



March 21, 2001

State of Utah
Department of Natural Resources
Division of Oil Gas & Mining
1594 West North Temple
P.O. Box 145801
Salt Lake City, UT 84114-5801

ATTENTION: Lisha Cordova

Dear Lisha,

Enclosed are the originals and one copy each for the following APD submittals:

NBU #348 SW/SW Sec. 11, T10S, R22E
NBU #349 SW/SE Sec. 11, T10S, R22E

Please contact me at your earliest convenience so that we can set up an on-site date at (435) 781-7023.

Sincerely,


Cheryl Cameron
Regulatory Analyst

cc: Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, UT 84078

RECEIVED

MAR 25 2001

DIVISION OF
OIL, GAS AND MINING

Coastal Oil & Gas Corporation

A SUBSIDIARY OF THE COASTAL CORPORATION
1368 S 1200 E • PO BOX 1148 • VERNAL UT 84078 • 435/789-4433 • FAX 435/789-4436

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

5. Lease Designation and Serial Number: **U-01197-A-ST**

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

7. Unit Agreement Name: **Natural Buttes**

8. Farm or Lease Name: **NBU**

9. Well Number: **#348**

10. Field and Pool, or Wildcat: **Natural Buttes**

11. Qtr/Qtr, Section, Township, Range, Meridian: **SW/SW Sec. 11, T10S, R22E**

12. County: **Uintah** 13. State: **UT**

1A. Type of Work: **DRILL** **DEEPEN**

B. Type of Well: **OIL** **GAS** **OTHER:** **SINGLE ZONE** **MULTIPLE ZONE**

2. Name of Operator: **Coastal Oil & Gas Corporation**

3. Address and Telephone Number: **P.O. Box 1148, Vernal UT 84078 (435) 781-7023**

4. Location of Well (Footages):
At surface: **231' FSL & 1256' FWL**
At proposed proding zone: **4423979 N
635676 E**

14. Distance in miles and direction from nearest town or post office: **28 Miles north of Ouray, UT**

15. Distance to nearest property or lease line (feet): **231'**

16. Number of acres in lease: **1674.49**

17. Number of acres assigned to this well: **N/A**

18. Distance to nearest well, drilling, completed, or applied for, on this lease (feet): **Refer to Topo C**

19. Proposed Depth: **6500'**

20. Rotary or cable tools: **Rotary**

21. Elevations (show whether DR, RT, GR, etc.): **5195.7' Ungraded GL**

22. Approximate date work will start: **Upon Approval**

23. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8" K-55	24#	250'	90 Sx Class G + 2% CaCl2
7 7/8"	4 1/2" K-55	11.6#	6500'	390 Sx Hifil Mod (Lead)
				800 Sx 50/50 POZ (Tail)

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

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. Coastal Oil & Gas Corporation agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

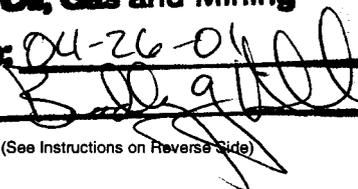
Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by Coastal Oil & Gas Corporation Bond #102103.

This location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet of any non-committed tract lying within the boundaries of the unit.

24.  Cheryl Cameron
Name & Signature Title: **Senior Regulatory Analyst** Date: **2/21/01**

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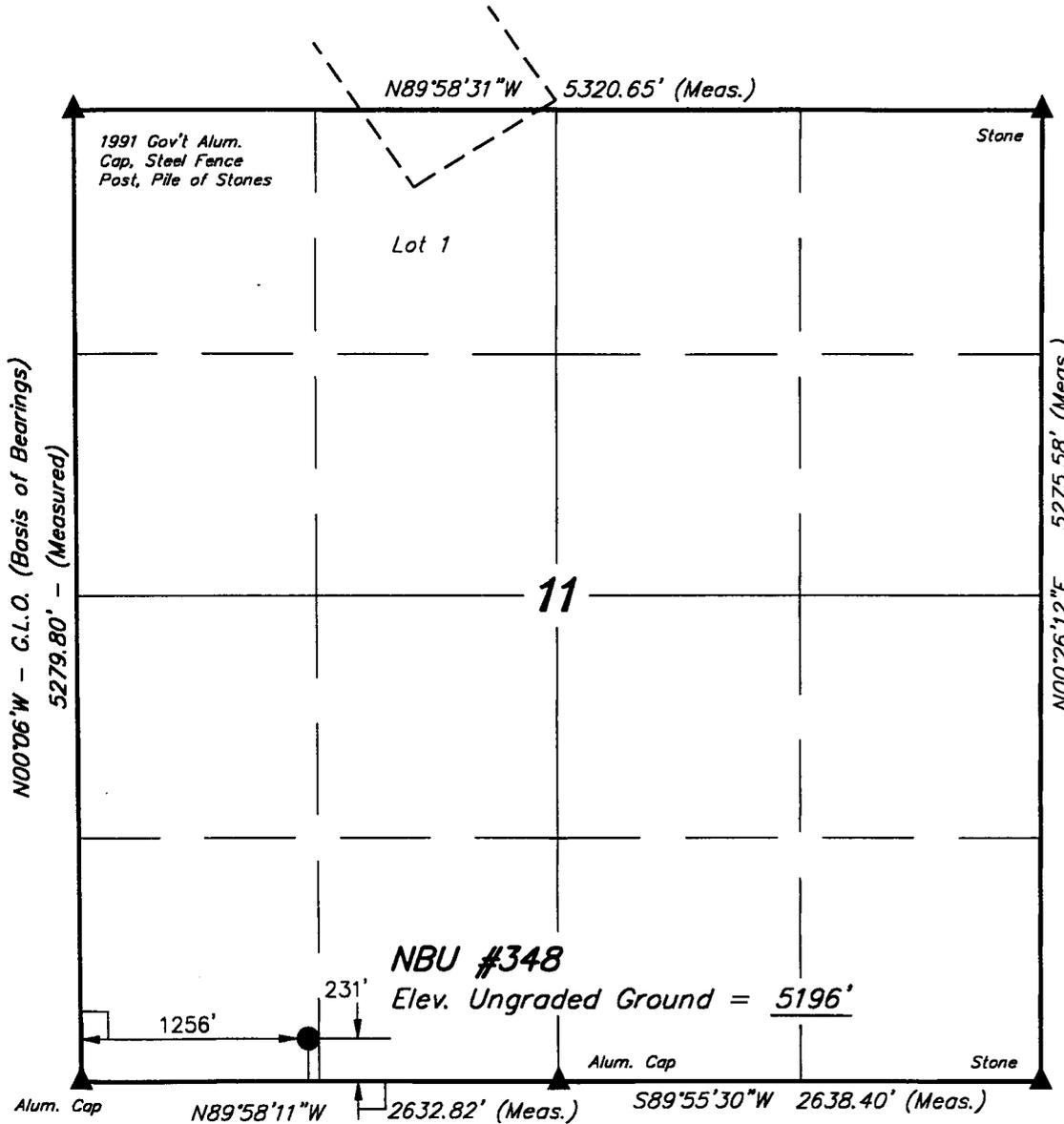
API Number Assigned: **43-047-34001**

Approved by the Utah Division of Oil, Gas and Mining
Date: **04-26-01**
By: 

(See Instructions on Reverse Side)

RECEIVED
MAR 26 2001
DIVISION OF OIL, GAS AND MINING

T10S, R22E, S.L.B.&M.

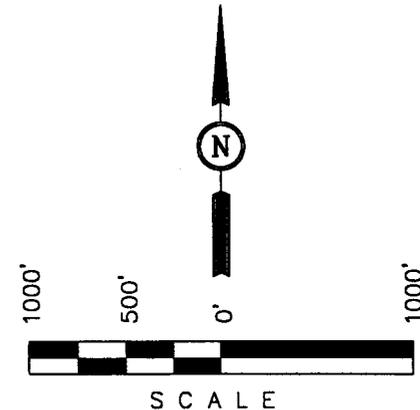


COASTAL OIL & GAS CORP.

Well location, NBU #348, located as shown in the SW 1/4 SW 1/4 of Section 11, T10S, R22E, S.L.B.&M., Uintah County, Utah. Utah.

BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE

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

No. 161319
Robert L. Kay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-29-98	DATE DRAWN: 11-08-98
PARTY D.A. J.S. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE COASTAL OIL & GAS CORP.	

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

H₂S Contingency Plan

for

NBU #348

Section 11, Township 10S, Range 22E

Uintah County, Utah

Prepared for:

Coastal Oil and Gas Company

1368 South 1200 East

P.O. Box 1148

Vernal, UT 84078

Table of Contents

Introduction and directions

- I. Responsibilities and Duties
 - A. All personnel
 - B. Drilling Foreman
 - C. Rig Supervisor - Toolpusher
 - D. Safety Consultant
2. Drilling Rig Layout
 - A. Location
3. Safety Procedures
 - A. Training
 - B. Operating Conditions
 - C. Evacuation Plan
 - D. Emergency Rescue Procedures
4. H₂S Safety Equipment on Drilling Location
5. Well Ignition Procedures
 - A. Ignition Equipment
 - B. Ignition Procedures
6. Residents - Public in Roe
 - A. Map of area around location
7. Emergency Phone Directory
 - A. Coastal Oil & Gas Corporation
 - B. Emergency Services Phone List
8. Properties of Gas
 - A. Hydrogen Sulfide
 - B. Sulfur Dioxide

Introduction

It is the policy of Coastal Oil and Gas Company (Coastal) to provide a safe and healthful work environment for all of its employees as well as contractors that may work on Coastal leases. Coastal makes a continued effort to comply with laws and regulations relative to worker health and safety, and to manage all operations in a manner to reduce risk.

The following is a H₂S contingency plan for the Coastal NBU #348 well. The plan is designed specifically for personnel working on this project and provides detailed procedures to follow in case of an accidental release of hydrogen sulfide. In order for the plan to be effective, all personnel must review and be familiar with their responsibilities as well as the safety equipment involved.

The purpose of this plan is to act as a guideline for personnel working on the wellsite in the event of a sudden release of hydrogen sulfide. All personnel working on the wellsite as well as service personnel that may travel to location on an unscheduled basis must be familiar with this program. The cooperation and participation of all personnel involved with the drilling operation is necessary for this plan to be effective.

1. Responsibilities and Duties

In order to assure proper execution of the contingency plan, it is essential that one person be responsible for and in complete charge of implementing the procedures outlined in this plan. The order of Responsibility will be as follows:

1. Coastal drilling representative on location - if unable to perform his / her duties
2. Alternate Coastal representative - if unable to perform his / her duties
3. Rig Toolpusher / Supervisor - if unable to perform his / her duties
4. Safety consultant representative - if available

A. All Personnel

1. Always be alert for possible H₂S alarms - both audible and visual.
2. Be familiar with location of Safe Briefing Areas (SBA) and protective breathing equipment.
3. Develop a "wind awareness". Be aware of prevailing wind direction as well as nearby uphill areas, should there be no wind.
4. Familiarize yourself with nearest escape routes for safe evacuation.
5. Should H₂S alarms sound, DON'T PANIC - Remain calm and follow the instructions of person in charge.
6. If the H₂S alarms sound:
 - a. Essential personnel shall don the appropriate respiratory protective equipment and follow company procedures. Essential personnel will continue to wear respiratory protective equipment until the area is deemed safe (H₂S concentration less than 10 PPM)
 - b. Non-essential personnel shall evacuate to the appropriate safe briefing area using escape breathing systems. Wait there for further instructions from the Coastal drilling representative.
 - c. Initiate rescue protocol if necessary, following training procedures.

B. Drilling Foreman

2. The Coastal drilling foreman will confirm that all personnel on location are trained in H₂S safety and aware of the above list of duties at the point in time when the H₂S plan becomes effective at 300 feet above the Uintah Formation.
2. The Coastal foreman will ensure that all safety and emergency procedures are observed by all personnel.
3. The Coastal foreman will make an effort to keep the number of personnel on location to a minimum and to ensure that only essential personnel are on location during critical operations.
4. Should any extreme danger condition exist, the Coastal foreman will:
 - b. Assess the situation and advise all personnel by appropriate means of communication.
 - b. Be responsible for determining that the extreme danger condition is warranted and the red flag shall be posted at location entrance.
 - c. Go to safe briefing area and give clear instructions relative to the hazard on location, and actions for personnel to follow.
 - d. Notify company and regulatory groups of the current situation as outlined in company protocol.
 - e. Proceed to the rig floor and supervise operations with the Rig Supervisor. Take action to control and reduce the H₂S hazard.
 - f. Ensure that essential personnel are properly protected with supplied air breathing equipment and that non-essential personnel are in a "poison gas free" area.
 - g. Be responsible for authorizing evacuation of persons / residents in the area surrounding the drilling location.
 - h. Commence any ignition procedures if ignition criteria are met.

C. Rig Supervisor - Toolpusher

3. If the Coastal Drilling Foreman is unable to perform his / her duties, and the alternate Drilling Foreman is also unable or unavailable to perform his / her duties, the drilling rig Toolpusher will assume command of wellsite operations and all responsibilities listed above for drilling foreman.
2. Ensure that all rig personnel are properly trained to work in H₂S environments and fully understand the purpose of the H₂S alarms and actions to take when alarms activate. Ensure that all crew personnel understand the buddy system, safe briefing areas, and individual duties as well as emergency evacuation procedures.
3. Should an extreme danger operational condition arise, the rig Toolpusher shall assist the Coastal foreman by:
 - c. Proceeding to the rig floor and assist in supervising rig operations.
 - b. Ensure that only essential working personnel remain in hazardous areas.
 - c. Ensure that all crew members that remain in hazardous area wear respiratory protective equipment until notified that area is "clear" of any toxic gases.
 - d. Assign rig crew member or other service representative to block the entrance to location. No unauthorized personnel will be allowed entry to location.
 - e. Help to determine hazardous "danger zones" on location using portable detection equipment and position electric fans to move gas in any high concentration areas.

D. Safety Consultant

4. During normal operations (no H₂S present), the Safety Consultant will be responsible for the following:
 - d. Ensure that all wellsite safety equipment is in place and operational.
 - b. Ensure that all wellsite personnel are familiar with the location safety layout and operation of all safety equipment.

- c. Assist the Coastal foreman in performing weekly H₂S drills for location personnel.
2. When an operational condition is classified as extreme danger, the Safety Consultant will be responsible for the following:
- e. Account for all wellsite personnel.
 - b. Assess any injuries and direct first aid measure.
 - c. Ensure that all safety and monitoring equipment is functioning properly and available.
 - d. Monitor the safety of wellsite personnel
 - e. Maintain a close communication with Coastal Foreman.
 - f. Be prepared to assist Coastal Foreman with support for rig crew or other personnel using breathing equipment.
 - g. Be prepared to assist Coastal Foreman with emergency procedures including possible well ignition.
 - h. Be prepared to assist with evacuation of any area residents or other personnel working in the immediate area.

2. Drilling Rig Layout

E. Location

3. All respiratory protective equipment and H₂S detection equipment will be rigged up 3 days or 500 feet prior to entering the first zone suspected to contain hydrogen sulfide. The rig crews and other service personnel will be trained at this time.
2. The drilling rig will be situated on location to allow for the prevailing winds to blow across the rig toward the circulation tanks or at right angles to the lines from the B.O.P.s to the circulation tanks.
3. The entrance to the location is designed so that it can be barricaded if a hydrogen sulfide emergency condition arises. An auxiliary exit route will be available so that in case of an emergency, a shift in wind direction would not prevent escape from the location.
4. A minimum of 2 safe briefing areas (SBA) shall be designated for assembly of personnel during emergency conditions. These will be located at least 150 feet, or as practical, from the wellbore and in such a location that at least one area will be upwind of the well at all times. Upon recognition of an emergency situation, all personnel will be trained to assemble at the designated briefing area for instructions.
5. Smoking areas will be established and "No Smoking" signs will be posted around the location.
6. Reliable 24 hour radio and telephone communications will be available at the Drilling Foremen's office.
7. A mud-gas separator will be rigged up and manifolded to the choke system.
8. All equipment that might come into contact with hydrogen sulfide, including drill pipe, drill stem test tools, blowout preventers, casing, and the choke system, will meet Coastal's metallurgy requirements for H₂S service.
9. The drilling rig will have a continuous electronic H₂S detection system that automatically will activate visible and audible alarms if hydrogen sulfide is detected. The visible light will activate if 10 PPM H₂S is present. The audible siren will activate if 15 PPM or higher concentration is present. There will be at least 4 H₂S sensors in place on the drilling rig. They will be located to detect the presence of

hydrogen sulfide in areas where it is most likely to come to the surface. The sensor head locations will be: 1) rig floor by driller's console, 2) substructure area near the bell nipple, 3) the shale shaker, 4) the mud mixing area. Additional sensors will be positioned at the discretion of the Drilling Foreman. At least 1 light and 1 siren will be placed on the rig to indicate the presence of hydrogen sulfide. The light and siren will be strategically placed to be visible to all personnel on the drill site. Additional alarm lights & sirens may be added to ensure that all personnel on the drill site are able to notice the alarms at any time.

10. The H₂S detection equipment will be calibrated as recommended by the manufacturer. Calibration records will be maintained on location.
11. At least 4 windsocks will be placed around the drill site to ensure that wind direction can be readily determined by everyone on the drilling location. One windsock will be mounted on or near the rig floor to be readily visible to rig crews when tripping pipe.
12. All respiratory protective equipment will be NIOSH/MSHA approved positive pressure type and maintained according to manufacturer's guidelines. All breathing air used for this equipment will be CGA type Grade D breathing air. Battery powered voice mikes will be available for communication when wearing masks.
13. Both 30 minute self-contained breathing apparatuses (SCBA) and workline units with escape cylinders will be available on location. There will be sufficient numbers of this supplied air breathing equipment on location to ensure that all personnel on location have 1 piece of equipment available to them. All Respiratory protective equipment will use nose cups to prevent fogging in temperatures below 32 F. Spectacle kits will be available for personnel that require corrective lenses when working under mask.
14. Electric explosion-proof ventilating fans (bug blowers) will be available to provide air movement in enclosed areas where gas might accumulate.
15. H₂S drills will be conducted at least weekly to ensure that all well site personnel are competent in emergency donning procedures. These drills will be recorded in the driller's log.

3. Safety Procedures

A. Training

All personnel who come onto the drilling location must be properly trained in hydrogen sulfide, nitrogen, and oxygen deficient atmosphere safety. The personnel shall carry documentation with them indicating that the training has occurred within the previous 12 months.

Training topics shall include at a minimum:

1. Hazards and characteristics of hydrogen sulfide, nitrogen, and oxygen deficient atmospheres and symptoms of exposure to these gases.
2. Proper use, care and limitations of respiratory protective equipment with hands on practice.
3. Use of both fixed and portable toxic gas detection equipment.
4. Work practices to reduce opportunities for toxic gas exposure as well as confined space procedures.
5. First aid for toxic gas exposure and resuscitation equipment.
6. The buddy system
7. Emergency evacuation procedures
8. A review of the contingency plan for the well.

B. Operating Conditions

A three color flag warning system will be used to notify personnel approaching the drill site as to operating conditions on the wellsite. This system is in compliance with BLM Operating Order #6 and follows industry standards.

Green Flag - Potential Danger

Yellow Flag - Moderate Danger

Red Flag - Extreme Danger - Do Not approach if red flag is flying.

C. Evacuation Plan

There are no permanent residents within a 1 mile radius of the drill site. Coastal Oil and Gas Company has operations within this area and travel the roads in the immediate area.

D. Emergency Rescue Procedures

Wellsite personnel should not attempt emergency rescues unless they have been properly trained. A trained person who discovers another person overcome by hydrogen sulfide should **not attempt to rescue without donning the proper breathing equipment**. When making an emergency rescue always use the following procedures:

1. Don rescue breathing equipment before attempting to rescue someone.
2. Remove the victim from the contaminated area to an area free of toxic gas by traveling upwind or cross wind. Be certain that you are in a safe area before removing your breathing equipment.
3. If the victim is not breathing, initiate mouth - to - mouth resuscitation immediately. Follow CPR guidelines and replace mouth to mouth with a bag mask resuscitator if available.
4. Treat the victim for shock, keeping the victim warm and calm. Never leave the victim alone.
5. Any personnel who experience hydrogen sulfide exposure must be taken to a hospital for examination and their supervisor notified of the incident.
6. Their supervisor shall follow the company Emergency Preparedness plan.

4. H₂S Safety Equipment on Drilling Location

Item	Amount	Description
1.	One (1)	Safety trailer with a cascade system of 10-300 cu. ft bottles of compressed breathing air complete with high pressure regulators.
2.	At least 1000 ft.	Low pressure airline equipped with Hansen locking fittings. This airline will be rigged up with manifolds to supply breathing air to the rig floor, substructure, derrick, shale shaker area, and mud mixing areas. Three high pressure refill hoses will be attached to cascade systems for cylinder refill.
3.	Twelve (12)	Scott 30 minute self contained breathing apparatuses (SCBA).
4.	Twelve (12)	Scott airline units with emergency escape cylinders.
5.	One (1)	4 - channel continuous electronic H ₂ S monitor with audible and visual alarms. The set points for these alarms are 10 PPM for the low alarm and 15 PPM for the high alarm.
6.	Two (2)	Sensidyne portable hand operated pump type detection units with tubes for hydrogen sulfide and sulfur dioxide.
7.	One (1)	Oxygen resuscitator with spare oxygen cylinder.
8.	One (1)	Trauma first aid kit.
9.	One (1)	Stokes stretcher and one (1) KED.
10.	Four (4)	Wind socks.
11.	At least one (1)	Well condition sign with 3 flag system.
12.	Two (2)	Safe Briefing Area (SBA) signs.
13.	One (1)	Fire blanket.
14.	One (1)	Set air splints.

- | | | |
|-----|-----------|---|
| 15. | Two (2) | Electric explosion proof fans. |
| 16. | One (1) | Bullhorn and chalk board. |
| 17. | Three (3) | 300 cu. ft. air bottles for the safe briefing area. |
| 18. | Two (2) | 30 pound fire extinguishers. |
| 19. | Six (6) | Battery powered voice mikes for communication when wearing air masks. |
| 20. | One (1) | Battery powered combustible gas meter. |

Insert drilling location map showing placement of safety equipment.

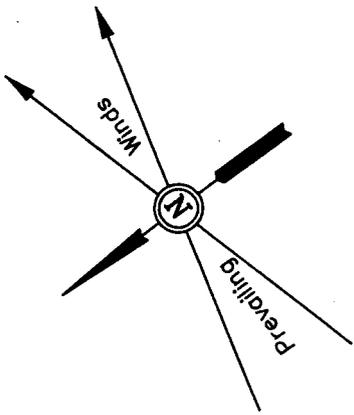
COASTAL OIL & GAS CORP.

LOCATION LAYOUT TO ACCOMPANY
H₂S CONTINGENCY PLAN

NBU #348

SECTION 11, T10S, R22E, S.L.B.&M.

