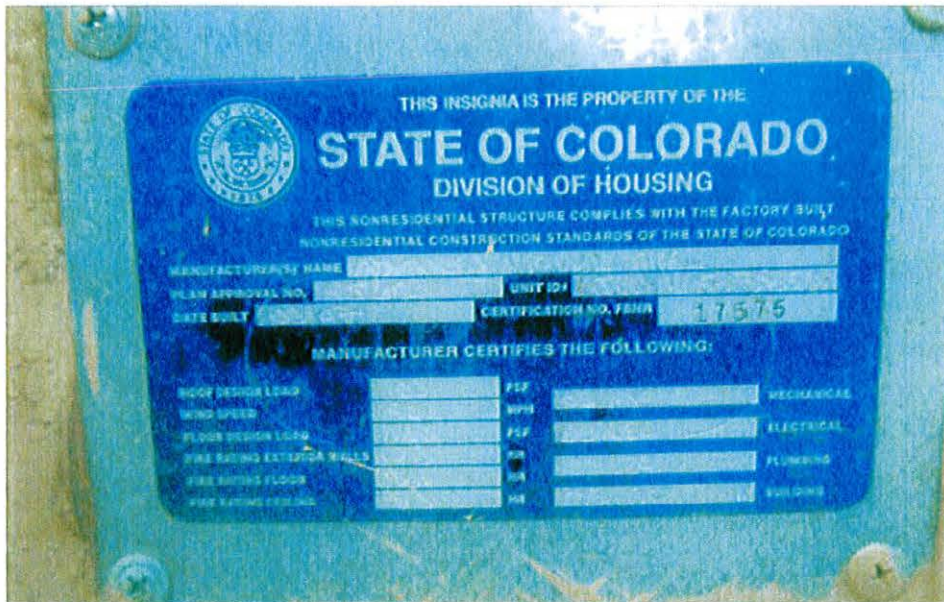


PHOTO: BOTTOM WESTERLY MAN CAMP TRAILER TAG



**U  
E  
L  
S** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

LOCATION PHOTOS			04	30	10	PHOTO P5
TAKEN BY: D.K.			MONTH	DAY	YEAR	
DRAWN BY: J.H.			REV: 04 19 11 J.L.G.			





# encana™

natural gas

EnCana Oil & Gas (USA) Inc.  
2717 County Road 215  
Suite 100  
Parachute, CO 81635

tel: (970) 285-2656  
fax: (970) 285-2691  
[jason.eckman@encana.com](mailto:jason.eckman@encana.com)  
[www.encana.com](http://www.encana.com)

June 27, 2011

Fred Jarman  
Garfield County Building and Planning Department  
108 8<sup>th</sup> Street, Suite 401  
Glenwood Springs, CO 81601

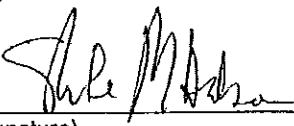
RE: Updated Hauler Affidavit for Minor and Small Temporary Employee Housing on  
COGCC- Approved Well Sites

Dear Mr. Jarman:

Please accept this letter as certification that **Artesian Water Service** provides potable water hauling services for EnCana.


*I certify that Artesian Water Services provides potable water hauling services to EnCana for their temporary housing facilities located in North and South Piceance. Minor and small facilities serviced could include the following rigs and/or any additional future rigs: Patterson 308/326/330, Ensign 158/159, Nabors M11/M15. The water source is a groundwater well in Mesa County*

Registration number is CO # 139156.

	06/27/11
(Signature)	(Date)
Nicholas M. Hudson	Owner
(Print Name)	(Title)

Please contact me if you need additional information.

Sincerely,

  
Jason Eckman  
Permitting / South Rockies Construction

# encana™

natural gas

EnCana Oil & Gas (USA) Inc.  
2717 County Road 215  
Suite 100  
Parachute, CO 81635

tel: (970) 285-2656  
fax: (970) 285-2691  
[jason.eckman@encana.com](mailto:jason.eckman@encana.com)  
[www.encana.com](http://www.encana.com)

June 27, 2011

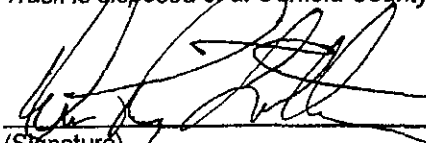
Fred Jarman  
Garfield County Building and Planning Department  
108 8<sup>th</sup> Street, Suite 401  
Glenwood Springs, CO 81601

RE: Updated Hauler Affidavit for Minor and Small Temporary Employee Housing on  
COGCC- Approved Well Sites

Dear Mr. Jarman:

Please accept this letter as certification that **Western Colorado Waste Service** provides trash removal and removal services for EnCana.

*I certify that Western Colorado Waste Service provides trash removal and removal services to EnCana for their temporary housing facilities located in North and South Piceance. Minor and small facilities serviced could include the following rigs and/or any additional future rigs: Patterson 308/326/330, Ensign 158/159, Nabors M11/M15. Trash is disposed of at Garfield County Landfills.*

  
\_\_\_\_\_  
(Signature) 6-29-11  
(Date)

*Troy LATHAM*  
\_\_\_\_\_  
(Print Name) Pres.  
(Title)

Please contact me if you need additional information.