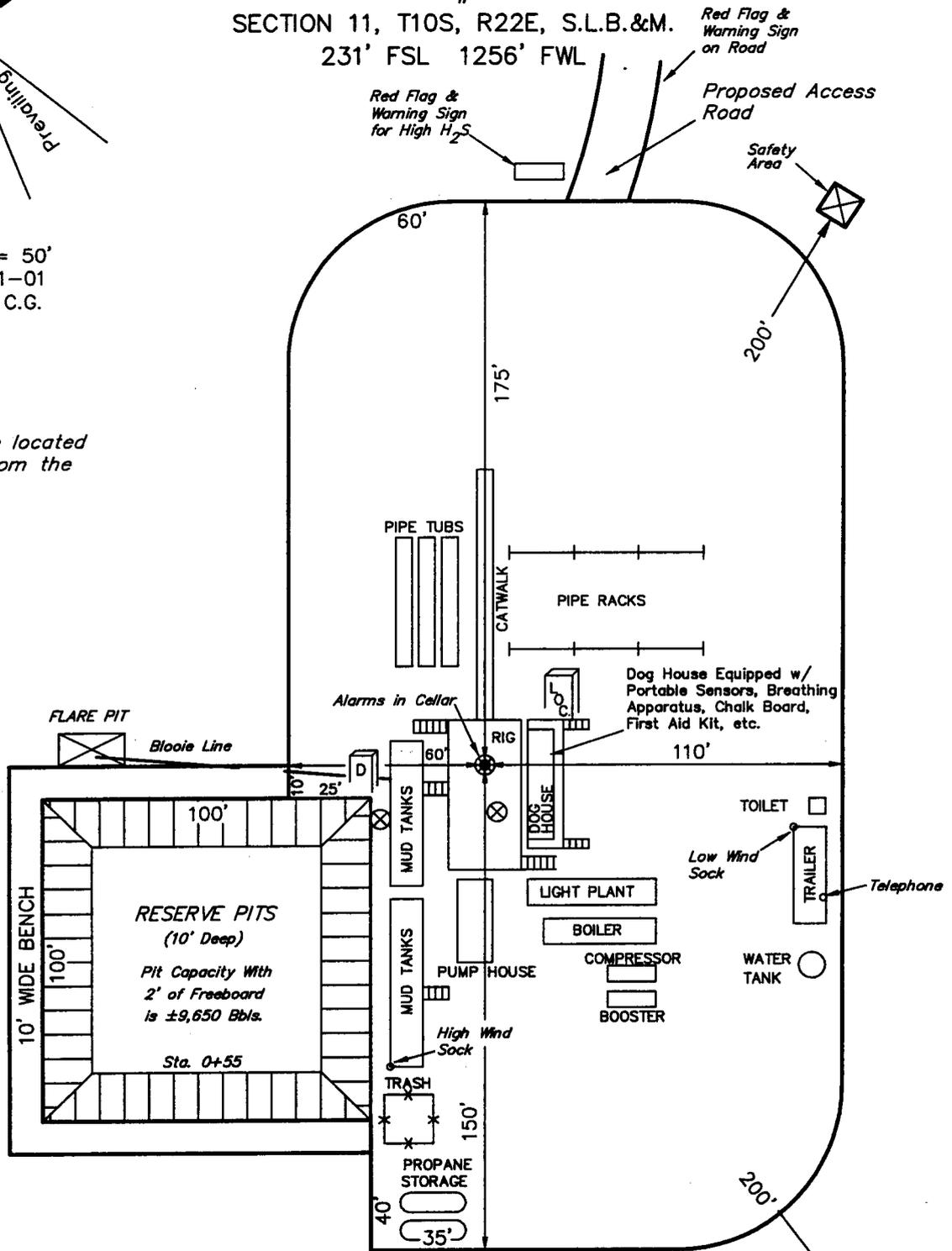
231' FSL 1256' FWL



SCALE: 1" = 50'
DATE: 4-11-01
Drawn By: C.G.

NOTE:

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



⊗ = Audible & Visible Alarms
Located on Derrick Floor
Shale Skaler and in the
Cellar.

FIGURE #3

5. Well Ignition Procedures

If it should become apparent that an uncontrolled release of hydrogen sulfide to the atmosphere may endanger the health and safety of the public or well site personnel, the Coastal drilling foreman will make a decision to ignite the well. The following procedure should be followed before attempting to ignite the well.

A. Ignition Equipment - the following equipment will be available on-site for use by the ignition team.

1. 2-12-gauge flare guns with flare shells.
2. 2-500 ft. fire resistant retrieval ropes.
3. 1 portable combustible gas meter.
4. Self contained breathing apparatus (SCBA) for each member of the ignition team.
5. 1 backup vehicle with communications equipment.

B. Ignition Procedures

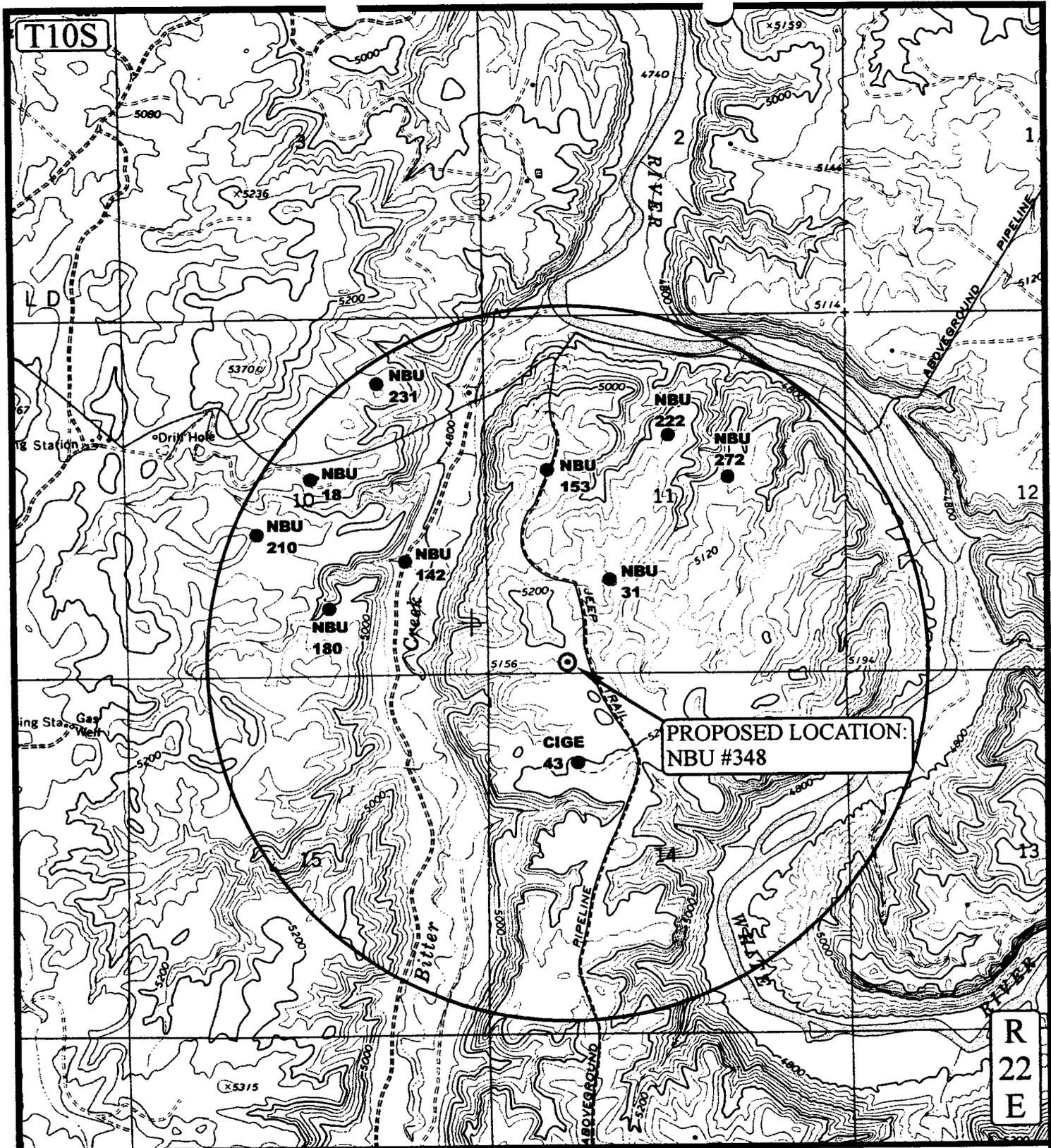
1. The Coastal drilling foreman will ensure that well site personnel are evacuated to a safe area upwind of the well bore prior to any ignition action.
2. The Coastal foreman and a designated partner "buddy" backed up by well site safety personnel will comprise the ignition team. All team members will be wearing 30 minute SCBAs.
3. The backup crew will be positioned near a radio equipped vehicle at a safe distance from the sour gas release. They will standby to rescue the actual team igniting the well.
4. The partner of the ignition team will carry a combustible gas / hydrogen sulfide meter to continuously monitor the area in which they are working and define the perimeter of the gas cloud.
5. The Coastal foreman will carry the flare gun and shells.
6. The ignition team will determine the hazardous area and establish safe working perimeters. Once this is identified the team will proceed

upwind of the leak and fire into the area with flare gun. If trouble is encountered in trying to light the leak, retry to ignite by firing the flare shells at 45 and 90 degree angles to the gas source, but DO NOT approach closer to the leak.

7. After ignition, monitor for sulfur dioxide and work with the support group to restrict access to the contaminated area.

6. Residents & General Public Within the Radius Of Exposure

There are no residents within a one mile radius of the well site. Coastal operates other wells within a one mile radius. Coastal personnel could be working in the area at any time of day.



**PROPOSED LOCATION:
NBU #348**

LEGEND:

- ⊗ DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- ⊗ WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



COASTAL OIL & GAS CORP.

**NBU #348
SECTION 11, T10S, R22E, S.L.B.&M.
231' FSL 1256' FWL**



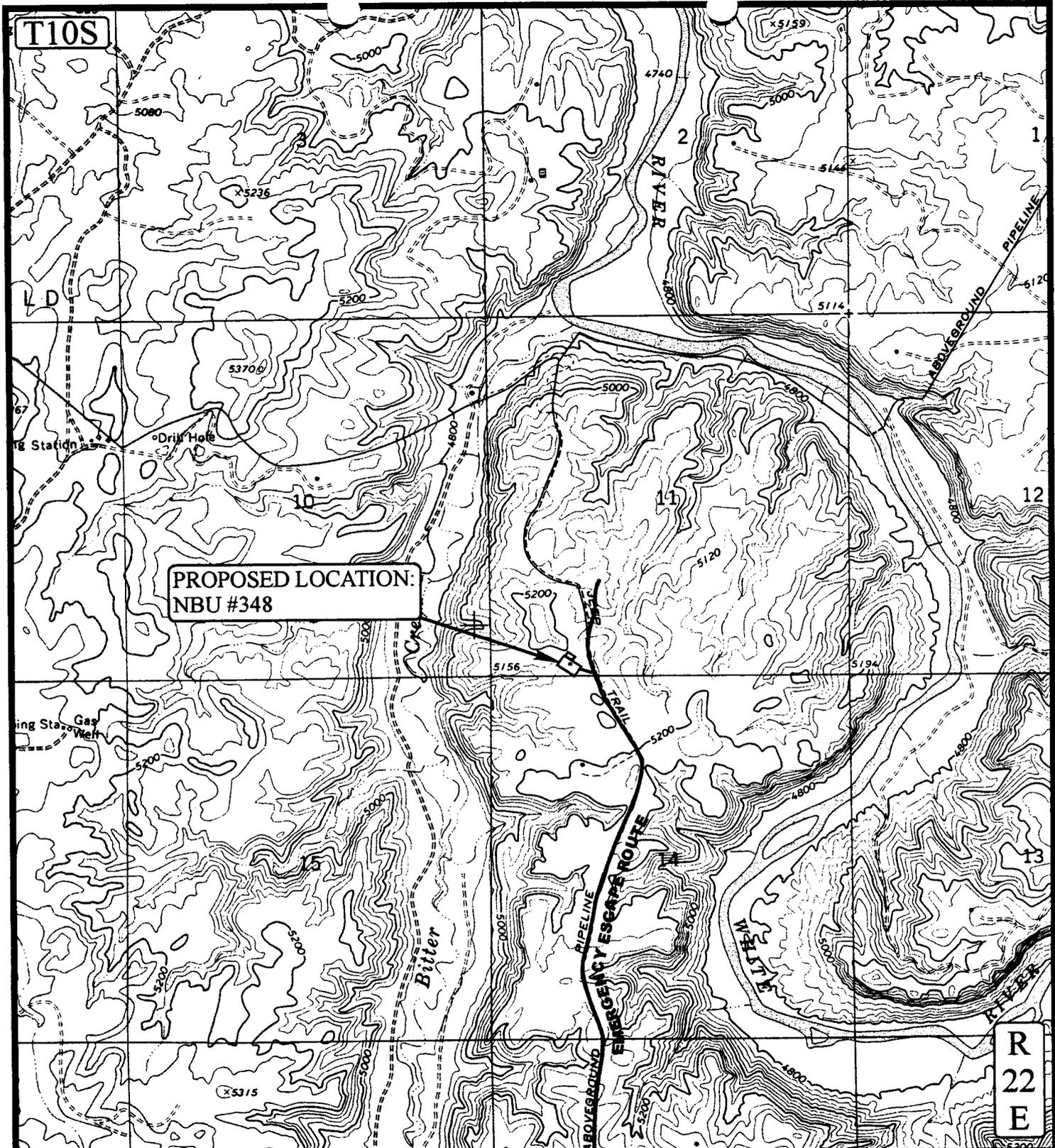
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP

11	3	98
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





**PROPOSED LOCATION:
NBU #348**

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



COASTAL OIL & GAS CORP.

NBU #348
SECTION 11, T10S, R22E, S.L.B.&M.
231' FSL 1256' FWL



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

TOPOGRAPHIC MAP	4	23	01
	<small>MONTH</small>	<small>DAY</small>	<small>YEAR</small>
<small>SCALE: 1" = 2000'</small>		<small>DRAWN BY: C.G.</small>	
<small>REVISED: 00-00-00</small>			

1
TOPO

7. Emergency Phone Directory

A. Coastal Oil & Gas Corporation

1368 South 1200 East
 Vernal, UT 84078
 435-781-7048

<u>Title</u>	<u>Name</u>	<u>Phone</u>
Utah Gas Production Manager	Les Streeb	O 435-781-7035 H 435-789-7654 M 435-828-6868
Drilling	Larry Strasheim	O 435-781-7003 M 435-828-7436
Drilling	Dan Lindsay	O 435-781-7051 M 435-828-1101 H 435-789-5223
Vice President-Production Rocky Mt. District	Dwayne Jamal	O 713-877-7527
Principal Environmental Spec. Rocky Mt. District	Carroll Estes	O 435-781-7009 H 435-789-3301 M 453-828-3301
Manager Environmental Affairs - Houston, TX	Mike McAllister	800-877-3933 O 713-877-6590 H 713-469-5789
Colorado Interstate Gas Co.	Tim Bustos	O 435-789-2773 M 435-828-3951

B. Emergency Services Phone List

1. Ashley Valley Medical Center - Vernal, UT435-789-3342
2. Ambulance Services - Uintah County, UT911
3. Sheriff Department - Uintah County, UT435-789-4222
4. Highway Patrol - Utah800-222-0038
5. Fire Department - Uintah County, UT435-789-2511
6. Utah Division Oil & Gas - Salt Lake City, UT801-538-5277
7. Medical Helicopter - Air Med- Salt Lake City, UT800-453-0120

8. Properties of Gases

If gas should be produced, it could be a mixture of carbon dioxide, hydrogen sulfide, and methane.

TOXICITY OF VARIOUS GASES

Common Name	Specific Chemical Formula	Gravity (Air = 1)	Threshold Limit ¹	Hazardous Limit ²	Lethal Concern ³
Hydrogen Sulfide	H ₂ S	1.18	10 ppm	250 ppm/hr	600 ppm
Sulfur Dioxide	SO ₂	2.21	5 ppm	--	1000 ppm
Carbon Monoxide	CO	0.97	50 ppm	400 ppm/hr	1000 ppm
Carbon Dioxide	CO ₂	1.52	5000 ppm	5%	10%
Methane	CH ₄	0.55	90000 ppm above 5% in Air	Combustible	--

1. **Threshold** - Concentration at which it is believed that all workers may repeatedly be exposed, day after day, without adverse side effects.
2. **Hazardous** - Concentration that may cause death.
3. **Lethal** - Concentration that will cause death with short-term exposure

1. Hydrogen Sulfide

General Properties

Hydrogen sulfide is a colorless and transparent gas and is flammable. It is heavier than air and, hence, may accumulate in low places.

Although the slightest presence of H₂S in the air is normally detectable by its characteristic "rotten egg" odor, it is dangerous to rely on the odor as a means of detecting excessive concentrations because the sense of smell is rapidly lost, allowing lethal concentrations to be accumulated without warning. The following table indicates the poisonous nature of hydrogen sulfide, which is more toxic than carbon monoxide.

Common names: sour gas, acid gas, rotten egg gas, sulphur gas, sulphurated gas, sweet gas (H₂S is a sweet tasting gas, but often the word "tasting" is left out).

Physical - Chemical Properties

Chemical Formula	H ₂ S
1. Specific Gravity (air = 1.000)	1.193 (@ 77 F)
2. Color	None
3. Odor	Compare to rotten eggs
4. Odor Threshold	0.13 part of 1 ppm
5. Corrosivity	Reacts with metals, plastics, tissues and nerves.
6. Solubility in Water	4.0 to 1 in H ₂ O @ 32 F 2.6 to 1 in H ₂ O @ 68 F
7. Effects on Humans	Olfactory nerves, respiratory nerves, irritates sensitive membranes in eyes, nose, and throat.
8. Vapor Pressure	19.6 atmospheres at 25 C
9. Explosive Limits	4.3% to 46% by volume in air

10. Ignition Temperature	500E F (burns with a pale flame)
11. Molecular Weight	34.08
12. Conversion Factors	1 mg / 1 of air = 717 ppm (at 25 C and 760 mm HG). 1 ppm = 0.00139 mg / 1 of air
13. pH	3 in water

Industrial Occurrences

Hydrogen Sulfide exposures occur in certain processes in the petroleum industry, chemical plants, chemical laboratories, sulfur and gypsum mines, viscose rayon and rubber industries, tanneries, and in the manufacture of some chemicals, dyes and pigments. It may be encountered in excavations in swampy or filled ground. It is produced when sulfur-containing organic matter decomposes, and it can therefore be found in sewage or organic-waste treatment plants. A common sewer gas, it may find its way into utility manholes, particularly dangerous when encountered in tanks, vessels, and other enclosed spaces.

Toxic Properties

Hydrogen Sulfide is an extremely toxic and irritating gas. Free Hydrogen Sulfide in the blood reduces its oxygen-carrying capacity, thereby depressing the nervous system. Sufficiently high concentrations cause blocking of the phrenic nerve, resulting in immediate collapse and death due to respiratory failure and asphyxiation.

Because Hydrogen Sulfide is oxidized quite rapidly to sulfates in the body, no permanent after effects occur in cases of recovery from acute exposures unless oxygen deprivation of the nervous system is prolonged. However, in cases of acute exposures, there is always the possibility that pulmonary edema may develop. It is also reported that symptoms such as nervousness, dry nonproductive coughing, nausea, headache, and insomnia, lasting up to about three days, have occurred after acute exposures to Hydrogen Sulfide.

At low concentrations the predominant effect of Hydrogen Sulfide is on the eyes and respiratory tract. Eye irritation, conjunctivitis, pain, lacrimation, keratitis, and photophobia may persist for several days. Respiratory tract

symptoms include coughing, painful breathing, and pain in the nose and throat.

There is no evidence that repeated exposures to Hydrogen Sulfide result in accumulative or systemic poisoning. Effects such as eye irritation, respiratory tract irritation, slow pulse rate, lassitude, digestive disturbances, and cold sweats may occur, but these symptoms disappear in a relatively short time after removal from the exposure. Repeated exposures to Hydrogen Sulfide do not appear to cause any increase or decrease in susceptibility to this gas.

The paralytic effect of Hydrogen Sulfide on the olfactory nerve is probably the most significant property of the gas. This paralysis may create a false sense of security. A worker can be overcome after the typical rotten-egg odor has disappeared. Rather than the characteristic Hydrogen Sulfide odor, some victims of sudden acute overexposure have reported a brief, sickeningly sweet odor just prior to unconsciousness.

Subjective olfactory responses to various concentrations of Hydrogen Sulfide have been summarized as follows:

0.02 ppm	No Odor
0.13 ppm.....	Minimal perceptible odor
0.77 ppm.....	Faint, but readily perceptible odor
4.60 ppm.....	Easily detectable, moderate odor
27.0 ppm.....	Strong, unpleasant odor, but not intolerable

Physiological responses to various concentrations of Hydrogen Sulfide have been reported as follows:

10 ppm	Beginning eye irritation
50-100 ppm	Slight conjunctivitis and respiratory tract irritation after 1 hour exposure.

	100 ppm	Coughing, eye irritation, loss of sense of smell after 2-15 minutes. Altered respiration, pain in the eyes, and drowsiness after 15-30 minutes, followed by throat irritation after 1 hour. Several hours' exposure results in gradual increase in severity of these symptoms and death may occur within the next 48 hours.
	200-300 ppm	Marked conjunctivitis and respiratory tract irritation after 1 hour of exposure.
	500-700 ppm	Loss of consciousness and possibility of death in 30 minutes to 1 hour.
	700-1000 ppm	Rapid unconsciousness, cessation of respiration, and death.
	1000-2000 ppm	Unconsciousness at once, with early cessation of respiration and death in a few minutes. Death may occur even if individual is removed to fresh air at once.

Acceptable Concentrations

Acceptable Eight-Hour Time-Weighted Average

To avoid discomfort, the time-weighted average concentration of Hydrogen Sulfide shall not exceed 10 ppm.

Acceptable Ceiling Concentrations

The acceptable concentration for protection of health for an eight-hour, five-day week shall be 20 ppm. Fluctuations are to occur below this concentration.

Acceptable Maximum for Peaks Above Acceptable Base Line for Continuous Exposure

A single-peak concentration not exceeding 50 ppm for a maximum of 10 minutes is allowable provided that the daily time-weighted average is not exceeded.

H₂S Equivalents

<u>Parts per Million</u>	<u>Percent</u>	<u>Grains per 100 cu. ft.</u>
1	.0001	.055
10	.001	.55
18	.0018	1.0
100	.01	5.5
1000	.1	55.5
10000	1.0	555.5

Grains per 100 cu. ft. = % by volume Mole 636.4 1% by volume = 10,000 ppm

B. Sulfur Dioxide

Sulfur Dioxide (SO₂) is a colorless, transparent gas and is non-flammable.

Sulfur Dioxide is produced during the burning of H₂S. Although SO₂ is heavier than air, it will be picked up by a breeze and carried downwind at elevated temperatures. While Sulfur Dioxide is extremely irritating to the eyes and mucous membranes of the upper respiratory tract, it has exceptionally good warning powers in this respect.

Physical - Chemical Properties

Chemical Formula	SO ₂
1. Specific Gravity (air = 1.000)	2.212
2. Color	None
3. Flammable	No
4. Odor	Characteristic, pungent, gives ample warning of its presence.
5. Corrosivity	Dry – not corrosive to ordinary metals Wet – corrosive to most common metals
6. Allowable Concentrations	5 ppm (ACGIH) 5 ppm (OSHA)
7. Effects on Humans	Irritates eyes, throat and upper respiratory system

Concentrations & Effects

<u>%SO₂</u>	<u>ppm</u>	<u>Effects</u>
0.0005	5	Pungent odor-normally a person can detect SO ₂ in this range.
0.001	10	Safe for eight (8) hour exposure.
0.0012	12	Throat irritation, coughing, constriction of the chest, tearing and smarting of the eyes.
0.015	150	So irritating that it can only be endured for a few minutes.
0.05	500	Causes a sense of suffocation, even with the first breath.

Toxic Properties

Sulfur Dioxide is an irritating gas in its vapor form and the odor is so intensely irritating that concentrations of 3 to 5 parts per million in the air are readily detectable by the normal person. In higher concentrations, the severely irritating effect of the gas makes it unlikely that any person would be able to remain in a Sulfur Dioxide contaminated atmosphere unless he were unconscious or trapped.