Sincerely,



Jason Eckman  
Permitting / South Rockies Construction

# encana™

natural gas

EnCana Oil & Gas (USA) Inc.  
2717 County Road 215  
Suite 100  
Parachute, CO 81635

tel: (970) 285-2658  
fax: (970) 285-2691  
[jason.eckman@encana.com](mailto:jason.eckman@encana.com)  
[www.encana.com](http://www.encana.com)

June 27, 2011


Fred Jarman  
Garfield County Building and Planning Department  
108 8<sup>th</sup> Street, Suite 401  
Glenwood Springs, CO 81601

RE: *Updated* Hauler Affidavit for Minor and Small Temporary Employee Housing on  
COGCC- Approved Well Sites

Dear Mr. Jarman:

Please accept this letter as certification that **Hutton Organics** provides organic waste removal services for EnCana.

*I certify that Hutton Organics provides organic waste removal services to EnCana for their temporary housing facilities located in North and South Piceance. Minor and small facilities serviced could include the following rigs and/or any additional future rigs: Patterson 308/326/330, Ensign 158/159, Nabors M11/M15. Organics are processed at the S Road Facility, 548 S Road, Mack, Colorado.*

 (Signature)	6-28-11 (Date)
James Hutton (Print Name)	Owner (Title)

Please contact me if you need additional information.

Sincerely,

  
Jason Eckman  
Permitting / South Rockies Construction

# encana™

natural gas

EnCana Oil & Gas (USA) Inc.  
2717 County Road 215  
Suite 100  
Parachute, CO 81635

tel: (970) 285-2656  
fax: (970) 285-2691  
[jason.eckman@encana.com](mailto:jason.eckman@encana.com)  
[www.encana.com](http://www.encana.com)

June 27, 2011

Fred Jarman  
Garfield County Building and Planning Department  
108 8<sup>th</sup> Street, Suite 401  
Glenwood Springs, CO 81601

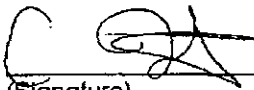
RE: *Updated Hauler Affidavit for Minor and Small Temporary Employee Housing on  
COGCC- Approved Well Sites*

Dear Mr. Jarman:

Please accept this letter as certification that **Next Generation Recycling** provides trash removal and removal services for EnCana.

*I certify that Next Generation Recycling provides trash removal and removal services to EnCana for their temporary housing facilities located in North and South Piceance. Minor and small facilities serviced could include the following rigs and/or any additional future rigs: Patterson 326 /330, Ensign 158/ 159, Nabors M11/M15. Recycling occurs at the Next Generation Recycling facility at 232 Aspen Road, Rifle CO. Unusable materials are disposed of at Garfield County Landfills.*

Registration number is CO \_\_\_\_\_



(Signature)

6/28/11

(Date)

Cameron Lente

(Print Name)

Owner

(Title)

Please contact me if you need additional information.

Sincerely,

Jason Eckman  
Permitting / South Rockies Construction

*Handwritten initials*



Revised 06/16/2011

**SOUTH PICEANCE  
DRILLING RIG GROUP  
Site Safety and Evacuation Plan**

Date: 06.16.2011 Consultant(s): Ira Cox / Randall Burke

RIG: Patterson 308 Pad DW P28 496

Nearest town: Parachute Distance to nearest town: ~26 miles

GPS coordinates: Lat. 39° 40' 5.13 N Long - 108° 9' 56.55 W ELEVATION: 7,791'

Site Directions: I70 Parachute exit. From Parachute travel north on CR215 11 miles to the Encana Guard Gate. Enter gate and make an immediate left and head North 10 miles using the Exxon access road. At top of hill, pass gate and turn left and travel 2.9 miles stay left at Y in the road. After 1.1 miles turn right and proceed 1.2 miles to pad location.

Use Garfield County Dispatch 970-625-8095 for 911 emergency calls -

Muster Location: P28 Location Entrance Rig phone: 303-353-5358

Safe place for Care Flight to land: Establish flight landing spot if needed. Encana ER Coordinator working with Garfield County.

Secondary Escape: Safely exit the location, avoid hazards and meet as a group at designated muster point

**In case of an emergency (Injury, Accident, Fire, Gas Release, or Spill):**

- **Make the 911 emergency call immediately if the situation requires (Call the county dispatch.)**  
County Dispatch will fulfill 911 duties: Fire, Ambulance/Flight for Life, and Sheriff.
- All personnel on location meet at designated meeting place (MUSTER POINT.) Determine that all personnel are accounted for, using the daily log in sheet.
- If safe to do so, perform rescue operations and administer 1st aid.
- If injured person can be safely moved, transport to the nearest hospital. If not, meet and guide the Ambulance/Care Flight to the pre-planned meeting place and direct them to the accident site.
- Assign a designated communication person for phone communication and incident documentation.
- If safe to do so, control the release and contain the spill.
- Evacuate the location and surrounding area as needed.
- Document all information, ie: time of incident, time of reporting, time of response, time any changes occurred w/ incident, description of incident, names of personnel involved, witnesses, estimated spill volumes, etc.
- Inform EnCana Drilling Supervision and EHS as soon as possible for all incidents.