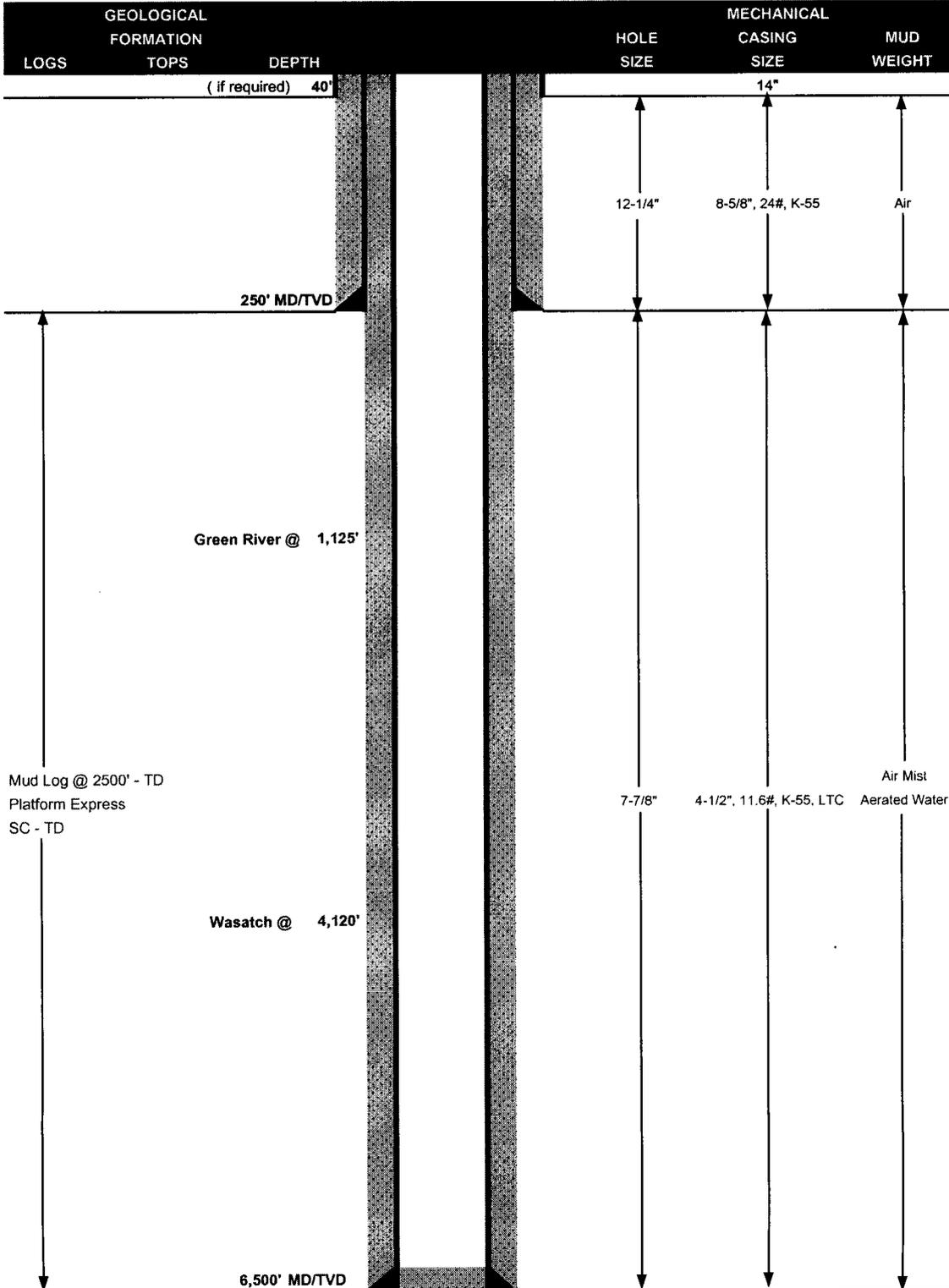
Sulfur Dioxide gas is intensely irritating to the eyes, throat, and upper respiratory system. Inhalation of this gas in concentrations of 8 to 12 parts per million in air causes throat irritation, coughing, constriction of the chest, tearing and smarting of the eyes. 150 parts per million is so extremely irritating that it can be endured only for a few minutes. 500 parts per million is so acutely irritating to the upper respiratory tract that it causes a sense of suffocation, even with the first breath.

Out of numerous reported exposures to Sulfur Dioxide, there are few references that would indicate pneumonia as an after effect.

COASTAL OIL & GAS CORPORATION

DRILLING PROGRAM FOR APD

COMPANY NAME Coastal Oil & Gas Corporation DATE March 20, 2001
 WELL NAME **NBU #348** TD 6,500' MD/TVD _____
 FIELD NBU COUNTY Uintah STATE Utah ELEVATION 5,185' KB _____
 SURFACE LOCATION 231' FSL & 1256' FWL, Sec. 11, T10S, R22E BHL Straight Hole
 OBJECTIVE ZONE(S) Wasatch
 ADDITIONAL INFO _____



COASTAL OIL & GAS CORPORATION DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2950	1370	263000
SURFACE	8-5/8"	0-250'	24.00	K-55	STC	21.03	11.71	4.70
						5350	4960	180000
PRODUCTION*	4-1/2"	0-TD	11.60	K-55	LTC	2.33	1.47	1.44

- 1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)
 - 2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)
 - 3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)
- (Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50,000 lbs overpull)

CEMENT PROGRAM

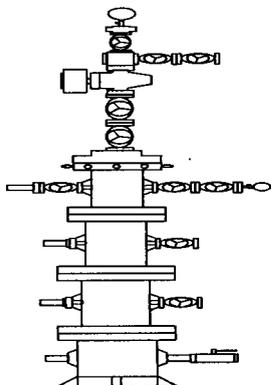
		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE		250	Class G + 2% CaCl ₂ + 0.25 lb/sk Cello Flake	90	35%	15.80	1.17
PRODUCTION	LEAD	3,620'	Hifill Mod. +16% gel + 3% salt + 10#/sk gilsonite + 1% HR7 + 0.6% Econolite + 0.2% FWCA + 0.25 lb/sk Flocele	390	50%	11.60	3.12
	TAIL	2,880'	50/50 POZ + 2% gel + 2% Microbond + 5% salt + 0.2% Super CBL + 0.6% HALAD 322 + 0.25 #/sk Flocele	800	50%	14.35	1.25

* or 15% over caliper log

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt. float collar. Centralize first 3 joints & every other joint to surface with bow spring centralizers. Thread lock FE up to & including pin end of FC.
PRODUCTION	Guide shoe, 1 jt. float collar. Centralize first 3 joints & every other joint to top of tail cement with bow spring centralizers.

WELLHEAD EQUIPMENT



TREE	2-1/16" 5M
TUBING HEAD	11" 3M X 7-1/16" 5M
CASING SPOOL	
CASING SPOOL	
CASING HEAD	8-5/8" SOW X 11" 3M

COASTAL OIL & GAS CORPORATION DRILLING PROGRAM

BIT PROGRAM

ROCK BIT & PDC BIT PROGRAM						
INTERVAL	HOLE	BIT MFG & MODEL	GPM	SERIAL	NZLS	COMMENTS
Surface Hole	12-1/4"	Various				
Surf Csg - TD	7-7/8"	SEC XS44	Air/Mist Aerated	New	16-16-16	

If the air is discontinued, use a SEC 2665rv or a HTC DP363 on a mud motor to TD
 If a second bit is required and the air is needed use another XS44.

GEOLOGICAL DATA

LOGGING:	Depth	Log Type
	SC - TD	Platform Express

MUD LOGGER: SC - TD
SAMPLES: As per Geology
CORING: NA
DST: NA

MUD PROGRAM

DEPTH	TYPE	WATER			TREATMENT
		MUD WT	LOSS	VISCOSITY	
0-Trona (0 - +/-2,000')	Air/Mist	NA	NA		Polymer, Gel Gyp, Lime
Trona-TD (+/- 2,000' - TD)	Aerated Water	NA	NC	NA	Polymer, Gyp, Lime

After reaching TD, circulate hole until clean, then make a wiper trip. Report any bridges or fill encountered on trip.
 After a successful wiper trip, chain out of the hole to log.

REPORT ALL LOSSES, INCLUDING SEEPAGE

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Run Totco survey every 500' from surface casing shoe to TD. Maximum allowable hole angle is 5 degrees.
 Treat for corrosion as per plan.

DRILLING ENGINEER: Christa Yin **DATE:** _____
DRILLING MANAGER: Darrell Molnar **DATE:** _____
DRILLING DIRECTOR: Steve Hayes **DATE:** _____

**NBU #348
SW/SW Sec. 11, T10S-R22E
Uintah County, UT
U-01197-A-ST**

**ONSHORE ORDER NO. 1
COASTAL OIL & GAS CORPORATION**

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
KB	5185'
Green River	1125'
Wasatch	4120'
Total Depth	6000'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1125'
Gas	Wasatch	4120'
Water	N/A	
Other Minerals	N/A	
Total Depth		6000'

3. Pressure Control Equipment (Schematic Attached)

The BOP stack will consist of one 11" 3,000 psi annular BOP, one 11" 3,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 5,000 psi.

4. Proposed Casing & Cementing Program:

Refer to the attached Cement & Casing Program.

5. Drilling Fluids Program:

Refer to the attached Mud Program.

6. **Evaluation Program:** (Logging)

Refer to the attached Logging Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated @ 6000' TD approximately equals 2,400 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1,080 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

NBU #348
SW/SW Sec. 11, T10S-R22E
Uintah County, UT
U-01197-A-ST

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

Improvements to existing access roads shall be determined at the on-site inspection.

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

2. Planned Access Roads:

Refer to Topo Map B for the location of the proposed access road.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet, ***unless modified at the on-site inspection.*** Appropriate water control will be installed to control erosion.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities shall be determined at the on-site.

The access road was centerline flagged during time of staking.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

The following guidelines will apply if the well is productive.

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The required color is Desert Brown, Munsell standard color number 10 YR 6/3.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

The proposed pipeline will leave the wellpad in a southeasterly direction for an approximate distance of 250'. Refer to Topo D.

5. Location and Type of Water Supply:

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec. 32, T4S, R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

6. Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids. *The need for a reserve pit liner will be determined at the on-site inspection.*

If a plastic reinforced liner is used, it will be a minimum of 12 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will

be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159 Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S R20E, MC&MC, Sec. 12, T6S, R19E.

8. **Ancillary Facilities:**

None are anticipated.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s). ***This section is subject to modification as a result of the on-site inspection.***

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

If it is determined that a pit liner will be used at the on-site inspection, the reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

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

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

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

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

10. Plans for Reclamation of the Surface:

Producing Location:

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. Surface Ownership:

State of Utah
SITLA
675 East 500 South
Salt Lake City, UT 84102-2818

12. Other Information:

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey has been conducted. A copy of this report is attached.

13. Lessee's or Operators's Representative & Certification:

Cheryl Cameron
Senior Regulatory Analyst
Coastal Oil & Gas Corporation
P.O. Box 1148
Vernal, UT 84078
(435) 781-7023

Darrell Molnar
Drilling Manager
Coastal Oil & Gas Corporation
9 Greenway Plaza, Suite 2770
Houston, TX 77046
(713) 418-4295

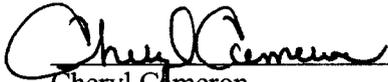
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. Coastal Oil & Gas Corporation agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Coastal Oil & Gas Corporation Bond #102103.

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


Cheryl Cameron

2/22/01

Date

COASTAL OIL & GAS CORP.

NBU #348

SECTION 11, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 11.5 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN SOUTHEASTERLY DIRECTION APPROXIMATELY 12.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.4 MILES THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 2.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NORTHWEST; FOLLOW ROAD FLAGS IN AN NORTHWESTERLY DIRECTION APPROXIMATELY 200' TO THE PROPOSED LOCATION.

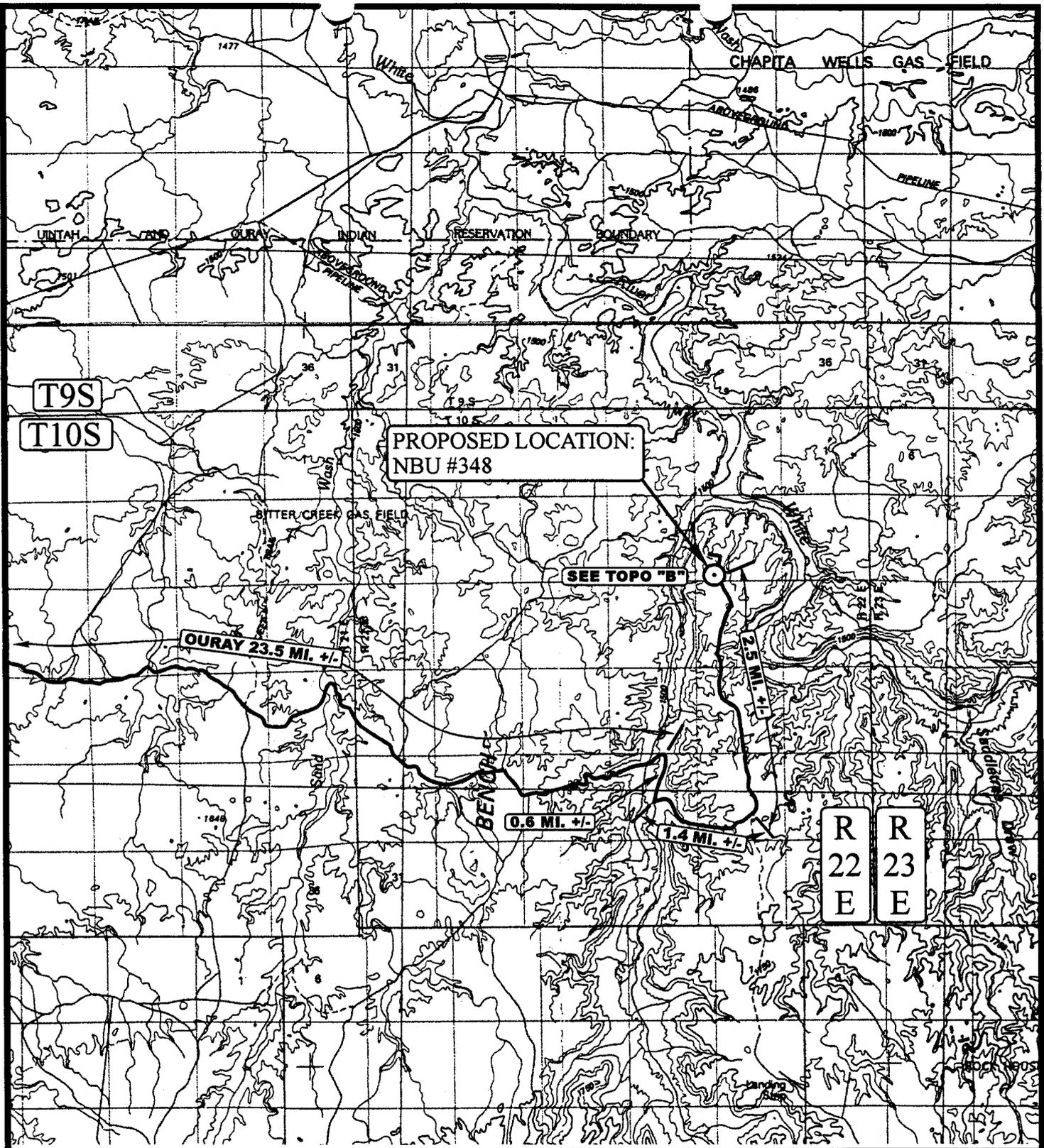
TOTAL DISTANCE TO VERNAL IS APPROXIMATELY 59. MILES.

DENVER DISTRICT - E & S

NOV 16 1998

BLC ___ RAD ___ SCP ___ CEL ___
SAB ___ JRN ___ MDE ___ LPS ___

XC: Drlg
PEBO
RSL
DHS



LEGEND:

○ PROPOSED LOCATION

COASTAL OIL & GAS CORP.

NBU #348

SECTION 11, T10S, R22E, S.L.B.&M.

231' FSL 1256' FWL



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

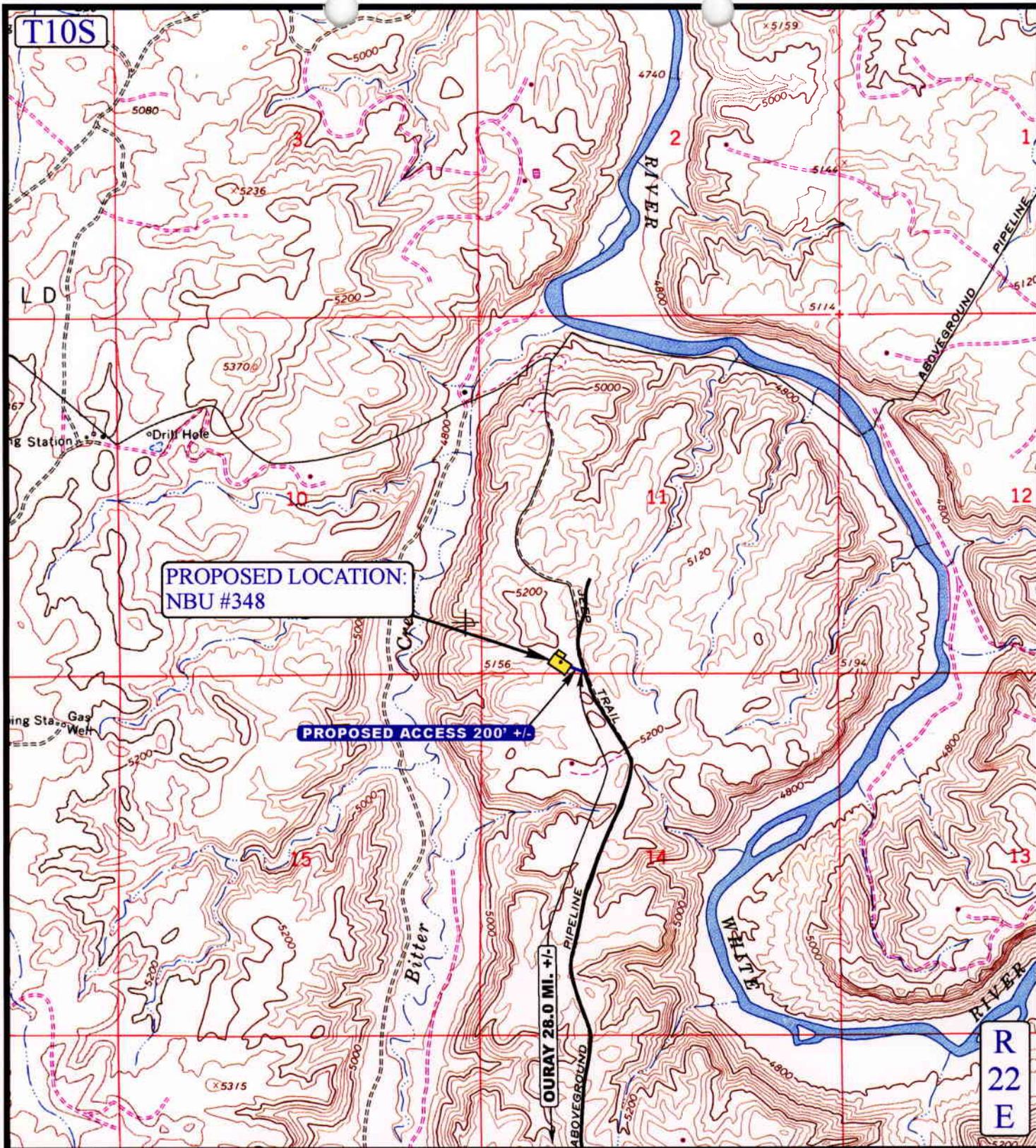


TOPOGRAPHIC
 MAP

11	3	98
MONTH	DAY	YEAR

SCALE: 1:100,000 | DRAWN BY: C.G. | REVISED: 00-00-00

A
 TOPO



**PROPOSED LOCATION:
NBU #348**

PROPOSED ACCESS 200' +/-

OURAY 28.0 MI. +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



COASTAL OIL & GAS CORP.

NBU #348
SECTION 11, T10S, R22E, S.L.B.&M.
231' FSL 1256' FWL



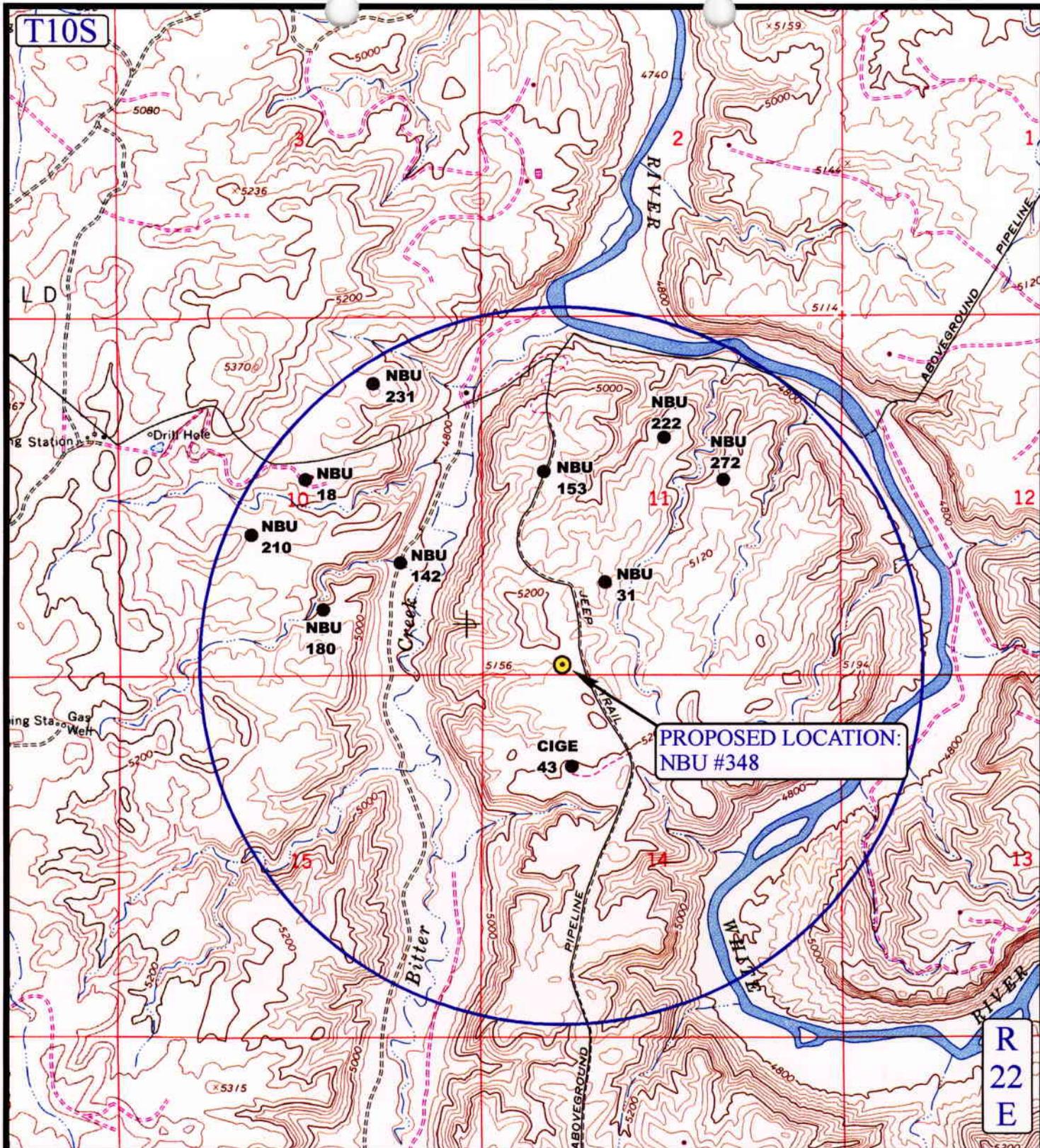
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

11 3 98
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





LEGEND:

- | | |
|-------------------|-------------------------|
| ⊗ DISPOSAL WELLS | ⊗ WATER WELLS |
| ● PRODUCING WELLS | ⊖ ABANDONED WELLS |
| ⊖ SHUT IN WELLS | ⊖ TEMPORARILY ABANDONED |



COASTAL OIL & GAS CORP.