**South Piceance Drilling Supervision:**

- Notify appropriate Emergency Response Agencies
- Keep phone open for communications w/ Emergency Responders and the scene of the incident.
- Notify appropriate Company Groups and Managers.

Frank Merendino	303-819-7319
Bruce Neatherlin	970-309-9712
Steve Henning	303-263-7803
Safety On-Call	970-210-8755
Environmental On-Call	970-319-9173
Gas Control	970-285-2615
Garfield County Emergency Dispatch	970-625-8095
Mesa County Emergency Dispatch	970-242-6707
Grand River Medical Center (ER) (Rifle)	970-625-1510
St. Mary's Hospital (Grand Junction)	970-244-2273
Care Flight (same as St. Mary's)	800-332-4923
CO Rd Conditions/State Patrol (1+)	877-315-7623
Poison Control (1+)	800-332-3073

**encana**<sup>TM</sup>

*natural gas*

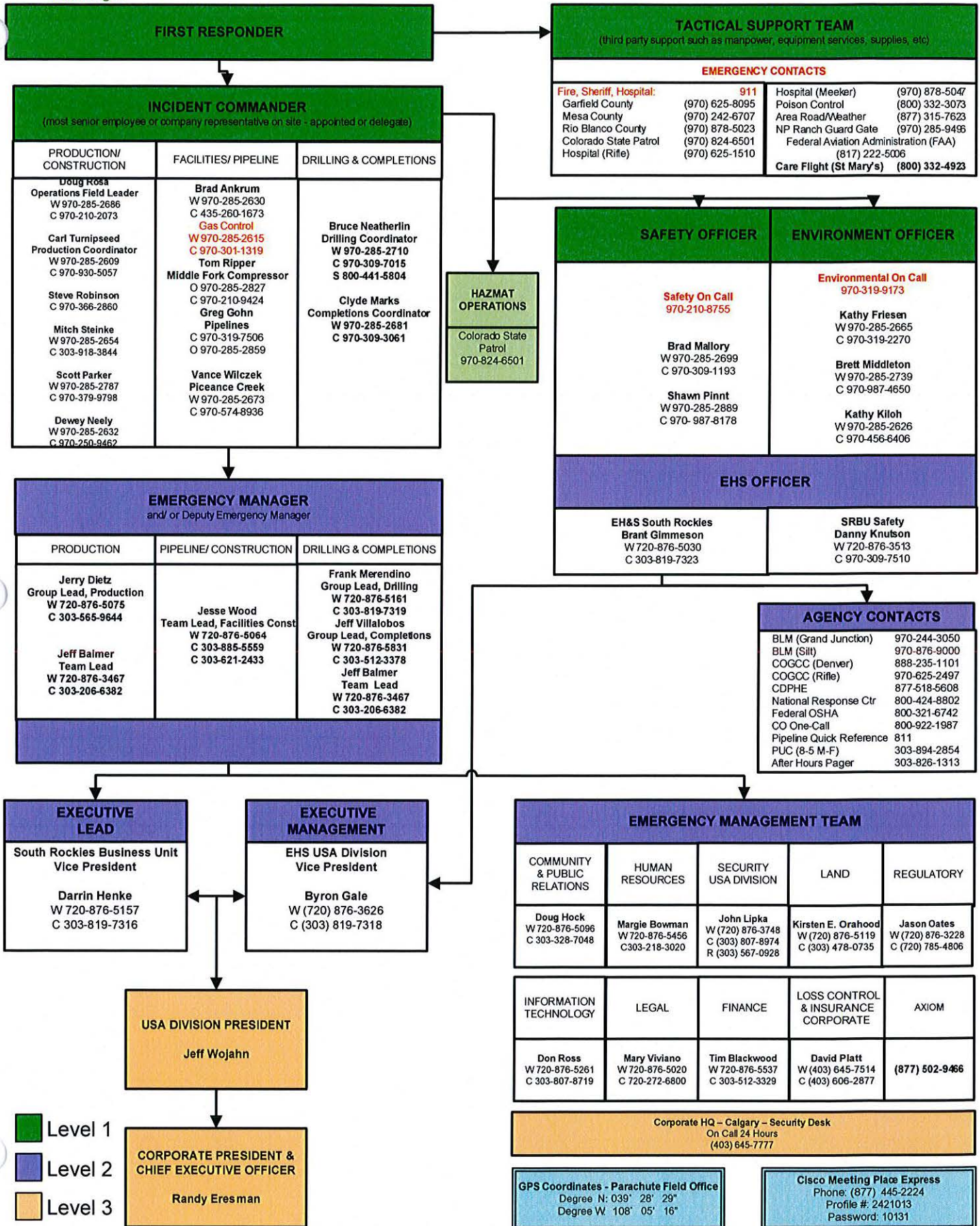
**Piceance  
Emergency  
Response  
Quick Reference  
Guide**

August 2010

Gas Control 970-285-2615  
Safety On Call 970-210-8755  
Environmental On Call 970-319-9173

*(condensed copy for permit submittals)*

Encana's Piceance Emergency Response Plan is on file with  
all applicable Fire Districts