NBU #348
SECTION 11, T10S, R22E, S.L.B.&M.
231' FSL 1256' FWL



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

TOPOGRAPHIC
MAP

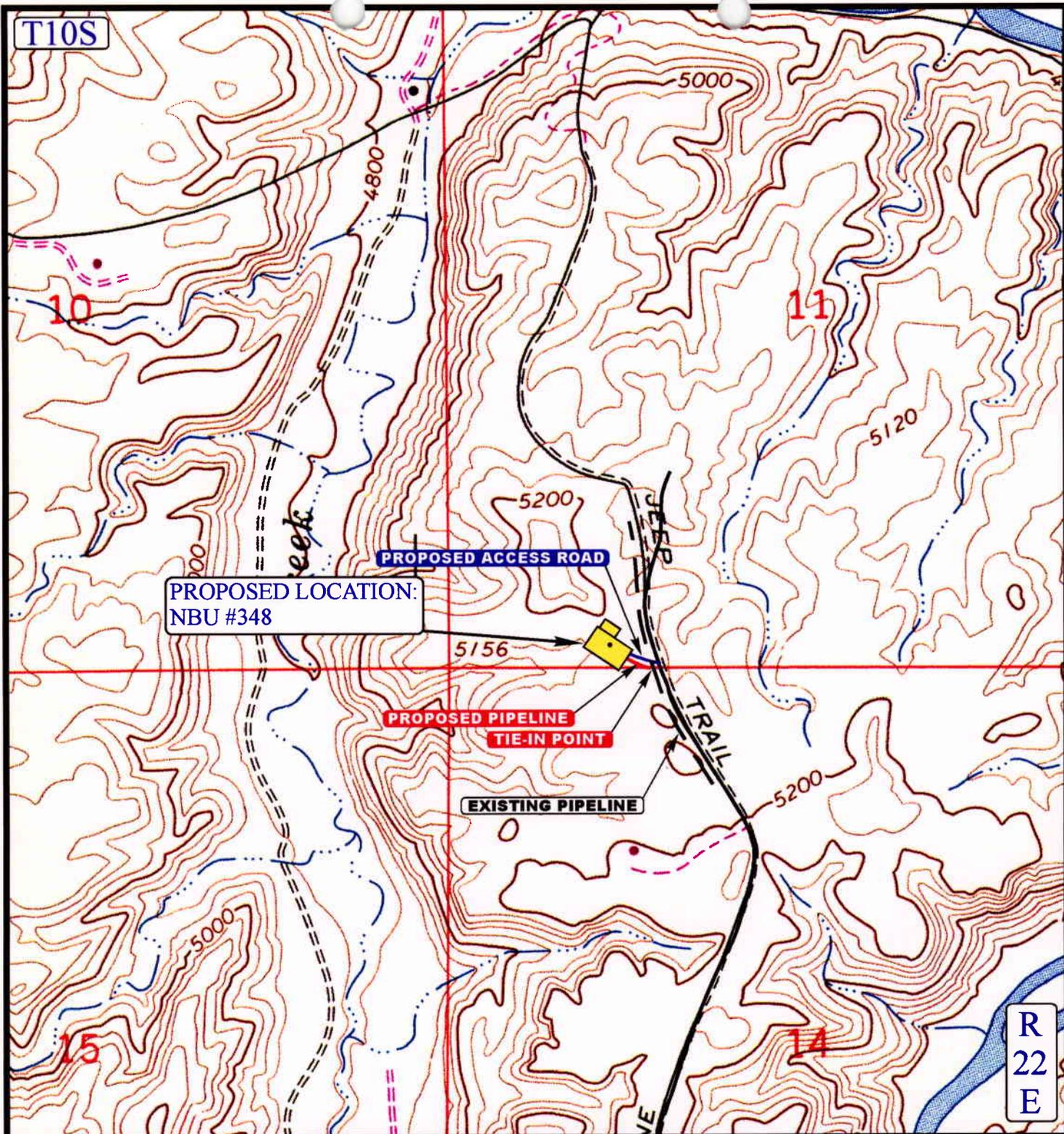
11 3 98
 MONTH DAY YEAR

SCALE: 1" = 2000'

DRAWN BY: C.G.

REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 250' +/-

LEGEND:

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS

N



COASTAL OIL & GAS CORP.

NBU #348

SECTION 11, T10S, R22E, S.L.B.&M.

231' FSL 1256' FWL



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

**TOPOGRAPHIC
MAP**

11 3 98
 MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: C.G.

REVISED: 00-00-00



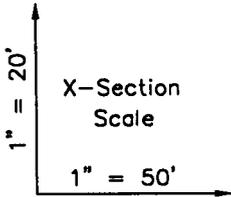
COASTAL OIL & GAS CORP.

TYPICAL CROSS SECTIONS FOR

NBU #348

SECTION 11, T10S, R22E, S.L.B.&M.

231' FSL 1256' FWL



DATE: 11-08-98
Drawn By: D.R.B.

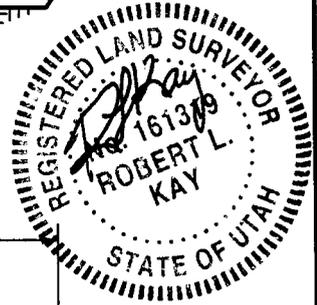
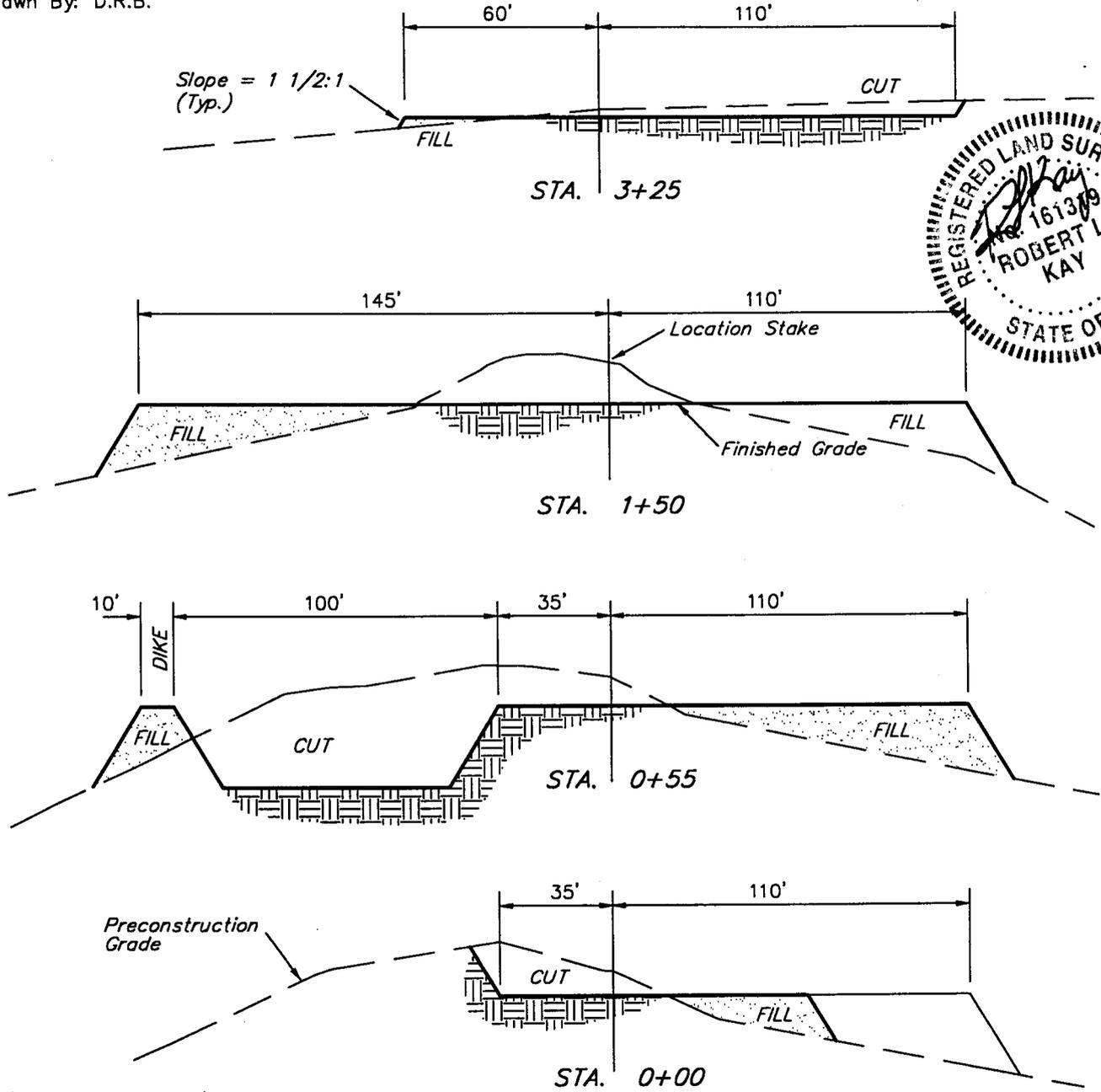


FIGURE #2

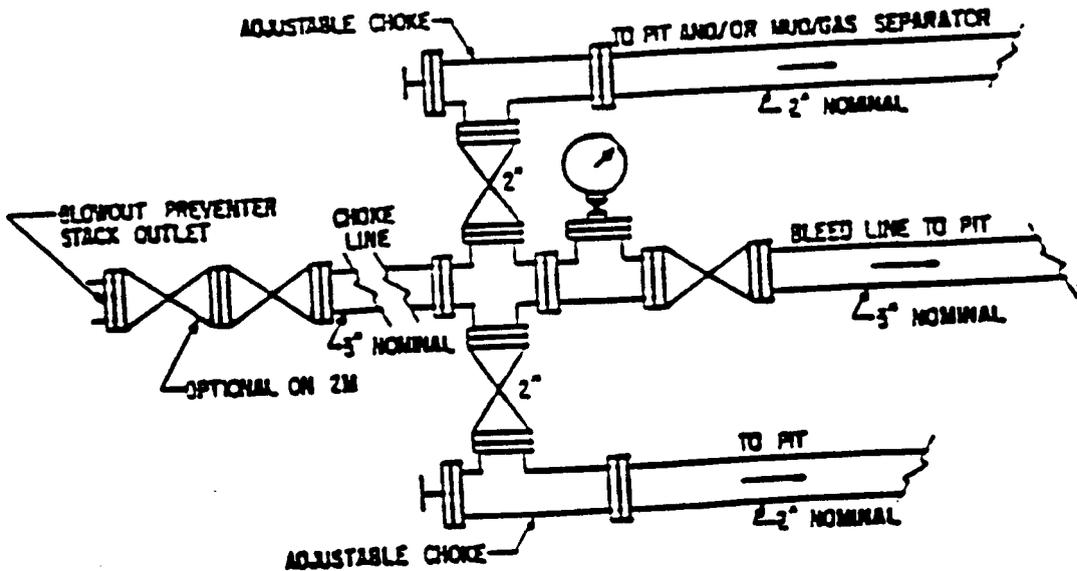
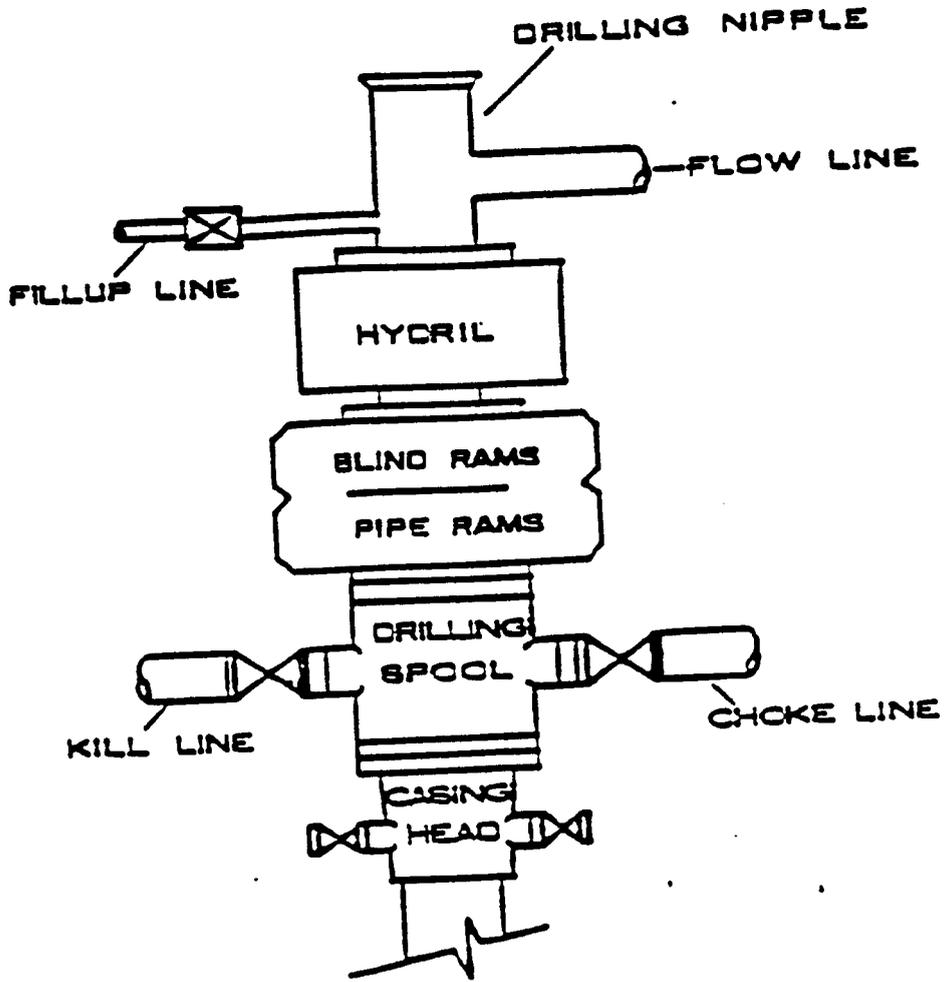
APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,140 Cu. Yds.
Remaining Location	= 6,160 Cu. Yds.
TOTAL CUT	= 7,300 CU.YDS.
FILL	= 4,580 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,480 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,480 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

3,000 PSI

EOP STACK





MONTGOMERY
ARCHAEOLOGICAL
CONSULTANTS

Box 147, 322 East 100 South, Moab, Utah 84532 (435) 259-5764 Fax (435) 259-5608

December 17, 1998

DENVER DISTRICT - E & S

Ms. Sheila Bremer
Coastal Oil & Gas Corporation
Box 749
Denver, CO 80201-0749

DEC 21 1998

BLC ___ RAD ___ SCP ___ CEL ___
SAB AK JRN ___ MDE ___ LPS ___

xc: DTG
RNL

Dear Ms. Bremer:

Enclosed please find the report entitled "Cultural Resource Inventories of CIGE 247, NBU 345, and NBU 348 Well Locations, Access Road, and Pipeline, Uintah County, Utah." This inventory resulted in no cultural resources. Based on the findings, a determination of "no effect" is recommended pursuant to Section 106, CFR 800 for this undertaking.

Copies of the report have been sent to the appropriate agencies. If you have any comments and questions, please call me. Happy Holidays!

Sincerely,

Keith R. Montgomery
Principal Investigator

cc: James Dykmann, Compliance Archaeologist, Utah SHPO

**CULTURAL RESOURCE INVENTORIES OF
CIGE 247, NBU 345 AND NBU 348 WELL LOCATIONS
ACCESS ROAD AND PIPELINE
UINTAH COUNTY, UTAH**

by

Keith R. Montgomery

Prepared For:

State of Utah

Prepared Under Contract With:

**Coastal Oil & Gas Corporation
P.O. Box 749
Denver, Colorado 80201**

Prepared By:

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

December 17, 1998

**United States Department of Interior (FLPMA)
Permit No. 98-UT-60122**

**State of Utah Antiquities Project (Survey)
Permit No. U-98-MQ-0715s**

INTRODUCTION

Cultural resource inventories were conducted by Montgomery Archaeological Consultants in November 1998, for Coastal Oil & Gas Corporation's proposed well locations CIGE 247, NBU 345, and NBU 348. The project area is located in the Natural Buttes gas field, in northeastern Utah, Uintah County, Utah. The survey was implemented at the request of Sheila Bremer, Coastal Oil & Gas Corporation, Denver, Colorado. The inventory area is situated on State of Utah

The objective of the inventories were to locate, document, and evaluate any cultural resources and within the project area in order to comply with Section 106 of 36 CFR 800, the National Historic Preservation Act of 1966 (as amended). Also, the inventories were implemented to attain compliance with a number of federal and state mandates, including the National Environmental and Policy Act of 1969, the Archaeological and Historic Conservation Act of 1972, the Archaeological Resources Protection Act of 1979, the American Indian Religious Freedom Act of 1978, and Utah State Antiquities Act of 1973 (amended 1990).

The archaeological fieldwork was performed by Keith R. Montgomery, Principal Investigator for Montgomery Archaeological Consultants on November 25, 1998, under the auspices of U.S.D.I. (FLPMA) Permit No. 98-UT-60122 and State of Utah Antiquities Permit (Survey) No. U-98-MQ-0715s.

A file search for previous archaeological inventories and documented cultural resources was conducted by the author in August 1998 for the Coastal Oil and Gas 1999 Drilling Program at the Division of State History, Antiquities Section, Salt Lake City. This consultation indicated that several archaeological projects have been completed in the project area. In the vicinity of proposed CIGE 247 two projects have been completed. In 1990, an archaeological survey was conducted for the Book Cliffs Highway by AERC (Hauck and Hadden 1990). In 1995, an alternate route for the Glen Bench Road was surveyed by AERC (Hauck and Hadden 1995). In the area of NBU 345 two surveys have been conducted. In 1994, Metcalf Archaeological Consultants inventoried Well Location CIGE 186-35-9-22 for Coastal Oil & Gas Corporation (Spath 1994). In 1996, a Class III inventory was completed by Metcalf Archaeological Consultants for Coastal Oil & Gas Corporation (Spath 1996). One inventory was conducted in the area of NBU 348 by Brigham Young University for the Tosco Sand Wash Shale Oil Plant (Nielson 1981). The records search indicated that no archaeological sites have been documented in the immediate project area.

DESCRIPTION OF PROJECT AREA

The project area is situated approximately 13 miles southeast of the town of Ouray, Uintah County, Utah. It lies within the Uinta Basin physiographic unit, a distinctly bowl-shaped geologic structure (Stokes 1986:231). Specifically, the inventory area is situated in an area of broad erosional benches, buttes, and ridges dissected by drainages. The geology consists of the Early Tertiary age Uintah formation composed of thin-bedded flood plain deposits which overlays the Duchesne formations characterized by river-deposited conglomerate, sandstone, and fine-grained rocks. The nearest permanent water source is the White River located on the east side of the project area. Major intermittent drainages which dissect the area include Sand Wash, Cottonwood Wash, and Bitter Creek. The elevation of the project area averages 5240 feet a.s.l. Vegetation cover is an Upper Sonoran desert shrub community which includes shadscale, sagebrush, greasewood, snakeweed, prickly pear cactus, Russian thistle, and blue gamma. Modern disturbances to the landscape includes roads, well locations, and pipelines mainly associated with oil/gas exploration.

The inventory area consists of three proposed well locations, an access road and pipeline. Proposed CIGE 247 is situated along the edge of a broad ridge just east of Cottonwood Wash (Figure 1). Proposed NBU 345 is located on the northeast end of East Bench slightly west of Bitter Creek (Figure 2). Proposed NBU 348 occurs on the north end of Archy Bench between Bitter Creek and the White River (Figure 2). The legal description is T 10S, R 21E, S. 10 and 16 and T 10S, R 22E S. 11 and 14 (Table 1).

Table 1. Coastal Oil & Gas Corporations Well Location Descriptions

Well Number	Legal Location	Location at Surface	Access Road Pipeline	Cultural Resources
CIGE 247	T10S R21E S.16 SW/SE	878' FSL 1765' FEL	Access 150' Pipeline 3600'	None
NBU 345	T10S R21E S.10 SW/NE	1524' FNL 2539' FEL	In 10 Acre	None
NBU 348	T10S R22E S.11 & 14	231' FSL 1256' FWL	In 10 Acre	None

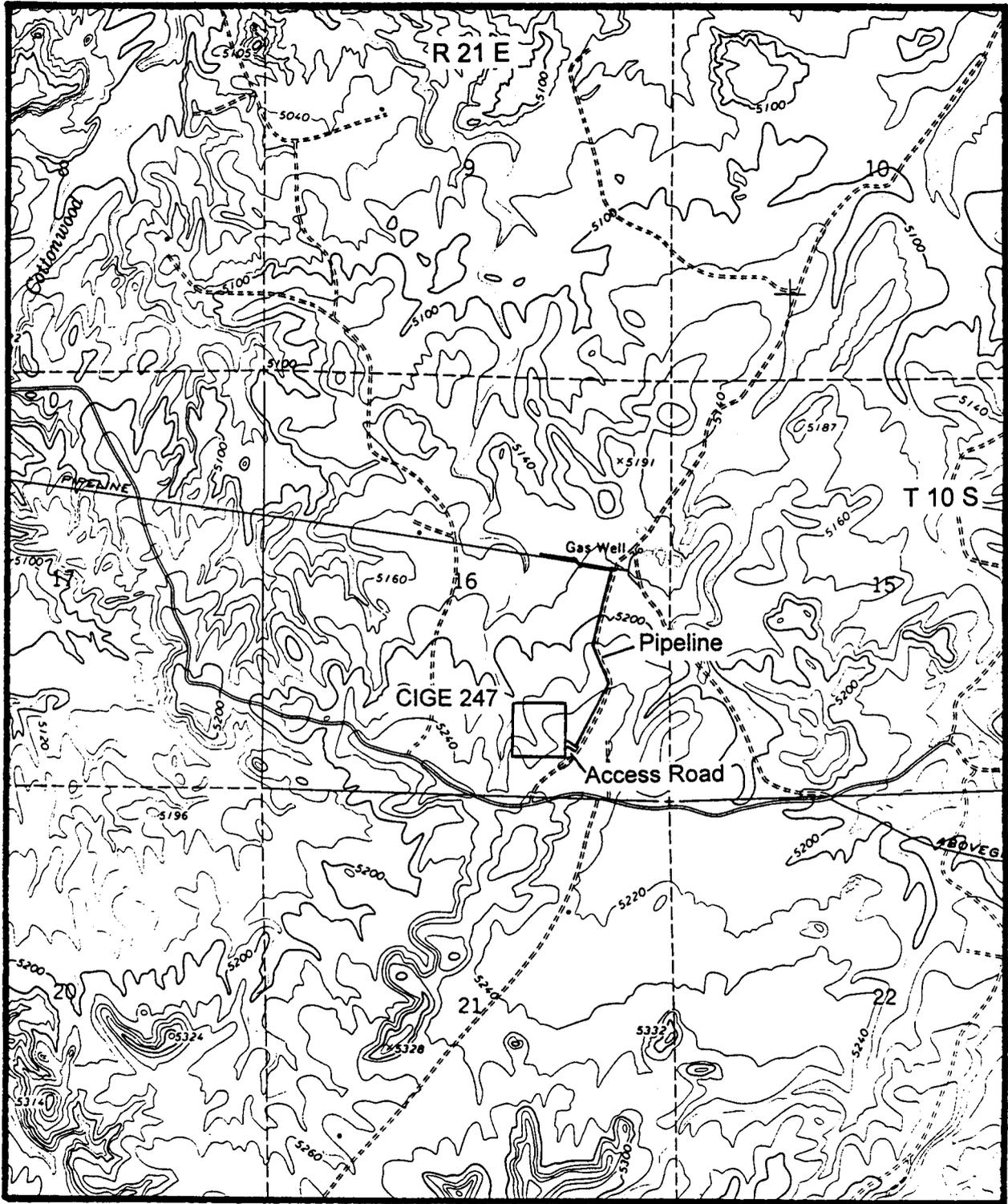


Figure 1. Inventory Area of Coastal Oil and Gas Corporation's Proposed Well Location CIGE 247, Access Road and Pipeline, Uintah County, UT. USGS 7.5' Big Pack Mtn. NE, UT 1968. Scale 1:24000.