EMERGENCY RESPONSE PLAN  
U.S.A. DIVISION

SRBU EMERGENCY RESPONSE  
REPORTING TEMPLATE

Document No:  
ERP-0042 SRBU  
Revised By/Date:  
Reviewed By/Date:  
ERPComm/05 26 2010  
Approved By/Date:  
ERPComm/05 26 2010

<i>SBU:</i>	_____
<i>Name of Event:</i>	_____
<i>Date:</i>	_____ <b>2010</b>
<i>Location:</i>	_____
<i>Secured:</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<i>Town, State:</i>	_____
1. Time of the call.	_____ : _____ (Military Time)
2. What is the location of the emergency? What has happened?	Location?: _____ What Happened?: _____
3. Has anyone been hurt?	<input type="checkbox"/> No <input type="checkbox"/> Yes If so, Who? _____ How? _____
4. Who is the most senior Encana or Company representative on location?	_____
5. Who is the most senior Encana or company representative on location who will be the <b>INCIDENT COMMANDER</b> ? Do they have the proper Incident Commander Training?	_____
6. Based on your assessment, what Level of Emergency are you declaring?	Level 1 <input type="checkbox"/> Level 2 <input type="checkbox"/> Level 3 <input type="checkbox"/>
7. Who are you appointing as <b>OPERATION CHIEF</b> ?	_____
8. Do not respond to a man down, or to the emergency, until you have completed a <b>Risk Assessment</b> , gained control and understanding of the emergency, and can assure life safety of the responders	Have you completed a Risk Assessment? N <input type="checkbox"/> Y <input type="checkbox"/>



	<b>EMERGENCY RESPONSE PLAN</b> <b>U.S.A. DIVISION</b>	Document No: ERP-0042 SRBC
	<b>SRBC EMERGENCY RESPONSE</b> <b>REPORTING TEMPLATE</b>	Revised By/Date:  Reviewed By/Date: LRPComm/05.26.2010 Approved By/Date: LRPComm/05.26.2010

9. Are there <b>FIRST RESPONDERS</b> on location?	<input type="checkbox"/> No <input type="checkbox"/> Yes Time of Arrival: _____ : _____ Who arrived? _____
10. Have you set up an <b>INCIDENT COMMAND POST</b> , if so, where?	<input type="checkbox"/> No <input type="checkbox"/> Yes Location of the Incident Command Center? _____
11. Based on your initial assessment, what is your proposed preliminary response strategy?	_____ _____
12. I will act as <b>EMERGENCY MANAGER</b> , and activate the EOC. Plan on calling in to the EOC, using the <b>Emergency Notification Conference Call Number</b> , within 15 minutes.	Emergency Manager Activated at: _____ Emergency Operations Center Activated at: _____ We will be using EOC Conference Line: <b>EOC 1 and EOC 2:</b> 1-877-445-1221 <b>EOC 1:</b> <input type="checkbox"/> Profile # 2121013 Password 10131 <b>EOC 2:</b> <input type="checkbox"/> Profile # 2421014 Password 10111 <b>EOC 3:</b> <input type="checkbox"/> (20 or more incoming calls) North American Dial-In: 1-866-400-1768 International Dial-In: (047) 427-2433 Conference code: 835 298 4806 Leader PIN: 2846
13. I will notify <b>EXECUTIVE LEAD, EHS OFFICER</b> , and put together the <b>EMERGENCY MANAGEMENT TEAM</b> .	<b>Executive Lead Notified:</b> No <input type="checkbox"/> Yes <input type="checkbox"/> Time: _____ <b>EHS Officer Notified:</b> No <input type="checkbox"/> Yes <input type="checkbox"/> Time: _____ <b>EMT Notified:</b> No <input type="checkbox"/> Yes <input type="checkbox"/> Time: _____
14. Start to put together a local <b>INCIDENT COMMAND TEAM</b> .	<b>Incident Commander:</b> _____ <b>Deputy Incident Commander:</b> _____ <b>Safety Officer:</b> _____ <b>Liaison Officer:</b> _____ <b>Public Information Officer:</b> _____ <b>Operations Section Chief:</b> _____ <b>Planning Section Chief:</b> _____ <b>Logistics Section Chief:</b> _____

## Emergency Classification / Levels

<b>EMERGENCY LEVELS</b>	
Definition / Criteria	Examples <i>(may not reflect area-specific risks or threats)</i>
<b>LEVEL 1 - Onsite incidents where control of the hazard has been obtained but the potential exists for the imminent loss of control due to deteriorating conditions.</b>	
<ul style="list-style-type: none"> <li>o Immediate control of the hazard has been established using available resources, however, conditions are not improving and/or resources are being depleted.</li> <li>o Injuries to onsite personnel that are of a moderate impact.</li> <li>o Public safety is not threatened, however there is, or may be, a public perception of moderate risk to human health or the environment.</li> <li>o Environmental impacts are confined to the site and have limited potential to impact offsite.</li> <li>o All control and relief systems are functioning normally.</li> </ul>	<ul style="list-style-type: none"> <li>o Any controlled situation, outside of normal operation conditions, where the ability to maintain control using onsite resources is in question or offsite resources are required to maintain control such as a fire or explosion where imminent control of the fire is probable.</li> <li>o Injuries to personnel requiring offsite medical attention.-</li> <li>o Spills and releases that are contained onsite but have the potential to extend offsite.</li> <li>o Any incident requiring the advisory notification of the public of a non-routine, onsite occurrence.</li> <li>o Weather conditions (i.e., tornado) which may threaten personnel and operations.</li> <li>o Potential social / political unrest, labor disputes</li> </ul>