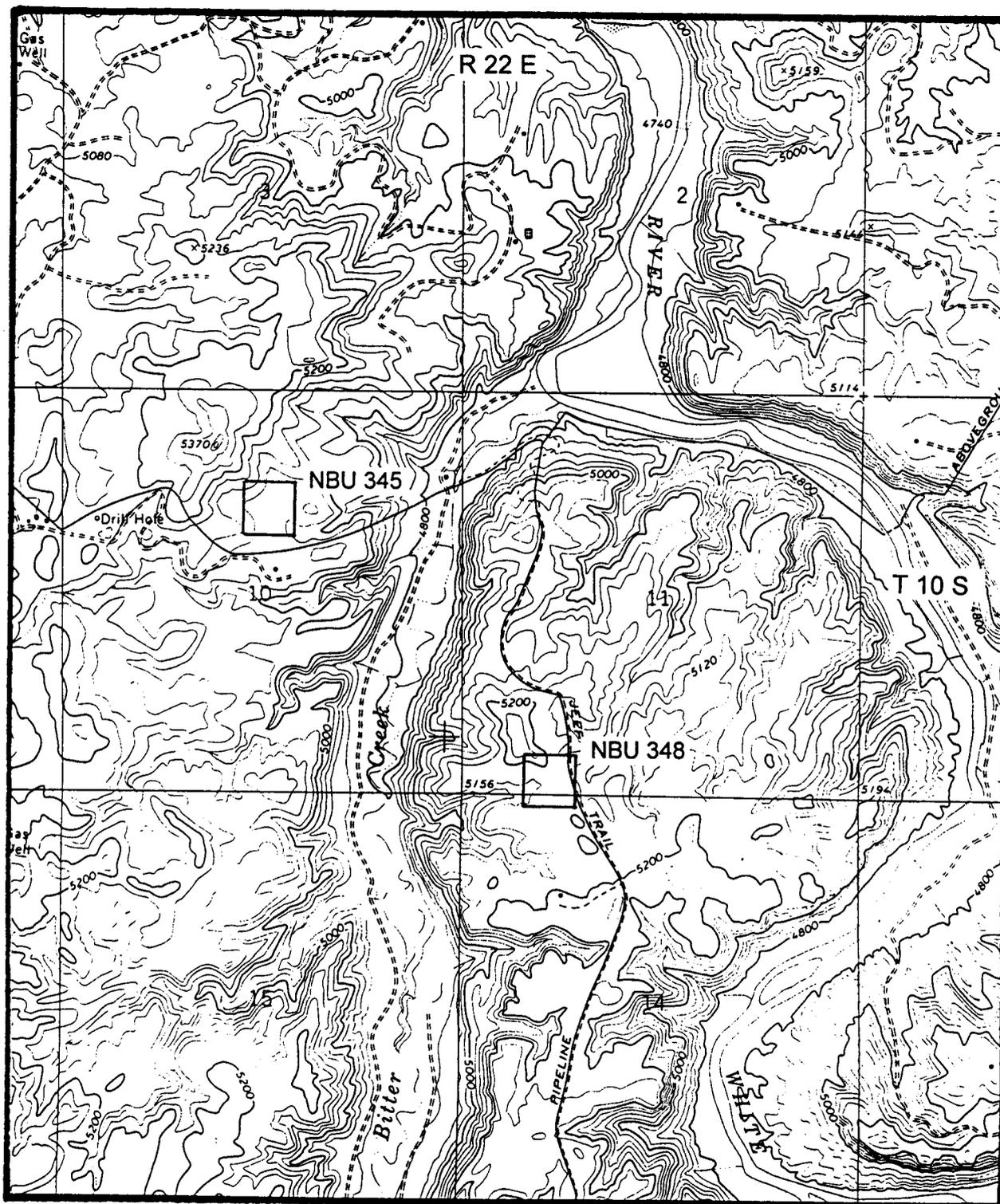


Figure 2. Inventory Area of Coastal Oil and Gas Corporation's Well Locations NBU 345 and NBU 348, Uintah County, UT. USGS 7.5' Archy Bench, UT 1968. Scale 1:24000.

SURVEY METHODOLOGY

An intensive pedestrian survey was performed by the author for this project which is considered 100% coverage. At each of the three proposed well locations, a 10 acre square was defined, centered on the well pad center stake. The interiors of the well locations were examined for cultural resources by the archaeologist walking parallel transects spaced no more than 10 meters (30 feet) apart. The access road and pipeline corridor for CIGE 247 were surveyed to a 100 foot width by the archaeologist walking parallel transects along the staked centerline, spaced no more than 10 meters (30 feet) apart. Ground visibility was considered good. A total of 38.6 acres was surveyed for this inventory.

RESULTS AND RECOMMENDATIONS

The inventory of Coastal Oil & Gas Corporation's proposed three well locations, access road, and pipeline corridor resulted in no cultural or paleontological resources. Based on these findings, a determination of "no effect" is recommended for this project pursuant to Section 106, CFR 800.

REFERENCES CITED

Hauck F.R., and Glade Hadden

1990 Archaeological Evaluation of Several Proposed Book Cliffs Highway Routes, Uintah and Grand Counties, Utah. Archeological-Environmental Research Corporation, Bountiful, UT. Report No. 90-AF-113.

1995 Cultural Resource Evaluation of a Proposed Alternate Route Segment for the Glen Bench Road in the White River Locality of Uintah County, Utah. Archeological-Environmental Research Corporation, Bountiful, UT. Report No. 95-AF-307.

Nielson, Asa

1981 Cultural Resource Inventory of TOSCO Corporation's Sand Wash Shale Oil Plant Inventory, Uintah County, Utah. Brigham Young University, Cultural Resource Management Services, Provo, UT. Report No. 81-BC-721.

Spath, Carl

1994 Class III Inventory of Coastal Oil and Gas Corporation's CIGE 186-35-9-22 Well Pad and Access Road, Uintah County, Utah. Metcalf Archaeological Consultants, Eagle, CO. Report No. 94-MM-649.

1996 Class III Inventory of Coastal Oil and Gas Corporation's NBU 239, NBU 240, and NBU 242 Well Pads, Uintah County, Utah. Metcalf Archaeological Consultants, Eagle, CO. Report No. 94-MM-644.

Stokes, William L.

1986 Geology of Utah. Utah Museum of Natural History and Utah Geological and Mineral Survey, Salt Lake City.

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/26/2001

API NO. ASSIGNED: 43-047-34001

WELL NAME: NBU 348
 OPERATOR: COASTAL OIL & GAS CORP (N0230)
 CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:

SWSW 11 100S 220E
 SURFACE: 0231 FSL 1256 FWL
 BOTTOM: 0231 FSL 1256 FWL
 UINTAH
 NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	RAM	4/17/01
Geology		
Surface		

LEASE TYPE: 3-State
 LEASE NUMBER: U-01197-A-ST
 SURFACE OWNER: 3-State

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[] Sta[3] Fee[]
(No. 102103)
- Potash (Y/N)
- Oil Shale (Y/N) *190-5 (B) or 190-3
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date:)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

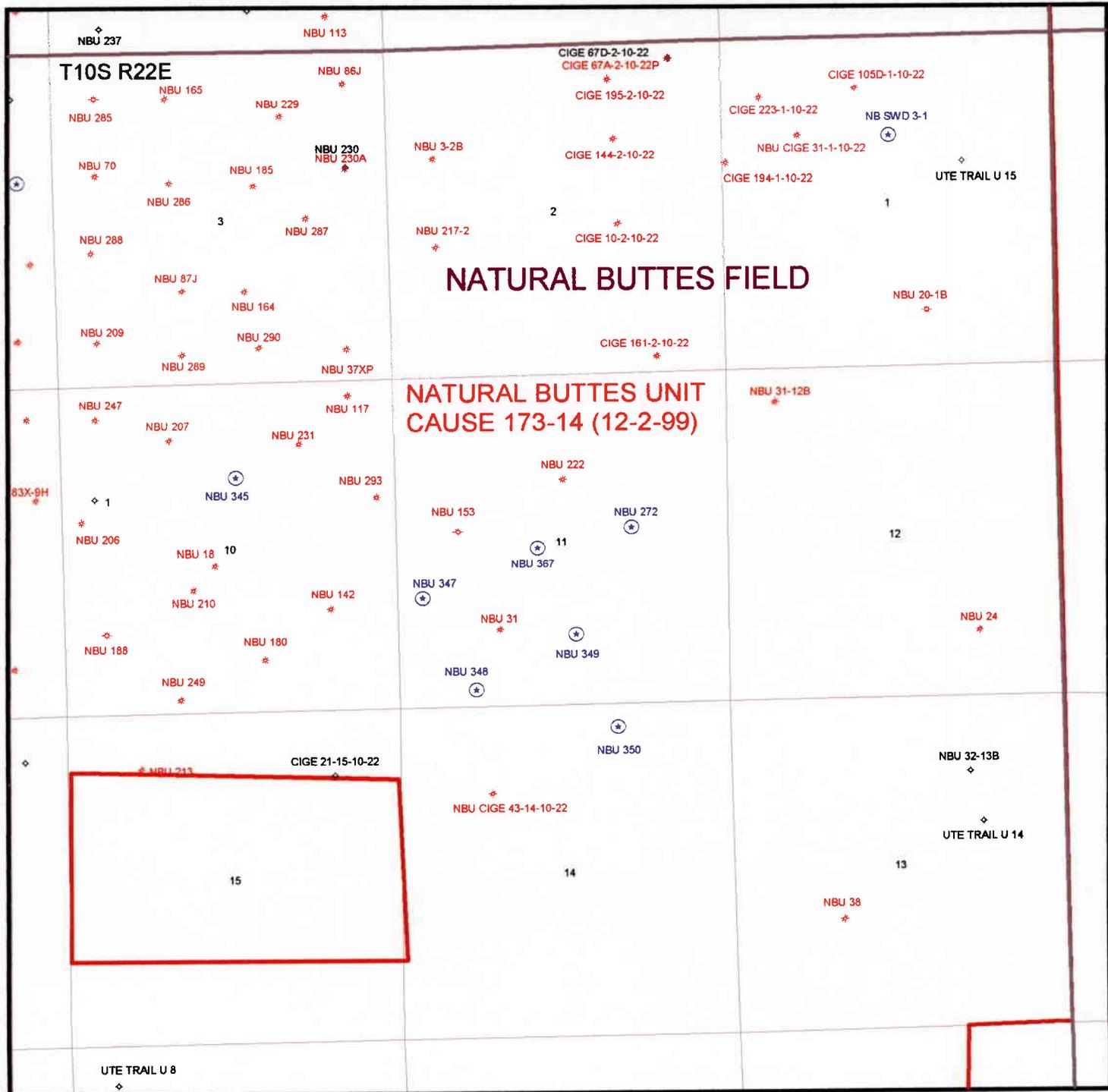
- R649-2-3. Unit NATURAL BUTTES
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-99
Siting: 460' Fr. Unit Boundary E. Un comm. Tract
- R649-3-11. Directional Drill

COMMENTS: Need Presite (4-10-01)

STIPULATIONS: ① STATEMENT OF BASIS
② OIL SHALE



OPERATOR: COASTAL O&G CORP (N0230)
 SEC. 11, T10S, R22E
 FIELD: NATURAL BUTTES (630)
 COUNTY: UINTAH UNIT: NATURAL BUTTES
 CAUSE: 173-14



**DIVISION OF OIL, GAS AND MINING
APPLICATION FOR PERMIT TO DRILL
STATEMENT OF BASIS**

Operator Name: COASTAL OIL & GAS CORP.
Well Name & Number: NBU 348
API Number: 43-047-34001
Location: 1/4,1/4 SW/SW Sec. 11 T. 10S R. 22E

Geology/Ground Water:

Coastal proposes to set 250' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 4,200'. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of section 11. This is listed as being used for mining. No culinary use is indicated. The well is approximately a mile in distance from the proposed well. Depth of this well is 1390'. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Production casing cement should be brought to above the base of the moderately saline groundwater in order to isolate it from fresher waters uphole.

Reviewer: Brad Hill
Date: 04/16/2001

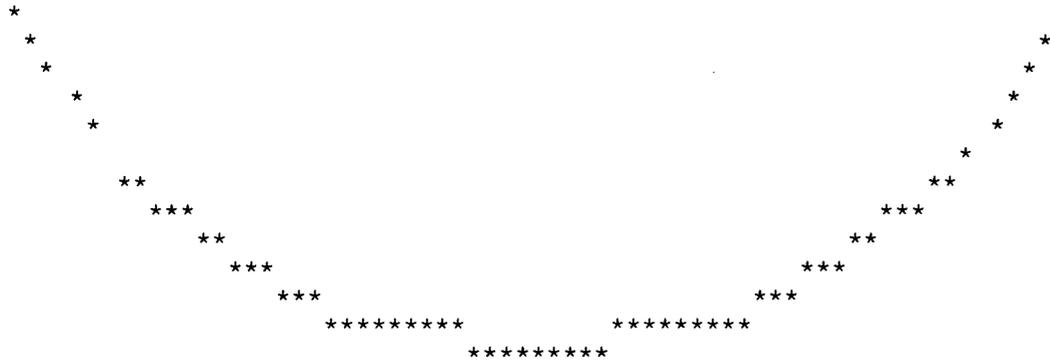
Surface:

The pre-drill investigation of the surface was performed on 4/10/2001. Surface owner is State of Utah. SITLA and DWR were notified of this investigation on 4/2/2001. Neither had a representative present. This site is not a legal location per general state siting rule. This site appears to be the best spot for a location in the immediate area. El Paso requests an exception location. A 12 mil liner with felt sub-liner will be required for the reserve pit. This proposed well is 2372' from the NBU 222. When this well was drilled in 1994, 60 PPM hydrogen sulfide gas was encountered. I told El Paso personnel that DOGM may require safety equipment be on location while drilling this well, including but not limited to, wind socks, alarms, escape packs and rescue packs. I also told them an H2S contingency plan may be required.

Reviewer: David W. Hackford
Date: 4/10/2001

Conditions of Approval/Application for Permit to Drill:

1. A 12 mil liner with felt sub-liner will be required for the reserve pit.
2. An H₂S contingency plan will be required for this well.



UTAH DIVISION OF WATER RIGHTS
 NWPLAT POINT OF DIVERSION LOCATION PROGRAM

MAP CHAR	WATER RIGHT	QUANTITY CFS	AND/OR	AC-FT	SOURCE DESCRIPTION DIAMETER	or WELL INFO DEPTH	YEAR LOG	POINT OF DIVERSION DESCRIPTION NORTH	EAST	CNR	SEC	TWN	RNG	B&M
0	49 353	.4000		.00	7	1390		S 2128	E 2313	NW 12	10S	22E	SL	
		WATER USE(S): MINING OTHER												
		Tosco Corporation												
						10100 Santa Monica Blvd								
														PRIORITY DATE: 07/10/197 Los Angeles

ON-SITE PREDRILL EVALUATION
Division of Oil, Gas and Mining

OPERATOR: COASTAL OIL & GAS CORP.
WELL NAME & NUMBER: NBU 348
API NUMBER: 43-047-34001
LEASE: STATE **FIELD/UNIT:** NATURAL BUTTES
LOCATION: 1/4,1/4 SW/SW SEC: 11 TWP:10S RNG: 22E
1256' F W L 231' F S L
LEGAL WELL SITING: Board Spaced area requiring 460 Setback
and 460 From an uncommitted tract.
GPS COORD (UTM): 12635635E 4424185N
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS:

CARROLL ESTES, CARROLL WILSON, CLAY ENERSON, (EL PASO): ROBERT KAY
(UELS); DAVID HACKFORD, (DOGM); THREE DIRT CONTRACTORS.

REGIONAL/LOCAL SETTING & TOPOGRAPHY:

SITE IS ON TOP OF A SHARP RIDGE WITH A DEEP DRAW TO THE WEST.
THIS DRAW RUNS SOUTHEAST FOR 0.25 MILES TO BITTER CREEK.
ANOTHER DEEP DRAW HEADS JUST EAST OF SITE AND RUNS 0.75 MILES TO
THE NORTHWEST TO THE WHITE RIVER. THIS AREA IS STEEP AND RUGGED.

SURFACE USE PLAN:

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING.
HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WOULD BE 325' BY 245'
AND ACCESS ROAD WOULD BE 200 FEET.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: SEE
ATTACHED MAP FROM GIS DATABASE

LOCATION OF PRODUCTION FACILITIES AND PIPELINES:
ALL PRODUCTION FACILITIES WILL BE ON LOCATION AND ADDED
AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL
WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF LOCATION.

ANCILLARY FACILITIES: NONE WILL BE REQUIRED.

WASTE MANAGEMENT PLAN:

DRILLED CUTTINGS WILL BE SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

ENVIRONMENTAL PARAMETERS:

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: NATIVE GRASSES, SAGEBRUSH, PRICKLY PEAR, SALT BRUSH, SHADSCALE: RODENTS, COYOTES, SONGBIRDS, RAPTORS, PRONGHORN.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY WITH DARK RED AND DARK GRAY SHALE ROCKS.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE ANY INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT:

CHARACTERISTICS: 100' BY 100' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A 12 MIL LINER WITH FELT SUB-LINER WILL BE REQUIRED FOR RESERVE PIT.

SURFACE RESTORATION/RECLAMATION PLAN:

AS PER S.I.T.L.A.

SURFACE AGREEMENT: AS PER S.I.T.L.A.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHAEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

OTHER OBSERVATIONS/COMMENTS:

THE PRE-DRILL INVESTIGATION TOOK PLACE ON A COOL, BREEZY DAY.

ATTACHMENTS:

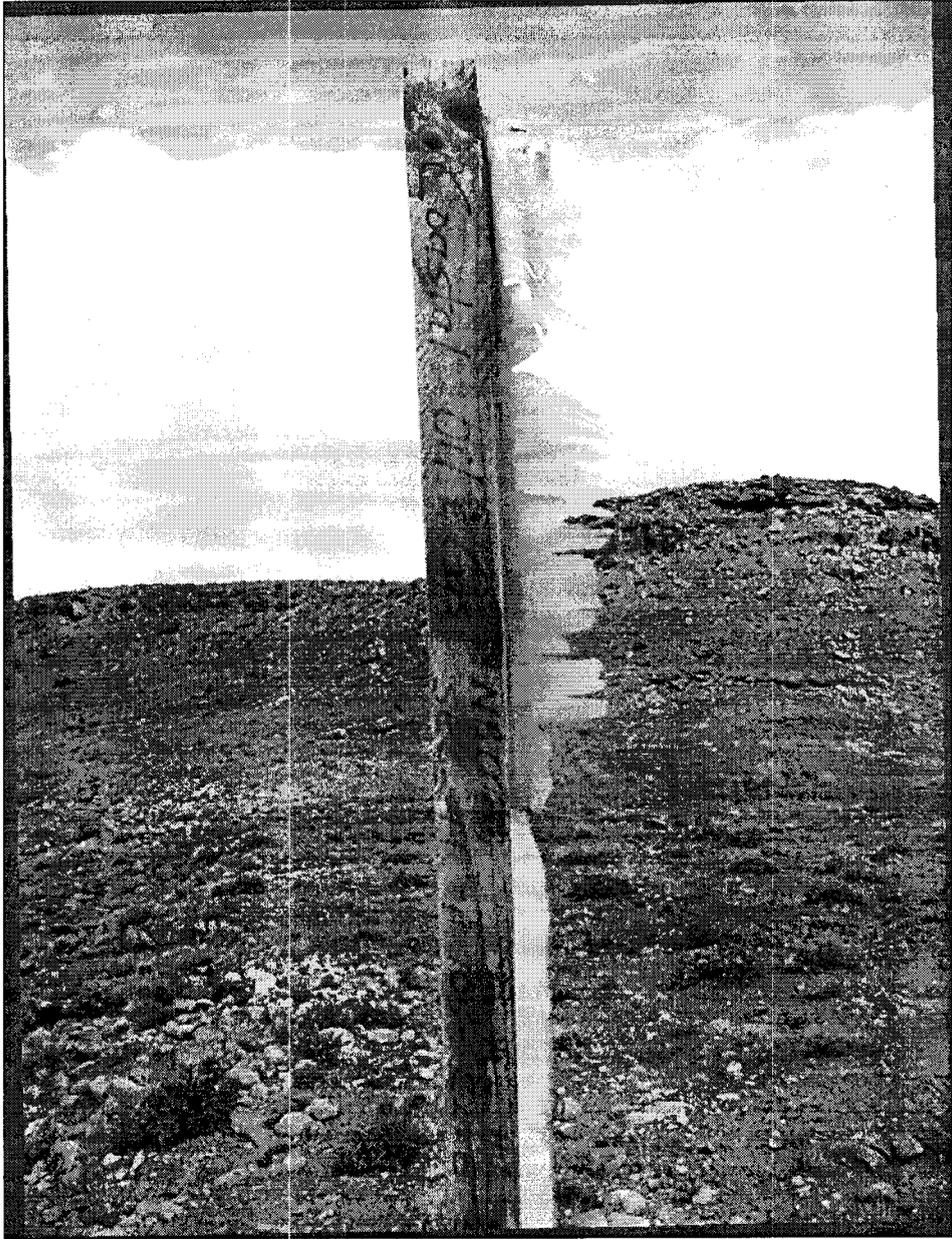
PHOTOS OF SITE WILL BE PLACED ON FILE.

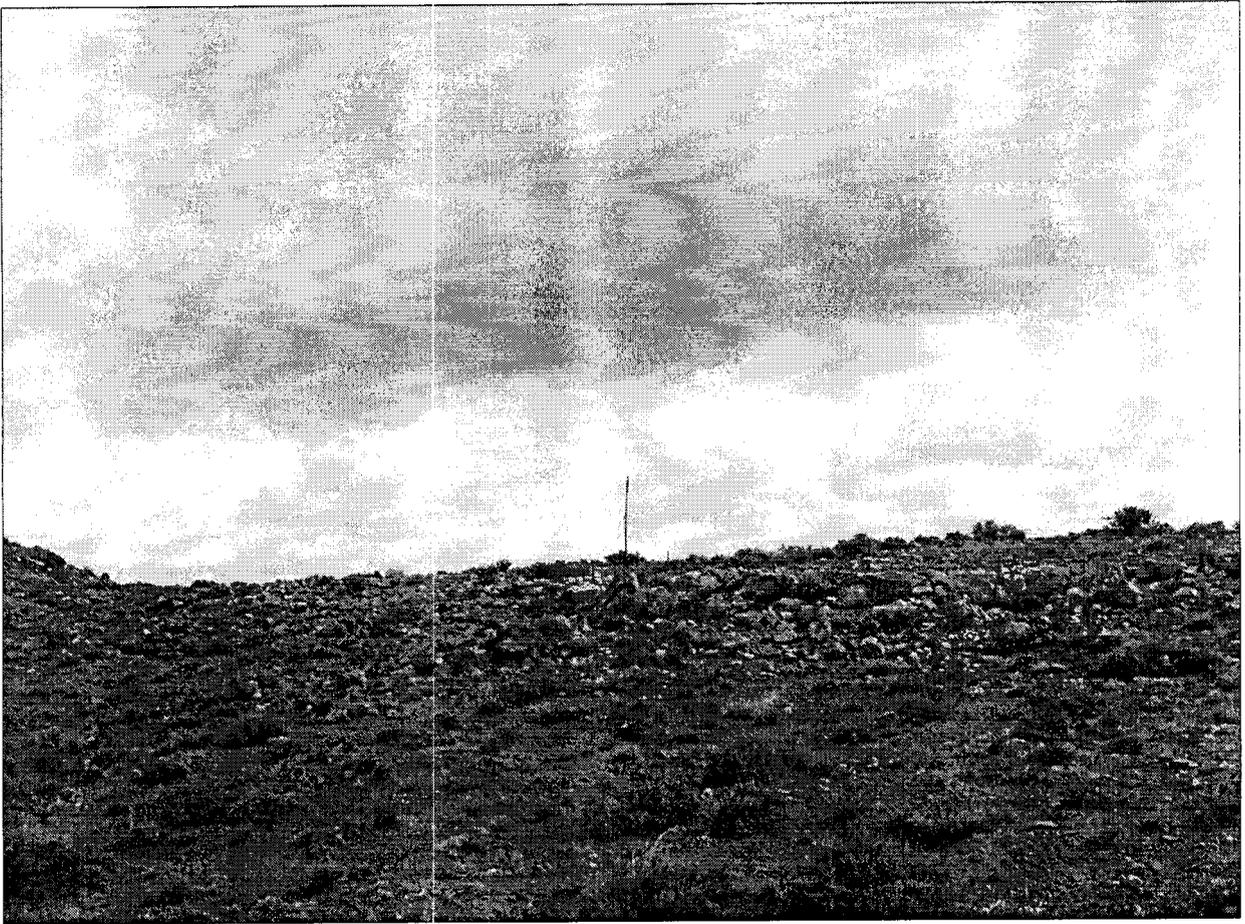
DAVID W. HACKFORD
DOGM REPRESENTATIVE

4/10/01-11:30 AM
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score
For Reserve and On-site Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	15	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>0</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	15	
TDS >10000 or Oil Base	20	
Mud Fluid containing high levels of hazardous constituents		<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>
Final Score		<u>20</u>













Well name:	04-01 Coastal NBU 348		
Operator:	Coastal	Project ID:	43-047-34001
String type:	Production		
Location:	Uintah County		

Design parameters:

Collapse

Mud weight: 10.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 156 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 250 ft

Burst:

Design factor 1.00

Cement top: Surface

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.519 psi/ft
 Calculated BHP 3,377 psi

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Non-directional string.

No backup mud specified.

Tension is based on air weight.
 Neutral point: 5,528 ft

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ()
1	6500	4.5	11.60	K-55	LT&C	6500	6500	3.875	28337
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	3377	4960	1.47	3377	5350	1.58	75	180	2.39 J

Prepared R.A. McKee
 by: Utah Dept. of Natural Resources

Date: April 17,2001
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 6500 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	04-01 Coastal NBU 348		
Operator:	Coastal	Project ID:	43-047-34001
String type:	Surface		
Location:	Uintah County		

Design parameters:

Collapse

Mud weight: 9.000 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 65 °F
 Bottom hole temperature: 68 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 250 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 0 psi
 Internal gradient: 0.519 psi/ft
 Calculated BHP 130 psi

No backup mud specified.

Tension:

8 Round STC: 1.80 (J)
 8 Round LTC: 1.80 (J)
 Buttress: 1.60 (J)
 Premium: 1.50 (J)
 Body yield: 1.50 (B)

Tension is based on air weight.
 Neutral point: 216 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 6,500 ft
 Next mud weight: 10.000 ppg
 Next setting BHP: 3,377 psi
 Fracture mud wt: 19.250 ppg
 Fracture depth: 250 ft
 Injection pressure 250 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost ()
1	250	8.625	24.00	K-55	ST&C	250	250	7.972	2096
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	117	1370	11.72	130	2950	22.72	6	263	43.83 J

Prepared R.A. McKee
 by: Utah Dept. of Natural Resources

Date: April 17,2001
 Salt Lake City, Utah

ENGINEERING STIPULATIONS: NONE

Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.
 Collapse is based on a vertical depth of 250 ft, a mud weight of 9 ppg The casing is considered to be evacuated for collapse purposes.
 Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

04-01 Coastal NBU 348

Casing Schematic

Surface

8-5/8"
MW 9.
Frac 19.3

TOC @
0.
Surface
250. MD

~ w/ 10% WASHOUT

BOP

$$.052 (10) 6500 = 3380$$

$$.12 (6500) = \langle 780 \rangle$$

2600psi

∴ 3M SRRR BOP is

ADEQUATE.

RAM

4/17/01

4-1/2"
MW 10.

Production
6500. MD

~ w/ 15% WASHOUT



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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

April 26, 2001

Coastal Oil & Gas Corporation
PO Box 1148
Vernal, UT 84078

Re: Natural Buttes Unit 348 Well, 231' FSL, 1256' FWL, SW SW, Sec. 11, T. 10 South,
R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-34001.

Sincerely,

A handwritten signature in black ink, appearing to read 'John R. Baza'.

John R. Baza
Associate Director

er

Enclosures

cc: Uintah County Assessor
SITLA
Bureau of Land Management, Vernal

Operator: Coastal Oil & Gas Corporation
Well Name & Number Natural Buttes Unit 348
API Number: 43-047-34001
Lease: U 01197 A-ST

Location: SW SW **Sec.** 11 **T.** 10 South **R.** 22 East

Conditions of Approval

1. **General**

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

The following are Division of Oil, Gas and Mining contacts and their work telephone numbers (please leave a voice mail message if the person is not available to take the call):

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

6. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME:
8. WELL NAME and NUMBER:
Exhibit "A"
9. API NUMBER:
10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____
2. NAME OF OPERATOR:
El Paso Production Oil & Gas Company
3. ADDRESS OF OPERATOR: PHONE NUMBER:
8 South 1200 East CITY Vernal STATE Utah ZIP 84078 435-789-4433

4. LOCATION OF WELL
FOOTAGES AT SURFACE: COUNTY:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.
See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President
SIGNATURE [Signature] DATE 06-15-01
El Paso Production Oil & Gas Company
NAME (PLEASE PRINT) John T. Elzner TITLE Vice President
SIGNATURE [Signature] DATE 06-15-01

(This space for State use only)

RECEIVED
JUN 19 2001
DIVISION OF
OIL, GAS AND MINING

State of Delaware
Office of the Secretary of State

PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

MAR 9 2001

DIVISION OF
OIL, GAS AND MINING



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

CERTIFICATE OF AMENDMENT

OF

CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL & GAS CORPORATION

David L. Siddall
Vice President

Attest:

Margaret E. Roark
Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE
SECRETARY OF STATE
DIVISION OF CORPORATIONS
FILED 11:00 AM 03/09/2001
010118394 - 0610204

JUN 19 2001

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED

JUL 12 2001

**DIVISION OF
OIL, GAS AND MINING**

In Reply Refer To:
3106
UTSL-065841
(UT-924)

JUL 10 2001

NOTICE

El Paso Production Oil & Gas Company : Oil and Gas
Nine Greenway Plaza :
Houston TX 77046-0095 :

Name Change Recognized

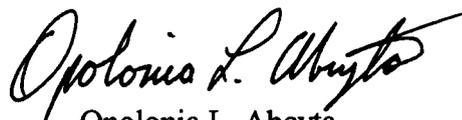
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta
Acting Chief, Branch of
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
~~State of Utah, DOGM~~, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS
2. CDW	✓	5-LP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

X Merger

The operator of the well(s) listed below has changed, effective: **3-09-2001**

FROM: (Old Operator):
COASTAL OIL & GAS CORPORATION
Address: 9 GREENWAY PLAZA STE 2721
HOUSTON, TX 77046-0995
Phone: 1-(713)-418-4635
Account N0230

TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY
Address: 9 GREENWAY PLAZA STE 2721 RM 2975B
HOUSTON, TX 77046-0995
Phone: 1-(832)-676-4721
Account N1845

CA No. Unit: **NATURAL BUTTES**

WELL(S)

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 519-3E	43-047-33779	2900	03-09S-21E	FEDERAL	GW	P
NBU 368	43-047-33972	99999	04-09S-21E	FEDERAL	GW	APD
CIGE 256	43-047-33971	2900	09-09S-21E	FEDERAL	GW	APD
CIGE 242	43-047-34022	99999	33-09S-22E	FEDERAL	GW	APD
NBU 288	43-047-32986	2900	03-10S-22E	FEDERAL	GW	P
NBU 336	43-047-34027	99999	04-10S-22E	FEDERAL	GW	APD
NBU 337	43-047-34020	99999	04-10S-22E	FEDERAL	GW	APD
NBU 338	43-047-34058	99999	05-10S-22E	FEDERAL	GW	APD
NBU 344	43-047-34021	99999	08-10S-22E	FEDERAL	GW	APD
NBU 348	43-047-34001	99999	11-10S-22E	STATE	GW	APD
NBU 349	43-047-34002	99999	11-10S-22E	STATE	GW	APD
NBU 382	43-047-34235	99999	22-10S-22E	FEDERAL	GW	NEW
NBU 381	43-047-34234	99999	23-10S-22E	FEDERAL	GW	NEW
NBU 39	43-047-30861	2900	29-10S-22E	FEDERAL	GW	P
NBU 360	43-047-33773	2900	29-10S-22E	FEDERAL	GW	P
NBU 47N2	43-047-30534	2900	30-10S-22E	FEDERAL	GW	S
NBU 351	43-047-33668	2900	30-10S-22E	FEDERAL	GW	P
NBU 384	43-047-34237	99999	30-10S-22E	FEDERAL	GW	NEW
NBU 70-34B	43-047-30577	2900	34-10S-22E	FEDERAL	GW	S
NBU 62-35B	43-047-30477	2900	35-10S-22E	FEDERAL	GW	S

OPERATOR CHANGES DOCUMENTATION

- (R649 8-10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
- The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
- Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior
Bureau of Land Management
2850 Youngfield Street
Lakewood, CO 80215-7093
Attention: Ms. Martha Maxwell

**RE: BLM Bond CO-1203
BLM Nationwide Bond 158626364
Surety - Continental Casualty Company
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.
Assumption Rider - Westport Oil and Gas Company, L.P.**

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

**Two (2) Assumption Riders, fully executed originals.
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.**

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

**Sincerely,
Westport Oil and Gas Company, L.P.**

Debby J. Black

**Debby J. Black
Engineer Technician**

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF
OIL, GAS AND MINING

In Reply Refer To:
3106
UTU-25566 et al
(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas
410 Seventeenth Street, #2300 :
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

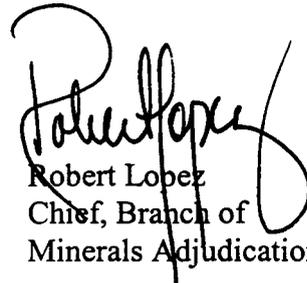
For our purposes, the name change is recognized effective December 31, 2001.

The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405
UTU-20895
UTU-25566
UTU-43156
UTU-49518
UTU-49519
UTU-49522
UTU-49523



Robert Lopez
Chief, Branch of
Minerals Adjudication

cc: Moab Field Office
Vernal Field Office
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114
Teresa Thompson (UT-922)
Joe Incardine (UT-921)

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

6. Lease Designation and Serial Number
U-01197-A-ST

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement
Natural Buttes Unit

9. Well Name and Number
NBU #348

10. API Well Number
43-047-34001

11. Field and Pool, or Wildcat
Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify)

2. Name of Operator
El Paso Production Oil & Gas Company

3. Address of Operator
P.O. Box 1148 Vernal, Utah 84078

5. Location of Well
Footage : 231'FSL & 1256'FWL County : Uintah
QQ, Sec, T., R., M. : SWSW Section 11-T10S-R22E State : Utah

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

NOTICE OF INTENT
(Submit in Duplicate)

- Abandonment
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Multiple Completion
- Other APD Extension
- New Construction
- Pull or Alter Casing
- Recompletion
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Approximate Date Work Will Start Immediate

SUBSEQUENT REPORT
(Submit Original Form Only)

- Abandonment *
- Casing Repair
- Change of Plans
- Conversion to Injection
- Fracture Treat
- Other _____
- New Construction
- Pull or Alter Casing
- Shoot or Acidize
- Vent or Flare
- Water Shut-Off

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

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

The operator requests that the APD for the subject well be extended for an additional year so that drilling operations may be completed.

Approved by the Utah Division of Oil, Gas and Mining
Date: 03-26-02
By: [Signature]

COPY SENT TO OPERATOR
Date: 03-28-02
Initials: CHO

14. I hereby certify that the foregoing is true and correct.
Name & Signature Sheila Upchego Sheila Upchego Title Regulatory Analyst Date 03/14/02
(State Use Only)

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	99999 2900	43-047-34001	NBU #348	SWSW	11	10S	22E	Uintah	3/30/2002	3/30/2002 4-1-02

WELL 1 COMMENTS:
 MIRU Ski Air Rig
 SPUD on 3/30/02 at 8 am
CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	99999 13446	43-047-34476	Tribal #35-210	SWSW	35	8S	20E	Uintah	3/29/2002	3/29/2002 4-1-02

WELL 2 COMMENTS:
 MIRU Ski Air Rig
 Spud on 3/29/02 at 12 pm.
CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	99999 13447	43-047-33924	Weeks #6-154	NESE	6	9S	21E	Uintah	3/31/2002	3/31/2002 4-1-02

WELL 3 COMMENTS:
 MIRU Ski Bucket Rig
 Spud on 3/31/02 at 7 am.

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	99999 2900	43-047-34407	NBU #405	NENE	27	9S	21E	Uintah	3/28/2002	3/28/2002 4-1-02

WELL 4 COMMENTS:
 MIRU Ski Air Rig
 Spud on 3/28/02 at 8 am.
CONFIDENTIAL

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

Post-It[®] Fax Note 7671 Date 4/1/02 # of pages 1

To <u>JIM THOMPSON</u>	From <u>Sheila Upcheggo</u>
Co./Dept: <u>DOG M</u>	Co. <u>EIPASO PRODUCTION</u>
Phone # <u>801-538-5336</u>	Phone # <u>435-781-7024</u>
Fax # <u>801-359-3940</u>	Fax # <u>435-781-7094</u>

Sheila Upcheggo
 Signature

Regulatory Analyst 04/01/02
 Title _____ Date _____

Phone No. (435)-781-7024

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

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

RECEIVED

APR 01 2002

DIVISION OF

P. 01

FAX NO. 4357817094

APR-01-2002 MON 11:01 AM EL PASO PRODUCTION

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

6. Lease Designation and Serial Number
 U-01197-A-ST

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement
 Natural Buttes

9. Well Name and Number
 NBU 348

10. API Well Number
 43-047-34001

11. Field and Pool, or Wildcat
 Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS
 Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT – for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify)

2. Name of Operator
 El Paso Production Oil & Gas Company

3. Address of Operator
 P.O. Box 1148 Vernal, UT 84078

4. Telephone Number
 (435) 781-7023

5. Location of Well
 Footage : 231' FSL & 1256' FWL County : Uintah
 QQ, Sec. T., R., M : SWSW Sec. 11, T10S, R22E State : UT

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

NOTICE OF INTENT
 (Submit in Duplicate)

- | | |
|---|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input checked="" type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start 2nd Quarter 2002

SUBSEQUENT REPORT
 (Submit Original Form Only)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

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

Operator requests that authorization be granted to amend the current approved TD of 6500' to a TD of 7300'. Refer to the attached well bore schematic for the TD, cement, and casing amendments for the subject well.

Approved by the Utah Division of Oil, Gas and Mining
 Date: 04-09-02
 By: [Signature]

COPY SENT TO OPERATOR
 Date: 4-15-02
 Initials: CHO

APR 15 2002
 DIVISION OF
 OIL, GAS AND MINING

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

Name & Signature Cheryl Cameron Title Operations Date 04/05/02

(State Use Only)

el paso | Production
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2950	1370	263000
SURFACE	8-5/8"	0-250'	24.00	K-55	STC	21.03	11.71	4.70
						5350	4960	180000
PRODUCTION	4-1/2"	0-TD	11.60	K-55	LTC	2.08	1.45	1.34

- 1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)
 - 2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)
 - 3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)
- (Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE		250	Premium Plus + 2% CaCl2 + 0.125 pps polyflake	110	35%	15.60	1.18
PRODUCTION	LEAD	3,620'	Hilift + 12% gel + 3% salt + 1% D79 + 0.5% D112 + 0.2% D46	330	60%	11.00	3.91
	TAIL	3,680'	50/50 Poz/G + 10% salt + 2% gel + 0.2% D46	1030	60%	14.30	1.31

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
 BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
 Run Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____
Dan Lindsey

DATE: _____

DRILLING SUPERINTENDANT: _____
Larry Strasheim

DATE: _____

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

SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals		6. Lease Designation and Serial Number U-01197-A-ST
		7. Indian Allottee or Tribe Name N/A
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		8. Unit or Communitization Agreement Natural Buttes Unit
		9. Well Name and Number NBU #348
2. Name of Operator El Paso Production Oil & Gas Company		10. API Well Number 43-047-34001
3. Address of Operator P.O. Box 1148 Vernal, Utah 84078	4. Telephone Number (435) 781-7024	11. Field and Pool, or Wildcat Natural Buttes
5. Location of Well Footage : 231'FSL & 1256'FWL County : Uintah QQ, Sec, T., R., M. : SWSW Section 11-T10S-R22E State : Utah		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>SPUD</u>	

Date of Work Completion 3/30/02

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
 * Must be accompanied by a cement verification report.

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

MIRU Ski Air Rig. Spud 12 1/4" Surface Hole @ 8 am on 3/30/02.
 Ran 8 5/8" 24# J-55 ST&C Csg to 272'.
 Cmt w/142 sx Class G @ 15.8 ppg Yield 1.17 Water 5 gal/Sk 2% CaCl2 .25#/Sk Cello Flake
 Drop Top Plug. Bump Plug. Cmt to Surface Cmt to Pit. Hole Stayed Full.

WORT

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

Name & Signature Sheila Upchego *Sheila Upchego* Title Regulatory Analyst Date 04/01/02

(State Use Only)

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

6. Lease Designation and Serial Number
 U-01197-A-ST

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement
 Natural Buttes Unit

9. Well Name and Number
 NBU #348

10. API Well Number
 43-047-34001

11. Field and Pool, or Wildcat
 Natural Buttes

SUNDRY NOTICES AND REPORTS ON WELLS
 Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
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1. Type of Well
 Oil Well Gas Well Other (specify)

2. Name of Operator
 El Paso Production Oil & Gas Company

3. Address of Operator
 P.O. Box 1148 Vernal, UT 84078

4. Telephone Number
 (435) 781-7023

5. Location of Well
 Footage : 231' FSL & 1256' FWL County : Uintah
 QQ, Sec. T., R., M : Sec. 11, T10S, R22E State : UT

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

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<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
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<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

SUBSEQUENT REPORT
 (Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
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<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Other <u>Drilling Summary</u>	

Approximate Date Work Will Start _____

Date of Work Completion 4/21/02

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
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13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Finished drlg f/ 272'-6833' w/ El Paso Rig #2. RIH w/ 6833' of 4 1/2" 11.6# K-55 LT&C csg. Cmt Lead w/ 329 sx Hilift mixed @ 11.0 ppg, w/ 3.91 yield & Tail w/ 885 sx 50/50 Poz mixed @ 14.3 ppg w/ 1.31 yield.

Released Rig @ 0030 hrs 4/21/02.

RECEIVED
 APR 26 2002
 DIVISION OF
 OIL, GAS AND MINING

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

Name & Signature Cheryl Cameron Title Operations Date 04/22/02

(State Use Only)

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

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals</p>		6. Lease Designation and Serial Number U-01197-A-ST
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5. Location of Well Footage : 231'FSL & 1256'FWL County : Uintah QQ, Sec. T., R., M. : SWSW Section 11-T10S-R22E State : Utah		
12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		

<p align="center">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p align="center">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Production Start-Up</u></td> <td></td> </tr> </table> <p>Date of Work Completion <u>6/11/02</u></p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Production Start-Up</u>	
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<input checked="" type="checkbox"/> Other <u>Production Start-Up</u>																											

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

The subject well was placed on production on 6/11/02

The produced water from the subject well will be contained in a water tank and then be hauled to one of the pre-approved disposal sites: RNI in Sec. 5-T9S-R22E, NBU #159 Sec. 35-T9S-R21E, Ace Oilfield Sec.2-T6S-R20E, MC&MC Sec. 12-T6S-R19E.

Please refer to the attached Chronological Well History.

RECEIVED

JUL 01 2002

DIVISION OF
OIL, GAS AND MINING

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

Name & Signature Sheila Upchegge Title Regulatory Analyst Date 06/24/02

(State Use Only)

**EL PASO
PRODUCTION REPORT**

CHRONOLOGICAL HISTORY

Page 1

NBU 348

LOC.

NATURAL BUTTES FIELD

UINTAH COUNTY, UT

WI: 100%

PBTD: PERFS:

CSG:

SPUD DATE:

AFE DESCR., AFE: 063473

FORMATION:

DRILLING REPORT:

	NBU, Uintah, UT	Rig: El Paso 2	WI: 100%	AFE: 063473	ATD: 6,800'
	SD: 4/14/02	Wasatch @ 4,120'	8 5/8" @ 272'		
4/15/02	TD: 2,607	MW: Air/Water 1,986'/23 hrs	Drilling to present depth.		
4/16/02	TD: 4,011	MW: Air/Water 1,404'/23.5 hrs	Drilling to present depth.		
4/17/02	TD: 4,987	MW: Air/Water 976'/23.5 hrs	Drilling to present depth.		
4/18/02	TD: 5,720	MW: Air/Water 733'/23.5 hrs	Drilling to present depth.		
4/19/02	TD: 6,160	MW: Air/Water 440'/16.5 hrs	Drilling to 5,745'. TFNB. Drilling to present depth.		

AFE DESC. DRILL AND COMPLETE, AFE#: 063473

PBTD: 6,783' PERFS:

CSG: 4.5 X 11.6#, K-55, SET @ 6833'

FORMATION: WASATCH

5/24/02

PERF WASATCH

MIRU. NDWH & NUBOP. RIH W/BIT ON 2-3/8" TBG TO PBTD @ 6783'. CIRC WELL CLEAN W/2% KCL. POOH. TESTED 4-1/2" CSG TO 5000#. 8-5/8" CSG DID NOT TEST.

5/28/02

WAITING TO FRAC 5/28/02

MIRU WIRELINE. PERF MESA VERDE FROM 6594'-98', 6578'-82', 6542'-46', & 6524'-28', 2 SPF, 32 HOLES, 3 3/8" EXPENDABLE GUN, 23 GRAM CHARGES, 0.43" EH, 120 DEG PHASING. END PRESS: 0#. BREAK DN PERFS @ 2700#, 1/2 BPM. ISIP: 1600#, FG: 0.68. SDFD.