**LEVEL 2 - An incident where control of the hazard has been lost but where imminent and/or intermittent control of the hazard is possible.**

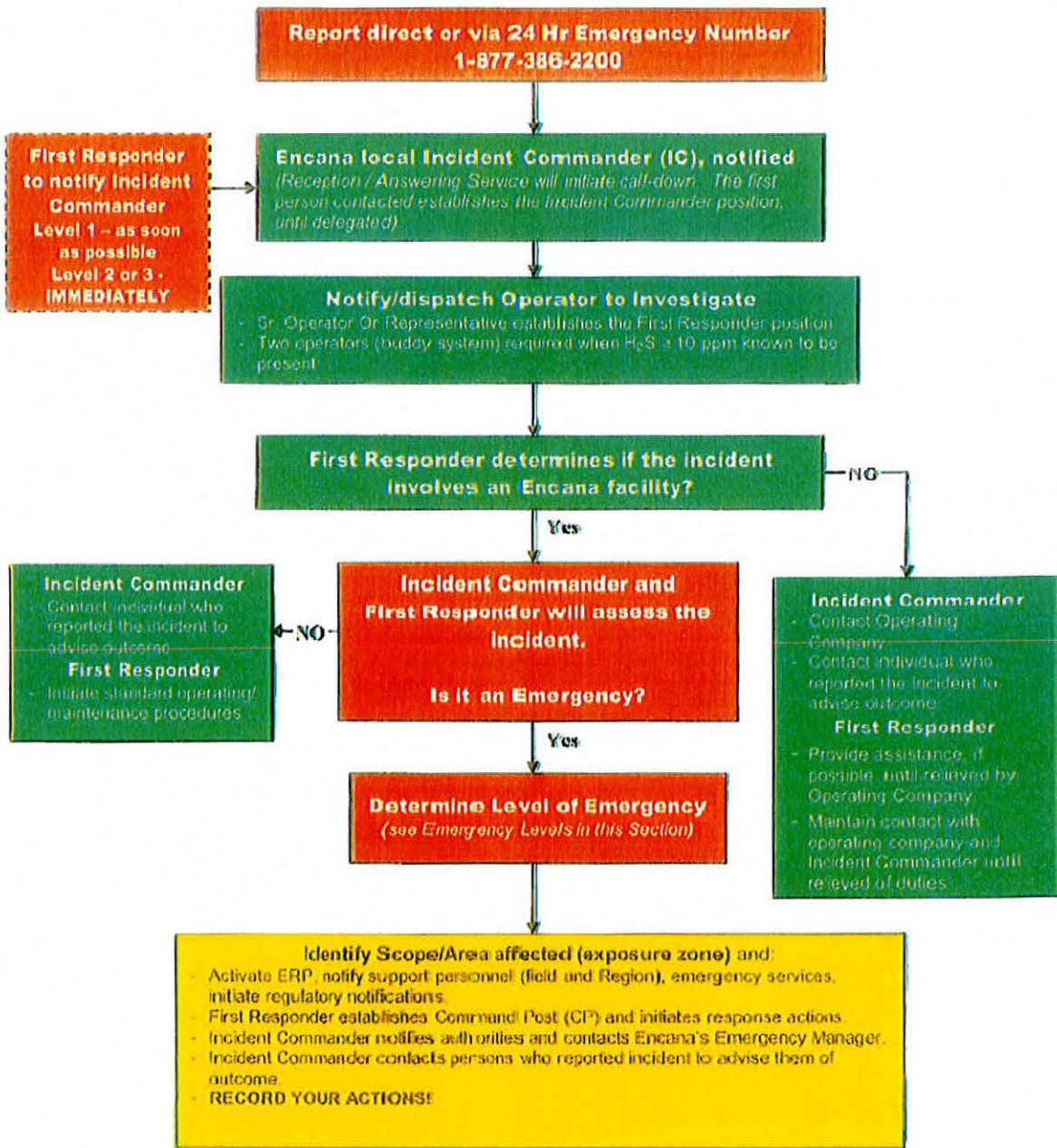
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| <ul style="list-style-type: none"> <li>1 Control of the hazard has been lost, however, through the application of available resources, intermittent control is being obtained or hazard control is imminent.</li> <li>2 Injuries to onsite personnel that are of a major impact.</li> <li>3 Public safety is not threatened, however, there is or may be a public perception of significant risk to human health or the environment.</li> <li>4 Environmental effects extend offsite and are resulting in minor or short-term detrimental impacts.</li> <li>5 Some control and relief systems are not operational.</li> </ul> | <ul style="list-style-type: none"> <li>6 Any uncontrolled hazard where the ability to regain control using available resources is imminent or intermittent control is being achieved using available resources such as pipeline integrity failure.</li> <li>7 Injuries to personnel which have or are likely to result in a lost time (beyond the day of the occurrence) injury or short term health impact.</li> <li>8 Spills or releases that extend offsite and are, or will result in minor or short-term detrimental impacts.</li> <li>9 Any incident requiring the notification of the public of a potential or imminent threat to human health or the environment, such as or pipeline rupture.</li> <li>10 Some control and/or relief systems are not operational.</li> <li>11 Imminent security threats, social political unrest, and labor disputes.</li> <li>12 Severe weather threats which threatens personnel and/or operations.</li> <li>13 Overdue vehicle or aircraft.</li> </ul> |
|---|--|