5/29/02

DRILLING OUT PLUGS

STAGE 1: BROKE DN MESA VERDE (6524-6528) PERFS @ 2700#. ISIP: 1600#, FG: 0.69 PUMPED 1495 BBLs YF115ST W/164,000# 20/40 SD. ISIP: 2351#, NPI: 751#, FG: 0.79, MTP: 4968#, MTR: 54.9 BPM, ATP: 4178#, ATR: 46.9 BPM.

STAGE 2: RIH & SET CBP @ 6470'. PERF MESA VERDE FROM 6352'-62', 3 SPF, 30 HOLES. BROKE DN PERFS @ 1810#. ISIP: 800#, FG: 0.56. PUMPED 746 BBLs YF115ST W/75,000# 20/40 SD. ISIP: 2194#, NPI: 1394#, FG: 0.77, MTP: 2944#, MTR: 26 BPM, ATP: 2640#, ATR: 23.8 BPM.

STAGE 3: RIH & SET CBP @ 6330'. PERF WASATCH FROM 6298'-6304', 4 SPF, 24 HOLES. BROKE DN PERFS @ 1760#. ISIP: 1687#, FG: 0.70. PUMPED 758 BBLs YF113ST W/77,000# 20/40 SD. ISIP: 3105#, NPI: 1418#, FG: 0.92, MTP: 4057#, MTR: 34.4 BPM, ATP: 3134#, ATR: 30.2 BPM.

STAGE 4: RIH & SET CBP @ 6210'. PERF WASATCH FROM 6152'-60', 4 SPF, 32 HOLES & 6090'-92', 4 SPF, 8 HOLES. BROKE DN PERFS @ 2165#. ISIP: 1970#, FG: 0.75. PUMPED 805 BBLs YF113ST W/80,000# 20/40 SD. ISIP: 2195#, NPI: 225#, FG: 0.79, MTP: 3408#, MTR: 37.1 BPM, ATP: 2790#, ATR: 29.7 BPM.

STAGE 5: RIH & SET CBP @ 6040'. PERF WASATCH FROM 5990'-6000', 3 SPF, 30 HOLES. BROKE DN PERFS @ 3279#. ISIP: 2650, FG: 0.86. PUMPED 572 BBLs YF113ST W/52,080# 20/40 SD. ISIP: 2220#, NPI: 0#, FG: 0.80, MTP: 5102#, MTR: 26.9 BPM, ATP: 2780#, ATR: 17.9 BPM. RIH & SET CBP @ 5490'. RD & RLS CUTTERS & SCHLUMBERGER. PU BIT, PUMP-OFF SUB, 1 JT, & SN. RIH TO 5930'. TLTR: 4396 BBLs.

5/30/02

FISHING TBG & BIT SUB

RU DRILLING EQUIP. DRILL CBP @ 5940', 15 MIN, 100# INCR. CO 30' SD & DRILL CBP @ 6040', 15 MIN, 300# INCR. CO 40' SD & DRILL CBP @ 6210', 15 MIN, 200# INCR. CO 25' SD & STARTED TO DRILL CBP @ 6330', TBG PRESS UP & TORQUED UP. TBG IS STUCK. DID MANUAL BACK OFF & REMOVED STRING FLOAT. RIH & MAKE UP TBG. MIRU WIRELINE & PERF TBG @ 6237', COULD NOT PUMP IN. RUN FREE POINT & FOUND TBG IS 70% FREE & 30% STUCK @ BIT. RIH W/CHEMICAL CUTTER & CUT OFF @ 6304'. POOH W/10 STANDS. EOT @ 5650'. LEAVE WELL FLOWING UP CSG W/TBG SI. TURN OVER TO FLOWBACK CREW OVERNIGHT. SITP: 0#, FCP: 100# FULL CHOKE. FLOWING 2,000 MCF & 135 BW IN 10 HRS. TLTR: 4516 BBLs, TLR: 135 BBLs, LLTR: 4381 BBLs.

5/31/02

FINISH ACCIDENT REPORT. FISHING TBG & BIT SUB

HAD A RIG HAND GET HURT. SD. LEFT WELL FLOWING UP CSG W/TBG SI. TURN OVER TO FLOWBACK CREW OVERNIGHT. SITP: 0#, FCP: 120#, FULL CHOKE. FLOWING 2,000 MCF AND 69 BW IN 24 HRS. TLTR: 4516 BBLs, TLR: 204 BBLs, LLTR: 3697 BBLs.

6/03/02

PREP TO WASH OVER FISH

6/01/02 PROG: KILL WELL W/ 50 BBLs 10# BRINE. POOH W/ TBG. RIH W/ OS & FISHING TOOLS. LATCH FISH @ 6304'. UNABLE TO JAR FREE. SOH. EOT @ 5978'.

6/02/02 SICP: 2000#, SITP: 1500#. KILL WELL W/ 10# BRINE. FINISH POOH. PU & SIH W/ 3 7/8" OD X 3 1/4" ID WASH SHOE, WP, BS'S & JARS. EOT @ 4490'. SD DUE TO HIGH WINDS.

6/04/02

PREP TO FIN DO CBP'S

PROG: SITP: 2150, SICP: 3000#. KILL WELL W/ 10# BRINE. RIH & TAG FISH @ 6403'. ESTABLISH CIRC. WASH OVER FISH FROM 6403'-6446'. POOH. RIH W/ 2 3/8" OS & BTM HOLE ASSEMBLY. LATCH FISH @ 6403'. JAR FISH LOOSE. SOH W/ FISH.

6/05/02 **FLWG BCK LOAD**
PROG: SICP: 100#, SITP: 50#.POOH & LD FISH. RIH W/ 3 7/8" BIT. DO CBP'S @ 6346' & 6470'.
CO TO 6783' W/ AIR FOAM. CIRC WELL CLEAN. PU & LAND TBG @ 6556', SN @ 6521'. OPEN WELL TO PIT ON 64/64" CHK. FLOW BCK 10 HRS. AVG CP: 1200#, AVG FTP: 200#, 17 BWPH TO 2 BWPH, TRACE SD TO CLEAN. TLTR: 4856 BBLs, TLR: 1589 BBLs, LLTR: 3267 BBLs. EST GAS RATE: 1800 MCFPD.

6/06/02 **SI WO FACILITIES.**

6/07/02 **SI WO FACILITIES.**

6/10/02 **SI WO FACILITIES.**

6/11/02 **SI WO FACILITIES.**

6/12/02 **ON PRODUCTION**
PLACE ON SALES @ 1:15 PM, 6/11/02. SPOT PROD DATA: CHK 15/64", FTP: 1698#, CP: 2316#, GAS RATE: 2000 MCFPD, 20 BWPH.

6/13/02 **ON SALES**
FLWD 1597 MCF, 15/64" CHK, FTP: 1484#, CP: 1835#, 218 BW, 16 HRS, TLTR: 4856 BBLs, TLR: 1807 BBLs, LLTR: 3049 BBLs.

6/14/02 **ON SALES**
FLWD 2338 MCF, 319 BW, FTP: 1343#, CP: 1666#, 15/64" CHK, 24 HRS, LP: 118#, TLTR: 4856 BBLs, TLR: 2126 BBLs, LLTR: 2730 BBLs.

6/17/02 **ON SALES**
6/15/02: 2269 MCF, TP: 1264#, CP: 1571#, 0 BC, 139 BW, 15/64" CHK, 24 HRS, LP: 128#, TLTR: 4856 BBLs, TLR: 2265 BBLs, LLTR: 2591 BBLs.
6/16/02: 2184 MCF, TP: 1216#, CP: 1505#, 0 BC, 167 BW, 15/64" CHK, 24 HRS, LP: 180#, TLTR: 4856 BBLs, TLR: 2432 BBLs, LLTR: 2424 BBLs.
6/17/02: 2152 MCF, TP: 1157#, CP: 1454#, 0 BC, 131 BW, 15/64" CHK, 24 HRS, LP: 155#, TLTR: 4856 BBLs, TLR: 2563 BBLs, LLTR: 2293 BBLs.

6/18/02 **ON SALES**
2114 MCF, TP: 1122#, CP: 1416#, 0 BC, 135 BW, 15/64" CHK, 24 HRS, LP: 170#, TLTR: 4856 BBLs, TLR: 2698 BBLs, LLTR: 2158 BBLs. **FINAL REPORT.** IP DATE 6/13/02, 2338 MCF, 24 HRS, FTP: 1343#, CP: 1666#, 15/64" CHK, 319 BW, 0 BC, LP: 118#.

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments. ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.		38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	
				Name
				Meas. Depth
				True Vert. Depth
Green River Wasatch Mesaverde	1125 4112 6344	4112 6344		

U-01197-A-ST
Lease Serial No.

NBU 348
SWSW SEC. 11, T10S, R22E

ITEM# 31 & 32

INTERVAL	SIZE	NUMBER
<u>WASATCH</u>		
5990-6000	3 SPF	30 HOLES
6090-6092	4 SPF	8 HOLES
6152-6160	4 SPF	32 HOLES
6298-6304	4 SPF	24 HOLES

<u>MESAVERDE</u>		
6352-6362	3 SPF	30 HOLES
6524-6528	2 SPF	32 HOLES
6542-6546	2 SPF	32 HOLES
6578-6582	2 SPF	32 HOLES
6594-6598	2 SPF	32 HOLES

DEPTH INTERVAL	AMOUNT & KIND OF MATERIAL
5990-6000	Frac w/ 52,080# 20/40 sand
6090-6092	
6152-6160	Frac w/ 80,000# 20/40 sand
6298-6304	Frac w/ 77,000# 20/40 sand
6352-6362	Frac w/ 75,000# 20/40 sand
6352-6363	
6524-6528	Frac w/ 164,000# 20/40 sand
6542-6546	
6578-6582	
6594-6598	

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

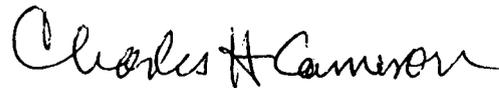
We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.

CC: Minerals & Mining Section of RES
Ute Energy & Mineral Resources Department: Executive Director
chronos





United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:
Real Estate Services

Carroll A. Wilson
Principal Landman
Westport Oil and Gas Company, L.P.
1368 South 1200 East
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

February 27, 2003

Westport Oil and Gas Company, L.P.
Attn: Gary D. Williamson
1670 Broadway, Suite 2800
Denver, Colorado 80202

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

On February 27, 2003, we received an indenture dated December 17, 2002, whereby El Paso Production Oil & Gas Company resigned as Unit Operator and Westport Oil and Gas Company, L.P., was designated as Successor Unit Operator for the Natural Buttes Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 27, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Natural Buttes Unit Agreement.

Your nationwide (Colorado) oil and gas bond No. 1203 will be used to cover all operations within the Natural Buttes Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File - Natural Buttes Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 9 Greenway Plaza Houston TX 77064-0995		7. UNIT or CA AGREEMENT NAME:
PHONE NUMBER: (832) 676-5933		8. WELL NAME and NUMBER: Exhibit "A"
4. LOCATION OF WELL		9. API NUMBER:
FOOTAGES AT SURFACE: COUNTY:		10. FIELD AND POOL, OR WILDCAT:
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH		

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

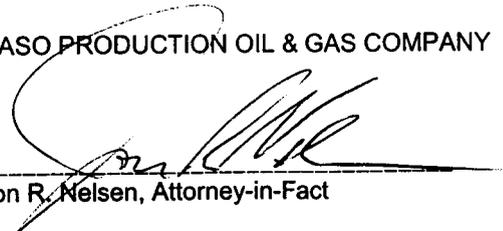
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND # _____

State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By: 
Jon R. Nelsen, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) WESTPORT OIL AND GAS COMPANY, L.P. David R. Dix	TITLE Agent and Attorney-in-Fact
SIGNATURE 	DATE 12/17/02

(This space for State use only)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

5. Lease Serial No.
SEE ATTACHED EXHIBIT "A"
6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

1. Type of Well
 Oil Well Gas Well Other

8. Well Name and No.
SEE ATTACHED EXHIBIT "A"

2. Name of Operator
WESTPORT OIL & GAS COMPANY, L.P.

9. API Well No.
SEE ATTACHED EXHIBIT "A"

3a. Address
P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7023

10. Field and Pool, or Exploratory Area

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED EXHIBIT "A"

11. County or Parish, State
UINTAH COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other
			SUCCESSOR OF OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed if testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED
MAR 04 2003

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

Name (Printed/Typed)
CHERYL CAMERON

Title
OPERATIONS

Signature

Date
March 4, 2003

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW ✓
3. FILE

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

FROM: (Old Operator):	TO: (New Operator):
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No. Unit: NATURAL BUTTES

WELL(S)						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 180	10-10S-22E	43-047-32113	2900	FEDERAL	GW	P
NBU 247	10-10S-22E	43-047-32977	2900	FEDERAL	GW	P
NBU 249	10-10S-22E	43-047-32978	2900	FEDERAL	GW	S
NBU 293	10-10S-22E	43-047-33182	2900	FEDERAL	GW	P
NBU 345	10-10S-22E	43-047-33704	2900	FEDERAL	GW	P
NBU 248	10-10S-22E	43-047-34079	2900	FEDERAL	GW	P
NBU 367	11-10S-22E	43-047-33707	2900	STATE	GW	P
NBU 347	11-10S-22E	43-047-33709	2900	STATE	GW	P
NBU 348	11-10S-22E	43-047-34001	2900	STATE	GW	P
NBU 349	11-10S-22E	43-047-34002	2900	STATE	GW	P
NBU 222	11-10S-22E	43-047-32509	2900	STATE	GW	P
NBU 272	11-10S-22E	43-047-32889	2900	STATE	GW	P
NBU 31	11-10S-22E	43-047-30307	2900	STATE	GW	P
NBU 394	11-10S-22E	43-047-34804	99999	STATE	GW	APD
NBU 153	11-10S-22E	43-047-31975	2900	FEDERAL	GW	S
NBU 31-12B	12-10S-22E	43-047-30385	2900	STATE	GW	P
NBU 24N2	12-10S-22E	43-047-30535	2900	STATE	GW	S
NBU 32-13B	13-10S-22E	43-047-30395	2900	STATE	GW	PA
NBU 38N2	13-10S-22E	43-047-30536	2900	STATE	GW	P
NBU CIGE 43-14-10-22	14-10S-22E	43-047-30491	2900	STATE	GW	P

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted on: _____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 03/24/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 03/24/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: RLB 0005236

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: 158626364

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: RLB 0005239

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 WESTPORT OIL & GAS COMPANY, L.P.

3a. Address
 P.O. BOX 1148 VERNAL, UT 84078

3b. Phone No. (include area code)
 (435) 781-

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Multiple Wells - see attached

5. Lease Serial No.
 Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
 891008900A

8. Well Name and No.
 Multiple Wells - see attached

9. API Well No.
 Multiple Wells - see attached

10. Field and Pool, or Exploratory Area
 Natural Buttes Unit

11. County or Parish, State
 Uintah County, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part IIIC.a. requiring each sales tank be equipped with a pressure-vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name (Printed/Typed)

J.T. Conley

Signature

COPY SENT TO OPERATOR
 Date: 9-2-03
 Initials: CHD

Title

Operations Manager

9-2-2003

SEP 10 2003

DIV. OF OIL, GAS & MINING

Approved by

Title

Accepted by the
 Utah Division of
 Oil, Gas and Mining

Date

Federal Approval of This
 Action is Necessary

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

Office

Date: 9/16/03

Title 18 U.S.C. Section 1001, 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.

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 332	10-10-21 NWSW	UTU01416A	891008900A	430473364000S1
NBU 333	13-10-21 SWSW	ML23608	891008900A	430473364100S1 ✓
NBU 335	4-10-22 SENE	UTU01191	891008900A	430473372400S1
NBU 336	4-10-22 NWNE	U-01191	891008900A	430473402700S1
NBU 337	4-10-22 SENW	U-01191-A	891008900A	430473402000S1
NBU 338	5-10-22 NESE	UTU01191	891008900A	430473405800S1
NBU 339	5-10-22 NWSE	UTU01191	891008900A	430473440600S1
NBU 340	6-10-22 SWNE	UTU01195	891008900A	430473372500S1
NBU 340X	6-10-22 SWNE	UTU01195	891008900A	430473401500S1
NBU 341	6-10-22 SWNW	UTU464	891008900A	430473372600S1
NBU 342	7-10-22 NWSE	UTU468	891008900A	430473372700S1
NBU 343	8-10-22 NWNE	UTU01196C	891008900A	430473371900S1
NBU 344	8-10-22 SWNE	UTU01196C	891008900A	430473402100S1
NBU 345	10-10-22 SWNE	UTU02587	891008900A	430473370400S1 ✓
NBU 345-4E	4-10-21 SWSW	UTU01393B	891008900A	430473370000S1 ✓
NBU 347	11-10-22 NWSW	UTU01197A	891008900A	430473370900S1 ✓
NBU 348	11-10-22 SWSW	UTU01197A-ST	891008900A	430473400100S1
NBU 349	11-10-22 SWSE	UTU01197A-ST	891008900A	430473400200S1 ✓
NBU 350	14-10-22 NWNE	UTU01197A	891008900A	430473364200S1 ✓
NBU 351	30-10-22 SESE	UTU0132568A	891008900A	430473366800S1
NBU 352	9-9-21 SWNW	UTU0149767	891008900A	430473392200S1
NBU 353	27-9-21 SENW	U01194A	891008900A	430473320500S1 ✓
NBU 354	31-9-22 NENW	UTU464	891008900A	430473323100S1
NBU 356	30-9-22 NENW	U463	891008900A	430473323200S1
NBU 357	15-10-21 SWSW	UTU01791A	891008900A	430473372800S1
NBU 358	16-10-21 SESW	ML10755	891008900A	430473370800S1
NBU 359	29-10-21 NWNE	ML21330	891008900A	430473370800S1
NBU 360	29-10-22 SESW	UTU0145824	891008900A	430473377300S1
NBU 361	32-10-22 NWNW	ML22798	891008900A	430473370500S1 ✓
NBU 362	28-9-21 SESW	UTU0576	891008900A	430473377400S1
NBU 363	28-9-21 SESE	UTU0576	891008900A	430473375000S1
NBU 364	29-9-21 SESE	UTU0581	891008900A	430473377600S1
NBU 365	3-10-21 SESE	UTU0149078	891008900A	430473377700S1
NBU 366	10-10-21 NWNW	UTU0149079	891008900A	430473372900S1
NBU 367	11-10-22 NESW	UTU01197A-ST	891008900A	430473370700S1 ✓
NBU 370	17-9-21 NWSW	UTU0575	891008900A	430473467200S1 ✓
NBU 371	8-9-21 SWSE	UTU0575B	891008900A	430473467300S1 ✓
NBU 375	12-9-21 SWNE	UTU0141317	891008900A	430473444000S1 ✓
NBU 376	12-9-21 NENE	UTU0141317	891008900A	430473444100S1 ✓
NBU 377	31-9-21 NENW	UTU0582	891008900A	430473436300S1
NBU 378	31-9-21 NWNE	UTU0582	891008900A	430473436400S1
NBU 381	23-10-22 SESW	UTU01198B	891008900A	430473423400S1
NBU 382	22-10-22 SENW	U-01198-B	891008900A	430473423500S1
NBU 383	21-10-22 SESW	U-489	891008900A	430473423600S1
NBU 384	30-10-22 SENW	UTU0132568A	891008900A	430473423700S1 ✓
NBU 385	18-10-22 SENW	ML22973	891008900A	430473422800S1
NBU 386	17-10-22 NESE	UTU470	891008900A	430473423800S1
NBU 387	23-10-21 SWSE	U-02277-A	891008900A	430473423900S1
NBU 388	22-10-21 SENW	U-02278-A	891008900A	430473424000S1
NBU 389	28-10-21 NENE	ML21329	891008900A	430473422900S1
NBU 390	30-10-21 SESE	ML22793	891008900A	430473423000S1
NBU 391	17-9-21 NWNW	UTU0575	891008900A	430473487400S1
NBU 393	22-9-20 SWNW	U0577B	891008900A	430473486400S1
NBU 394	11-10-22 SWSE	UTU01197A-ST	891008900A	430473480400S1 ✓
NBU 395	27-9-21 SWSW	UTU01194A-ST	891008900A	430473437400S1 ✓
NBU 396	33-9-21 NENW	UTU0576	891008900A	430473448000S1 ✓
NBU 397	26-10-20 NESW	UTU4476	891008900A	430473436500S1
NBU 398	18-10-21 NENW	UTU02270A	891008900A	430473436600S1
NBU 399	14-10-21 NWNW	UTU465	891008900A	430473440900S1
NBU 400	16-10-21 NENW	ML10755	891008900A	430473479400S1
NBU 401	23-10-21 NENE	UTU02278A	891008900A	430473480100S1
NBU 404	32-9-22 SWSE	ML22649	891008900A	430473437500S1 ✓
NBU 405	27-9-21 NENE	UTU01194A-ST	891008900A	430473440700S1 ✓
NBU 407	32-10-22 NENW	ML22798	891008900A	430473431800S1 ✓
NBU 408	31-10-22 NENE	UTU0143551	891008900A	430473459000S1 ✓
NBU 409	32-9-21 NWSW	ML48758	891008900A	430473442100S1 ✓
NBU 410	32-9-21 SWSW	ML48758	891008900A	430473487200S1
NBU 411	32-9-21 SESE	ML48758	891008900A	430473442200S1 ✓
NBU 412	32-10-22 SENW	ML22798	891008900A	430473431900S1 ✓
NBU 413	32-10-22 SWNW	ML22798	891008900A	430473432000S1 ✓
NBU 414	31-10-22 SENE	UTU0143551	891008900A	430473438700S1
NBU 414-20E	20-9-21 NWNE	U0143551/U0575	891008900A	430473477900S1
NBU 415-20E	20-9-21 SWNE	UTU0575	891008900A	430473448900S1 ✓
NBU 416	36-9-20 SESE	ML48757	891008900A	430473442300S1 ✓
NBU 418	12-9-21 NWNW	UTU0141317	891008900A	430473477700S1

Westport Oil & Gas, L.P.