**LEVEL 3 - An incident where control of the hazard has been lost, imminent control is not possible and public safety is, or has the potential, to be threatened.**

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>1 Control of the hazard has been lost and regaining control is not imminently possible.</li> <li>2 Onsite personnel have sustained injuries with a serious impact.</li> <li>3 Public safety is being, or has the imminent potential to be, jeopardized.</li> <li>4 Environmental impacts are significant, extend offsite and have the potential to result in long-term environmental degradation.</li> <li>5 Key control and relief functions have failed and are not operating correctly.</li> </ul> | <ul style="list-style-type: none"> <li>6 Any situation where control of a hazard has been lost and regaining control is not imminently possible such as loss of well control or failure of essential well control equipment.</li> <li>7 Injuries to personnel which have or are likely to result in permanent disability, long term health impacts or death.</li> <li>8 Any incident that has necessitated the evacuation or sheltering of public such as or a catastrophic facility fire or loss of process control.</li> <li>9 Spills or releases that have extended offsite and are, or likely to, result in significant and substantial detrimental impact to the environment.</li> <li>10 Key control and relief systems are not operational.</li> <li>11 Act of terrorism, violence, social political unrest.</li> <li>12 Severe weather impacting personnel and/or operations.</li> <li>13 Overdue vehicle or aircraft, missing person.</li> </ul> |
|--|---|

## ACTIVATION AND NOTIFICATION REQUIREMENTS

### Receiving an Emergency Call - Typical Notification



## First Responder Actions

### Protect Yourself

- Approach the incident from upwind and uphill, if possible.
- Position vehicle far enough away from the release, allowing for a safe retreat, if necessary.
- Resist the urge to rush in, others cannot be helped if you are injured.
- Avoid any contact with liquids, mists, sludge's, gases, vapors and smoke.

### Sound the Alarm

- Announce level of emergency.
- Direct others to safe areas and alert other personnel.

### Call for Help

- Notify control room, local office and or the on-call supervisor.
- Confirm emergency services has been dispatched.
- Activate Emergency Response Plan.

### Assume Command

- Size up incident and make report.
- Confirm location (if necessary).
- Situation found.
- Make assignments (as necessary). Summon additional help and technical assistance as required. Do not hesitate to summon assistance; it can always be canceled if not needed.
- Tactical considerations:
  - Life safety,
  - Incident stabilization,
  - Environmental protection, and
  - Property conservation.
- Zoning:
  - Utilize, with caution, the U.S. DOT Emergency Response Guidebook for recommended actions if MSDSs are unavailable for released material.
  - Establish hazard / hot zone (use fire line tape for **hot line**).
  - Establish and mark warm zone (**decontamination corridor**), and
  - Establish cold zone (set **security line**).
- Immediately provide for proper decontamination of responders and/or injured.
- Transfer command (as necessary).

### Assess Hazard

- If immediate rescue is required, it should only be attempted when the rescuers are fully aware of the risks posed to them, they are wearing protective clothing, as required, utilizing a bare minimum number of personnel. If the hazards are unknown or exceptionally life-threatening, the rescuer should consider waiting until the situation has been assessed by the IC, SO, and the EHS/HazMat Unit.

### Secure the Area

- Restrict access to location or area.
- Utilize law enforcement agencies (Emergency Alert System) and any other available resources to evacuate or shelter in-place exposed victims.

## Transfer of Command

The process of moving the responsibility for incident command from one Incident Commander (IC) to another is called "transfer of command." It should be recognized that transition of command on an expanding incident is to be expected. It does not reflect on the competency of the current IC. The most important steps in effectively assuming command of an incident in progress are:

### Assessment & Briefing

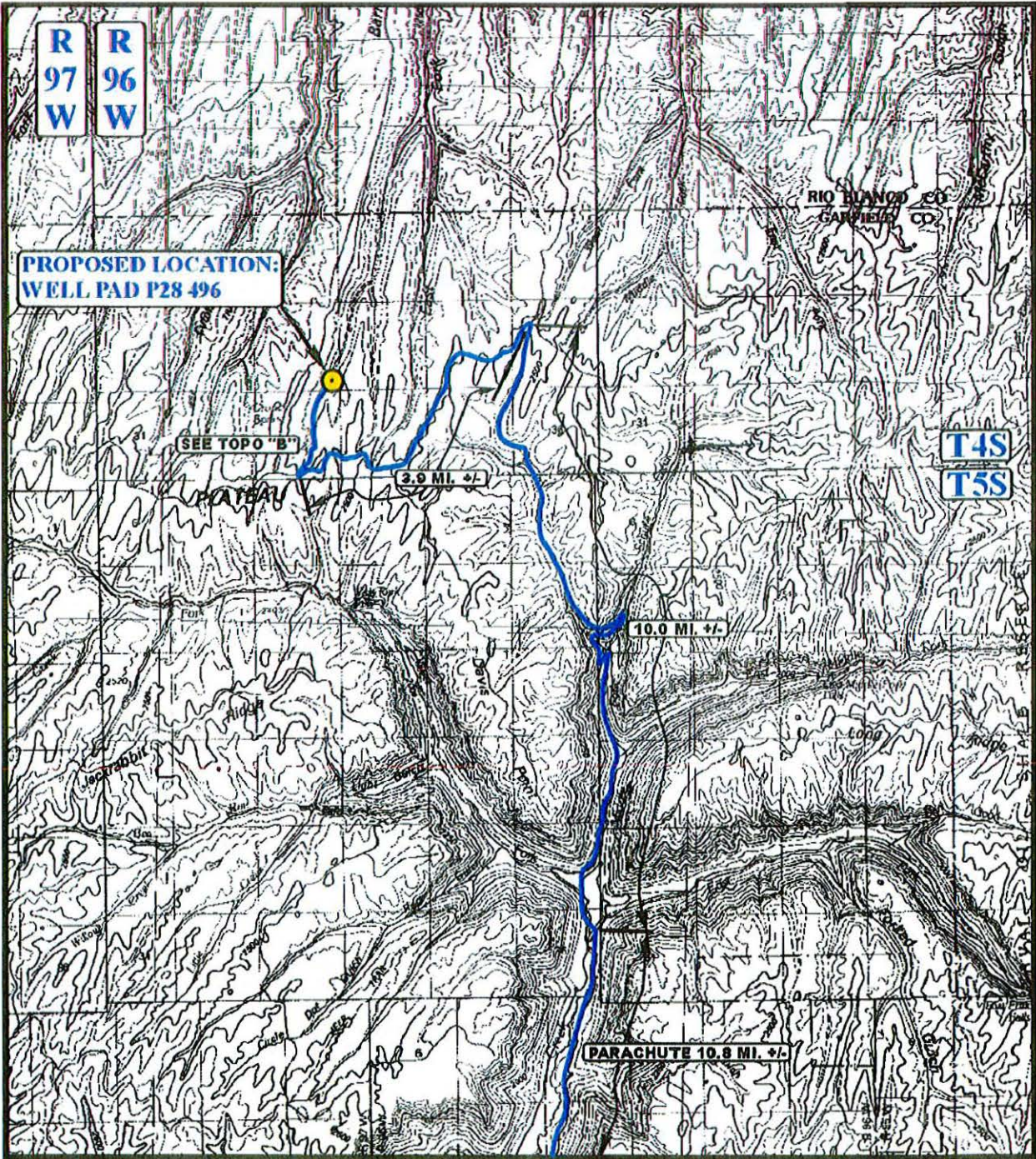
- Perform assessment of incident situation with existing IC.
- Receive adequate briefing by the current IC in face-to-face meeting. The briefing must cover the following items:
  - o Incident history (what has happened),
  - o Priorities and objectives,
  - o Current plan,
  - o Resource assignments,
  - o Incident organization,
  - o Resources ordered/needed,
  - o Facilities established,
  - o Status of communications,
  - o Any constraints or limitations,
  - o Incident potential, and
  - o Delegation of Authority.

### Written Summary Report

- Incoming IC to receive written summary to assist in incident briefings. This form contains:
  - o Incident objectives,
  - o A place for a sketch map,
  - o Summary of current actions,
  - o Organizational framework, and
  - o Resources summary.

### Notice of Command Change

- Determine an appropriate time for transfer of command.
- Provide notice of a change in incident command to:
  - o Emergency Management Team (through dispatch),
  - o General Staff members (if designated),
  - o Command Staff members (if designated), and
  - o All incident personnel and agencies.The incoming IC may give the out-going IC another assignment on the incident.
- There are several advantages of this:
  - o The out-going IC retains first-hand knowledge at the incident site, and
  - o This strategy allows the out-going IC to observe the progress of the incident and to gain experience.



**LEGEND:**

EXISTING LOCATION



**Encana OIL & GAS (USA) INC.**

**WELL PAD P28 496**  
**SECTION 28, T4S, R96W, 6th P.M.**  
**SE 1/4**      SHEET 8 of 11

**U E I S**  
**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**ACCESS ROAD**   **09 30 10**  
**MAP**      MONTH DAY YEAR  
 SCALE: 1:100,000   DRAWN BY: Z.L.   REVISED: 01-10-11   **TOPO**

Encana OIL & GAS (USA) INC.  
 TEMPORARY HOUSING SITE PLAN FOR  
 WELL PAD P28 496  
 SECTION 28, T4S, R96W, 6th P.M.  
 SE 1/4



Sheet 5a of 11

SCALE: 1" = 80'  
 DATE: 07-01-11  
 DRAWN BY: C.H.  
 Revised: 07-08-11 D.R.B.