Project Economics Worksheet

Instructions:

Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name:

Condensate Shrinkage Economics

Is this job a well pull or production rig job ??? N (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/840	\$0
Total \$		\$1,200

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

Production & OPX Detail:

	Before	After	Difference
Oil Production	0.192 BOPD	0.194 BOPD	0.002 BOPD
Gas Production	0 MCFPD	0 MCFPD	0 MCFPD
Wtr Production	0 BWPD	0 BWPD	0 BWPD
Horse Power	0 HP	0 HP	0 HP
Fuel Gas Burned	0 MCFPD	0 MCFPD	0 MCFPD

Project Life:

Life = Years
(Life no longer than 20 years)

Internal Rate of Return:

After Tax IROR =

AT Cum Cashflow:

Operating Cashflow = (Discounted @ 10%)

Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment
See graph below, note years when cashflow reaches zero

Payout = Years or Days

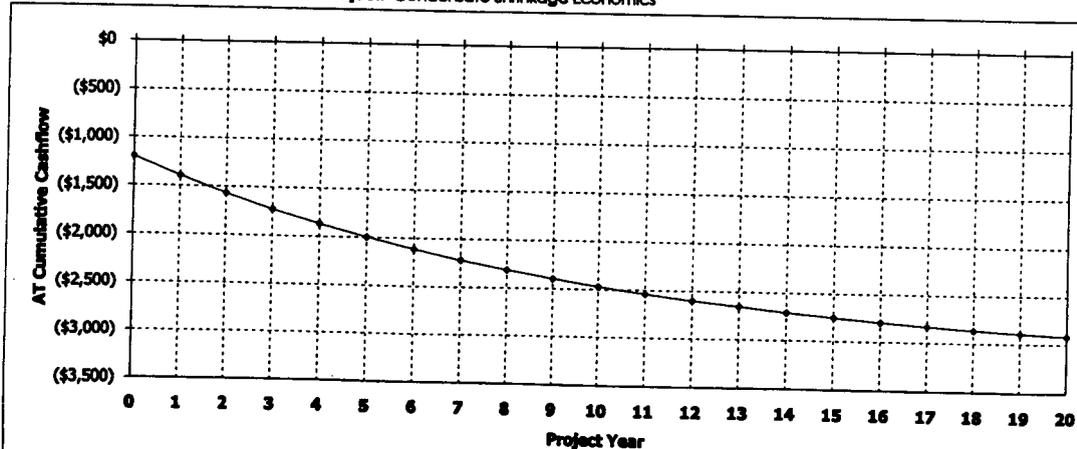
Gross Reserves:

Oil Reserves = 6 BO
Gas Reserves = 0 MCF
Gas Equiv Reserves = 38 MCFE

Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.196 Bcpd if 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.
NBU/Ouray Field
RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

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

6. Lease Designation and Serial Number
 U-01197-A-ST

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement
 NATURAL BUTTES UNIT

9. Well Name and Number
 NBU 348

10. API Well Number
 43-047-34001

11. Field and Pool, or Wildcat
 NATURAL BUTTES

SUNDRY NOTICES AND REPORTS ON WELLS
 Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
 Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well
 Oil Well Gas Well Other (specify)

2. Name of Operator
 WESTPORT OIL & GAS COMPANY, L.P.

3. Address of Operator
 P.O. BOX 1148, VERNAL, UTAH 84078

4. Telephone Number
 (435)781-7060

5. Location of Well
 Footage : 231' FSL 1256' FWL County : UINTAH
 QQ, Sec, T., R., M : SWSW SEC 11-T10S-R22E State : UTAH

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

NOTICE OF INTENT
 (Submit in Duplicate)

- | | |
|--|---|
| <input type="checkbox"/> Abandonment | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input type="checkbox"/> Recompletion |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Multiple Completion | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Approximate Date Work Will Start _____

SUBSEQUENT REPORT
 (Submit Original Form Only)

- | | |
|--|--|
| <input type="checkbox"/> Abandonment * | <input type="checkbox"/> New Construction |
| <input type="checkbox"/> Casing Repair | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans | <input checked="" type="checkbox"/> Shoot or Acidize |
| <input type="checkbox"/> Conversion to Injection | <input type="checkbox"/> Vent or Flare |
| <input type="checkbox"/> Fracture Treat | <input type="checkbox"/> Water Shut-Off |
| <input type="checkbox"/> Other _____ | |

Date of Work Completion 10/15/03

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

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

PUMP 4 DRUMS OF 15% HCL ACID DOWN TBG W/ 10 BBLs OF 2% KCL WATER

RECEIVED
OCT 28 2003
 DIV. OF OIL, GAS & MINING

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

Name & Signature DEBRA DOMENICI *Debra Domenici* Title SR ADMIN ASSIST Date 10/22/03

(State Use Only)

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

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT – for such proposals</p>		6. Lease Designation and Serial Number U-01197-A-ST
		7. Indian Allottee or Tribe Name
1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		8. Unit or Communitization Agreement NATURAL BUTTES UNIT
		9. Well Name and Number NBU #348
2. Name of Operator WESTPORT OIL & GAS COMPANY L.P.		10. API Well Number 43-047-34001
3. Address of Operator 1368 SOUTH 1200 EAST VERNAL, UTAH 84078	4. Telephone Number (435) 781-7024	11. Field and Pool, or Wildcat NATURAL BUTTES UNIT
5. Location of Well Footage : 231'FSL & 1256'FWL County : UINTAH QQ, Sec, T., R., M : SWSW SECTION 11-T10S-R22E State : UTAH		

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

<p align="center">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p align="center">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width:100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>WORKOVER</u></td> <td></td> </tr> </table> <p>Date of Work Completion <u>4/12/04</u></p> <p><small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form. * Must be accompanied by a cement verification report.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>WORKOVER</u>	
<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction																										
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<input checked="" type="checkbox"/> Other <u>WORKOVER</u>																											

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

RIG UP. WORK TBG FREE POOH SCALE ON TBG MAKE UP 3 7/8" MILL. RIH, TAG SCALE @5950'.
 RU CLEAN OUT SCALE STRING TO 6180'. RIH TAG SD @6575'. WELL NO CIRC. POOH EOT @2300'.
 POOH L/D MILL RIG W/PROD EQUIP LAND ON WELL HEAD W/194 JTS 2 3/8" TBG ND BOP
 NU TREE EQUIP & SWAB IFL 5500' MADE 7 RUNS REC 4 BBLS WELL KICKED OFF PMP.

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

Name & Signature Sheila Upchego  Title Regulatory Analyst Date 07/01/04

(State Use Only)

RECEIVED
JUL 06 2004

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:	1/6/2006
FROM: (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	TO: (New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024

WELL NAME	CA No.	Unit:	NATURAL BUTTES UNIT					
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on:
- (R649-9-2) Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

7. **Federal and Indian Units:**
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

8. **Federal and Indian Communization Agreements ("CA"):**
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: _____
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG
 The Division sent response by letter on: _____

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
KERR-McGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEE ATTACHED

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED
MAY 10 2006

BLM BOND = C01203
BIA BOND = RLB0005239

APPROVED 5116106
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) RANDY BAYNE	Title DRILLING MANAGER
Signature <i>Randy Bayne</i>	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, 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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY L.P.

3a. Address
1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)
(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SEE ATTACHED

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

RECEIVED
MAY 10 2006

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) BRAD LANEY	Title ENGINEERING SPECIALIST
Signature	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by <i>Brad Laney</i>	Title	Date 5-9-06
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
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SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
--	--

1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 348
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047340010000
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3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6454	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
--	-------------------------------	---

4. LOCATION OF WELL FOOTAGES AT SURFACE: 0231 FSL 1256 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 11 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 7/21/2016 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the NBU 348 well. Please see the attached procedure for details. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: July 26, 2016

By: *Derek Duff*

NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A		DATE 7/21/2016

NBU 348
231' FSL & 1256' FWL
SWSW SEC. 11, T10S, R22E
UINTAH UT

KBE: 5211' **API NUMBER:** 4304734001
GLE: 5196' **LEASE NUMBER:** U-01197-A-ST
TD: 6833' **LAT/LONG:** 39.956873/-109.412147
PBTD: 6783'

CASING : 12.25" hole
SURFACE 8.625" 24# J-55 @ 272'

PRODUCTION 7.88" hole
 4.5" 11.6# K-55 @ 6833'
 Est. TOC @ 500' CBL

PERFORATIONS: WASATCH-MESAVERDE TOP-BOTTOM 6005'-6613'

TUBING: 2.375" 4.7# L-80 tbg at 6187'

Tubular/Borehole	ID	Drift inches	Collapse psi	Burst psi	Capacities		
	inches				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg	1.995	1.901	8100	7700	0.1624	0.02171	0.00387
2.375" 4.7# P-110 tbg	1.995	1.901	13800	15400	0.1624	0.02171	0.00387
2.375" 4.7# L-80 tbg	1.995	1.901	11780	11200	0.1624	0.02171	0.00387
4.5" 11.6# K-55 csg	4	3.875	4960	5350	0.65282	0.08727	0.01554
8.625" 24# J-55 csg	8.097	7.972	1370	2950	2.67488	0.35758	0.06369

Annular Capacities	Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" tbg. X 4.5" csg	0.42272	0.05651	0.01006
4.5" csg. X 8.625" csg	1.84866	0.24713	0.04402
4.5" csg X 7.88 borehole	1.70728	0.22823	0.04065

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Top Green River	986'
Top Mahogany	1790'
Base Parachute	2602'
Top Wasatch	4112'
Top Mesaverde	6373'

<http://digitallibrary.utah.gov/awweb/awarchive?type=file&item=55737>

BMSW Elevation ~1911' MSL
 BMSW Depth ~3300'

NBU 348 PLUG & ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- BLOW DOWN BRADEN HEAD AND SURFACE CASING AS NEEDED AS PER SOP.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, 15.8ppg, YIELD 1.145 CUFT/SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID AND IS TO BE PLACED BETWEEN ALL PLUGS.
- NOTIFY APPROPRIATE AGENCY 48 HOURS BEFORE MOVING ON LOCATION.

PERTINENT WELL HISTORY: no w/o since 4/1/08

PROCEDURE

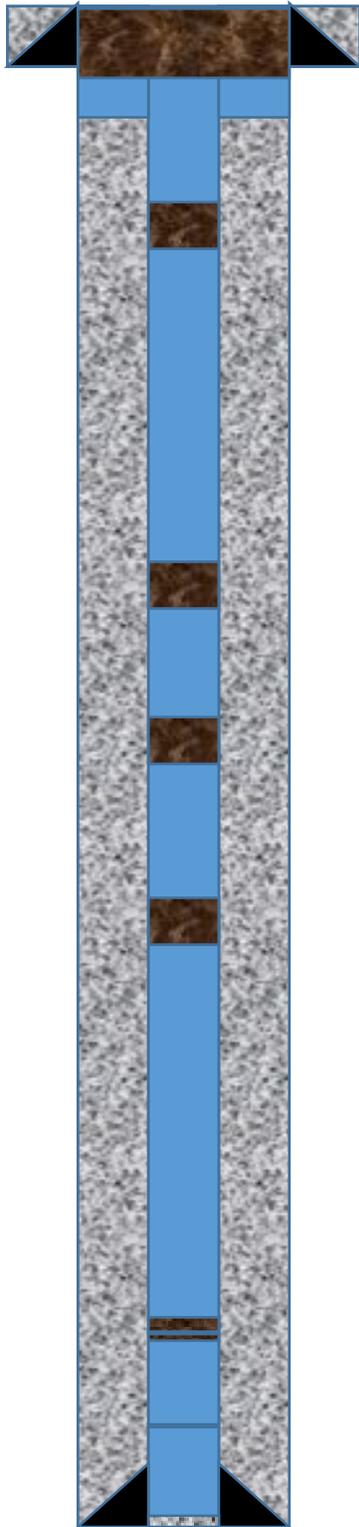
Note: Approx. **167 SXS** Class "G" cement needed for procedure & **(2) 4.5" CIBP**

Note: YES GYRO ON RECORD. (IF GYRO NEEDED, A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE).

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. POOH W/ TBG & L/D SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL PER FOREMAN DISCRETION.
3. ISOLATE MESAVERDE PERFORATIONS (> 6373'): RIH ON WIRELINE W/ 4.5" CIBP. SET @ ~6373'. RELEASE CIBP.
4. ISOLATE PERFORATIONS (6613'-6005'): RIH ON WIRELINE OR TUBING W/ 4.5" CIBP. SET @ ~5955', (50' above top perf at 6005'). RELEASE CIBP, PUH 10', CIRC ENTIRE HOLE W/ TREATED FRESH WATER AND PRESSURE TEST CASING. SET A 105FT BALANCED CMT PLUG F/ 5955' to 5850'(8 SXS, 9.16 FT3, 1.64 BBLs).
5. PROTECT WASATCH TOP (4112'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 4112' to 3902' (16 SXS, 18.32 FT3, 3.27 BBLs).
6. PROTECT PARACHUTE BASE (2602'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 2707' to 2497' (16 SXS, 18.32 FT3, 3.27 BBLs).
7. PROTECT GREEN RIVER (986'): PUH WITH TUBING AND PUMP A MINIMUM OF (210FT) CMT F/ 1091' to 881' (16 SXS, 18.32 FT3, 3.27 BBLs).
8. PROTECT CASING SHOE AND SURFACE (272', 0'): POOH AND RIG UP WIRELINE. RIH WITH PERF GUNS FOR PRODUCTION CASING. PERFORATE CASING AT ~323' (TOC @ ~500'). RIH W/ CEMENT RETAINER @ ~325'. PUMP A MINIMUM OF (325FT) CMT F/ 320' to 0' (95 SXS, 108.78 FT3, 21.14 BBLs) TO FILL PRODUCTION CASING AND ANNULUS FROM 325' to SURFACE.
9. CUT OFF WELLHEAD AND INSTALL MARKER PER REGULATIONS.
10. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

NBU 348

Total SXS: 167, Total CIBP: 2



<- Plug for Surface and Casing Shoe at 325' from 325' to 0' with 95SXS,325ft.

<- TOC at 500'

<- Plug for GreenRiver at 986' from 1091' to 881' with 16SXS,210ft.

<- Mahogany at 1790'

<- Plug for Parachute Base at 2602' from 2707' to 2497' with 16SXS,210ft.

<- Plug for BMSW at 3300' from 3405' to 3195' with 16SXS,210ft.

<- Plug for Wasatch at 4112' from 4112' to 3902' with 16SXS,210ft.

<- Plug above CIBP at 5955' from 5955' to 5850' with 8SXS,105ft.

<-CIBP Above Perfs at 5955'

<-Top Perf at 6005'

<-CIBP for Mesaverde at 6373'

<-PBD at 6783'

<- Production Casing Shoe at 6833'

<-TD at 6833'

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5.LEASE DESIGNATION AND SERIAL NUMBER: U-01197-A-ST
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7.UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 348
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047340010000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6456
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0231 FSL 1256 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 11 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/30/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 348 well. Please see the operations summary report for details. Thank you.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 01, 2016

NAME (PLEASE PRINT) Candice Barber	PHONE NUMBER 435 781-9749	TITLE HSE Representative
SIGNATURE N/A	DATE 8/31/2016	

US ROCKIES REGION
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 348				Spud date: 3/30/2002				
Project: UTAH-UINTAH			Site: NBU 348			Rig name no.: MILES-GRAY 1/1		
Event: ABANDONMENT			Start date: 8/18/2016			End date: 8/30/2016		
Active datum: RKB @5,211.00usft (above Mean Sea Level)				UWI: NBU 348				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
8/22/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 8:00	0.75	ABANDP	30	A	P		FINISH MIRU. RIG & EQUIP WAS SPOTTED ON LOCATION 8/19/16.
	8:00 - 10:00	2.00	ABANDP	30	F	P		SICP & SITP = 0#. PUMP 30BBLS TMAC DOWN TBNG TO MAKE SURE IT WASNT PLUGGED (GOOD). NDWH. BOLTS RUSTY & GUALDED. UN-LAND TBNG (NOT STUCK). LAND TBNG BACK ON HANGER. FUNCTION TEST BOP GOOD. NUBOP. R/U FLOOR & TBNG EQUIP. UN-LAND TBNG. REMOVE HANGER.
	10:00 - 13:00	3.00	ABANDP	31	I	P		MIRU SCANNERS. POOH WHILE SCANNING 194JTS 2-3/8" J-55 TBNG. L/D ALL TBNG AS SINGLES FOR BETTER INSPECTION. SCAN RESULTS AS FOLLOWS: Y-BND= 181JTS (5741'). R-BND= 13JTS (412'). RDMO SCANNERS.
13:00 - 17:30	4.50	ABANDP	34	I	P		MIRU WIRELINE. P/U & RIH W/ GR-JB FOR 4-1/2" CSNG. WORK THRU SCALE @ 6140'-6175'. CONT RIH TO 6350'. POOH & L/D GR-JB. NOTE: WAIT 2HRS ON LOCATION FOR A BAKER 10 E-LINE CONNECTION P/U & RIH W/ 4-1/2" WF CIBP. SET CIBP @6340'. POOH & L/D SETTING TOOL. P/U DUMP BAILER. RIH & SPOT 8SX 15.8# G CMT ON TOP OF CIBP @ 6340'. MADE 4 RUNS TOTAL @ 2SX PER RUN. POOH & L/D TOOLS. RDMO WIRELINE. SWIFN. LOCK RAMS. SDFN. NOTE: RICHARD POWELL W/ UDOGM WAS NOTIFIED OF MIRU ON P&A ON 8/19/16. HE SAID TO PROCEED AS PLANNED. SPOKE W/ RICHARD TODAY @ 12:21 P.M. AND LET HIM KNOW THAT WE SHOULD BE PRESSURE TESTING AROUND 11:00HRS ON 8/23/16. RICHARD WAS NOT ON LOCATION TODAY TO WITNESS P&A.	
8/23/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 9:30	2.25	ABANDP	31	G	P		0# ON WELL. P/U & RIH W/ 4-1/2" WF CIBP + 187JTS 2-3/8" J-55 TBNG. SET CIBP @ 5940'. PUH 10'.
	9:30 - 10:00	0.50	ABANDP	31	H	P		BREAK CONV CIRC W/ TMAC. CIRC WELLBORE CLEAN & GAS FREE W/ 95BBLS TMAC.
	10:00 - 10:15	0.25	ABANDP	52	F	P		PRESSURE TEST CSNG & OR 4-1/2" CIBP BAD @ 500#. INJECTING 1.5BPM @ 200#.
	10:15 - 11:15	1.00	ABANDP	51	D	P		DECIDE TO SPOT 10SX CMT ON CIBP @ 5940'. R/U CMT CREW & TRY TO BREAK CIRC W/ 40BBLS TMAC. WELL WOULD NOT CIRCULATE. SO DID NOT PUMP CMT. RDMO CMT CREW.

US ROCKIES REGION
Operation Summary Report

Well: NBU 348

Spud date: 3/30/2002

Project: UTAH-UINTAH

Site: NBU 348

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 8/18/2016

End date: 8/30/2016

Active datum: RKB @5,211.00usft (above Mean Sea Level)

UWI: NBU 348

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	11:15 - 13:00	1.75	ABANDP	31	I	P		T/U ON CIBP @ 5940' TO MAKE SURE IT WAS STILL IN PLACE (GOOD). POOH WHILE STD BACK 187JTS TBNG. L/D SETTING TOOL.
	13:00 - 16:10	3.17	ABANDP	31	C	P		P/U & TIH W/ 4-1/2" BAKER MODEL 32A PACKER. MAKE MULTIPLE PACKER SETTINGS & ISOLATE HOLE IN THE 4-1/2" PRODUCTION CSNG FROM 2810' TO 2825'. PRESSURE TESTED 4-1/2" CSNG BELOW 2825' GOOD @ 500# (LOST 0# IN 15MIN). PRESSURE TESTED 4-1/2" CSNG ABOVE 2810' GOOD @ 500# (LOST 0# IN 15MIN). POOH W/ PACKER & TBNG. L/D PACKER & RELEASE TOOL HAND. NOTE: FLUID LEVEL STAYING STATIC @ 100' FROM SURFACE.
	16:10 - 17:00	0.83	ABANDP	31	I	P		P/U 2-3/8" N.C. AND TIH W/ 40JTS 2-3/8" J-55 TBNG. SWIFN. LOCK RAMS. SDFN.
8/24/2016	7:00 - 7:15	0.25	ABANDP	48	B	P		SAFETY = JSA.
	7:15 - 8:10	0.92	ABANDP	31	I	P		0# ON WELL. CONT TIH W/ N.C. + REM 147JTS 2-3/8" J-55 TBNG. T/U ON CIBP @ 5940'. PUH 10'
	8:10 - 10:00	1.83	ABANDP	51	D	P		MIRU CMT CREW. ALL CMT PUMPED @ 15.8# AND IS G CMT. PUMP 3 BALANCED PLUGS WHILE POOH & L/D TBNG AS FOLLOWS: #1. CIBP @ 5940'. PUMP 2.6BBLS FRESH WATER. PUMP 15SX CMT. DISPLACE W/ 1BBL FRESH & 21BBLS TMAC. PUH TBNG. #2. EOT @ 4112'. PUMP 2.6BBLS FRESH WATER. PUMP 20SX CMT. DISPLACE W/ 1BBL FRESH & 13.7BBLS TMAC. PUH TBNG. #3. EOT @ 3405'. PUMP 2.6BBLS FRESH WATER. PUMP 20SX CMT. DISPLACE W/ 1BBL FRESH & 11BBLS TMAC. PUH TBNG TO SQZ DEPTH.
	10:00 - 11:00	1.00	ABANDP	31	I	P		TOOH W/ 87JTS 2-3/8" J-55 TBNG. L/D N.C. P/U & TIH W/ 4-1/2" WF CICR + 87JTS 2-3/8" J-55 TBNG. SET CICR @2780'. HOLE IN CSG @ 2810'-2825'. STING OUT OF CICR. BREAK CONV CIRC W/ 45BBLS TMAC UNTIL RETURNS WERE CLEAN. RE-PRESSURE TEST CSNG GOOD @ 500#. LOST 0# IN 15 MIN. STING INTO CICR & EST INJ RATE INTO HOLES W/ 10BBLS TMAC (2BPM @ 50#).

US ROCKIES REGION
Operation Summary Report

Well: NBU 348

Spud date: 3/30/2002

Project: UTAH-UINTAH

Site: NBU 348

Rig name no.: MILES-GRAY 1/1

Event: ABANDONMENT

Start date: 8/18/2016

End date: 8/30/2016

Active datum: RKB @5,211.00usft (above Mean Sea Level)

UWI: NBU 348

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	11:00 - 13:00	2.00	ABANDP	51	D	P		R/U CMT CREW. PUMP REM CMT PLUGS AS FOLLOWS: #4.SQZ JOB. CICR @ 2780'. HOLE IN CSG @ 2810'-2815'. PUMP 2.6BBLS FRESH WATER. PUMP 55SX CMT BELOW CICR. STING OUT & PUMP 24SX CMT ON TOP OF CICR. DISPLACE W/ 1BBL FRESH & 5.8BBLS TMAC. PUH TBNG. #5. EOT @ 1091'. FILL HOLE. PUMP 2.6BBLS FRESH WATER. PUMP 16SX CMT. DISPLACE W/ 1BBL FRESH WATER & 2.3BBLS TMAC. POOH WHILE L/D ALL TBNG.
	13:00 - 13:25	0.42	ABANDP	34	H	P		MIRU WIRELINE. P/U & RIH W/ 4SPF X 1' SQZ GUN. PERF 4-1/2" PRODUCTION CSNG @ 325'. POOH E-LINE. EST INJ RATE.RDMO E-LINE.
	13:25 - 14:30	1.08	ABANDP	51	D	P		MIRU CMT. TRY TO ESTABLISH CIRC W/ 65BBLS TMAC. SLIGHT BLOW @ SURFACE. HOLES @ 325'. PUMP 2BBLS FRESH WATER. PUMP 100SX CMT W/ 3% CHLORIDE. NO RETURNS. SHUT DOWN. . RDMO RIG. SWI. MAKE PREPS FOR TOPPING OUT CMT IN NEAR FUTURE. NOTE: RICHARD POWELL W/ UDOGM ON LOCATION TO WITNESS P&A.
8/30/2016	10:00 - 10:15	0.25	ABANDP	48	B	P		SAFETY = JSA W/ ALL CREWS.
	10:15 - 14:00	3.75	ABANDP	51	D	P		MIRU CMT CREW. BREAK CONV CIRC DOWN 4-1/2" CSNG & UP 8-5/8" CSNG W/ 40BBLS TMAC. MIX & PUMP 150SX G CMT UNTIL GOOD CMT @ SURFACE. MIRU ROUSTABOUT CREW. EXPOSE WELLHEAD. CUT & LOWER WELLHEAD. TOP OFF 8-5/8" CSNG & 4-1/2" CSNG UNTIL BOTH SIDES STAYED FULL @ SURFACE W/ 30SX G CMT. INSTALL MARKER PLATE. BACKFILL WELLHEAD. P&A COMPLETE. NOTE: RICHARD POWELL W/ UDOGM ON LOCATION TO WITNESS P&A.