**SURFACE OWNERSHIP**  
 ENCANA OIL & GAS (USA) INC.  
 370 17th Street, Suite 1700  
 Denver, Colorado 80202  
 Phone: 303-623-2300

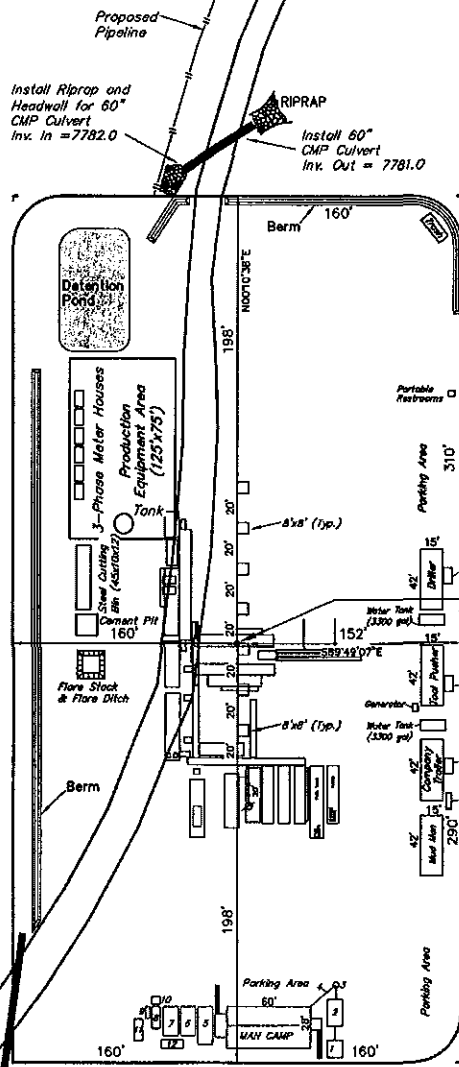
**24 HOUR RESPONSE CONTACT INFORMATION**

1. Encana Gas Control  
(970) 285-2615
2. Encana Safety on Call  
(970) 210-8755
3. Bruce Neatherlin-Drilling Coord.  
Work: (970) 285-2710  
Cell: (970) 308-7015  
Sat: (800) 441-5804
4. Clyde Marks-Completions Coord.  
Work: (970) 285-2681  
Cell: (970) 308-3061
5. Garfield County Dispatch  
(970) 625-8095
6. St. Mary's CareFlight Helicopter  
(970) 332-4923
7. Poison Control Hotline  
(800) 222-1222
8. CHEMIREC  
(800) 424-9300
9. Grand Valley Fire Protection District  
(970) 285-9119

**NOTE:**  
 Flare Pit is to be located a min. of 100' from the Well Head.

**LEGEND:**

- 1 - OVERFLOW (2000 gal)
- 2 - SEWER TANK (2000 gal)
- 3 - LIFT STATION
- 4 - SEWER LINE
- 5 - WATER TANK (4200 gal)
- 6 - FREEZER
- 7 - STORAGE
- 8 - GENERATOR
- 9 - FUEL
- 10 - TRANSFORMER
- 11 - BEAR PROOF TRASH CANS (2) 30 GALLON.
- 12 - WATER TANK FIRE SUPPRESSION (3300 gal)



**Coordinates:**

(NAD 83) - DW 8803A-33 P29 496  
 Latitude: 39°40'04.02" (39.667783°)  
 Longitude: 108°09'56.66" (108.165739°)

**LEGEND:**

- ST - Septic Tank
- G - Generator
- WT - Water Tank

**ANTICIPATED INSTALLATION & REMOVAL DATES of Water Tank, Containers, Sewage Storage:**

Installation Date: July 30, 2011  
 or within 3 days of Approval.  
 Removal Date: June 20, 2012  
 Duration on Site: 320 DAYS

**DRIVING DIRECTIONS**

FROM PARACHUTE, COLORADO, PROCEED IN A NORTHWESTERLY DIRECTION ALONG GARFIELD COUNTY ROAD 215 APPROXIMATELY 10.8 MILES TO A STAFFED GUARD STATION AT THE JUNCTION OF THIS ROAD WITH AN EXISTING ROAD TO THE NORTHWEST;  
 TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 2.3 MILES TO A STAFFED GUARD STATION, CONTINUE ON THIS ROAD APPROXIMATELY 6.7 MILES TO THE JUNCTION OF THIS ROAD WITH AN EXISTING ROAD SOUTHWEST;  
 TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST;  
 TURN RIGHT AND PROCEED IN A NORTHWESTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 1.2 MILES TO WELL PAD P28.

TOTAL DISTANCE FROM PARACHUTE, COLORADO, TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 25.9 MILES.

NOTE: SEE TOPO A & B FOR VICINITY MAP.



Encana Oil & Gas (USA), Inc.  
**WELL PAD P28 496**  
Section 28, T4S, R96W. 6<sup>th</sup> P.M.

- From Parachute, Colorado, proceed in a northwesterly direction along Garfield County Road 215 approximately 10.8 miles to a staffed guard station at the junction of this road with an existing road to the northwest;
- TURN LEFT and proceed in a northwesterly direction approximately 2.3 miles to a staffed guard station, continue on this road approximately 6.7 miles to the junction of this road with an existing road southwest;
- TURN LEFT and proceed in a southwesterly direction approximately 3.9 miles to the junction of this road and an existing road to the northwest;
- TURN RIGHT and proceed in a northwesterly, then northerly direction approximately 1.2 miles to Well Pad P28.

Total distance from Parachute, Colorado, to the proposed well location is approximately 25.9 miles.