



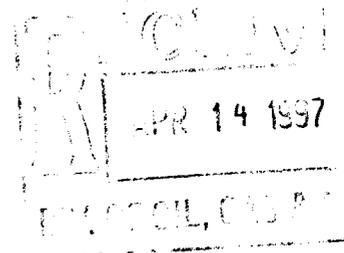
**Coastal**  
The Energy People

April 11, 1997

Applications for Permit to Drill  
Natural Buttes Field  
Uintah County, Utah

**VIA FEDERAL EXPRESS**

Mr. Brad Hill  
State of Utah  
Division of Oil, Gas & Mining  
1594 West North Temple, Suite 1210  
Salt Lake City, UT 84114-5801



Dear Mr. Hill:

Enclosed are the Applications for Permit to Drill (APD), the Drilling Programs, and the Surface Use and Operations Plans for the following wells:

CIGE #203-34-9-21	NBU #296
CIGE #210-16-10-21	NBU #302
CIGE #220-31-9-22	NBU #303
CIGE #224-2-10-21	NBU #304
CIGE #230-13-10-20	NBU #305
NBU #271	NBU #310
NBU # 272	

*Please note that the Surface Use and Operations Plans are subject to change pending completion of the on-sites.* On-site inspections for these wells have been scheduled with Dave Hackford, State of Utah--Roosevelt Office, for Wednesday and Thursday, April 16 and 17, 1997.

If you have any questions concerning the enclosed documents, please contact me at (303) 573-4455.

Sincerely,

Sheila Bremer  
Environmental & Safety Analyst

Enclosures

cc: Bureau of Land Management - Vernal District

**Coastal Oil & Gas Corporation**

A SUBSIDIARY OF THE COASTAL CORPORATION  
600 17TH ST • STE 800 S • P O BOX 749 • DENVER CO 80201-0749 • 303 572-1121

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:  
**ST U-01194-ST**

**APPLICATION FOR PERMIT TO DRILL OR DEEPEN**

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

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

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

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

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

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

9. Well Number:  
**310**

3. Address and Telephone Number:  
**P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455**

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

4. Location of Well (Footages)  
At surface: **482' FNL & 1510' FWL**  
At proposed proding zone: \_\_\_\_\_

11. Qtr/Qtr, Section, Township, Range, Meridian:  
**NEW Section 35-T9S-R21E**

14. Distance in miles and direction from nearest town or post office:  
**See Topo Map A**

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

15. Distance to nearest property or lease line (feet):  
**482'**

16. Number of acres in lease:  
**1082.97**

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

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

19. Proposed Depth:  
**6900'**

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

21. Elevations (show whether DR, RT, GR, etc.):  
**Ungraded GR - 4991'**

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

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
See Attached				
Drilling Program				

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 proposes to drill a well to the proposed TD as stated above. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per State of Utah requirements.

See the attached Drilling Program and Multi-point Surface Use & Operations Plan.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. It agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided for by Coastal's Bond #102103.

24. Name & Signature: *Sheila Bremer* Title: Environmental & Safety Analyst Date: 4/11/97

(This space for State use only)

API Number Assigned: 43-047-32982

Approval: *John R. Bya* 5/7/97  
Patroleum Engineer

(See Instructions on Reverse Side)

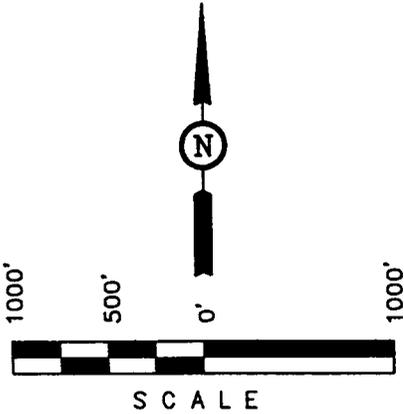
**COASTAL OIL & GAS CORP.**

Well location, NBU #310, located as shown in the NE 1/4 NW 1/4 of Section 35, T9S, R21E, S.L.B.&M., Uintah County, Utah.

**T9S, R21E, S.L.B.&M.**

**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, UINTAH 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.



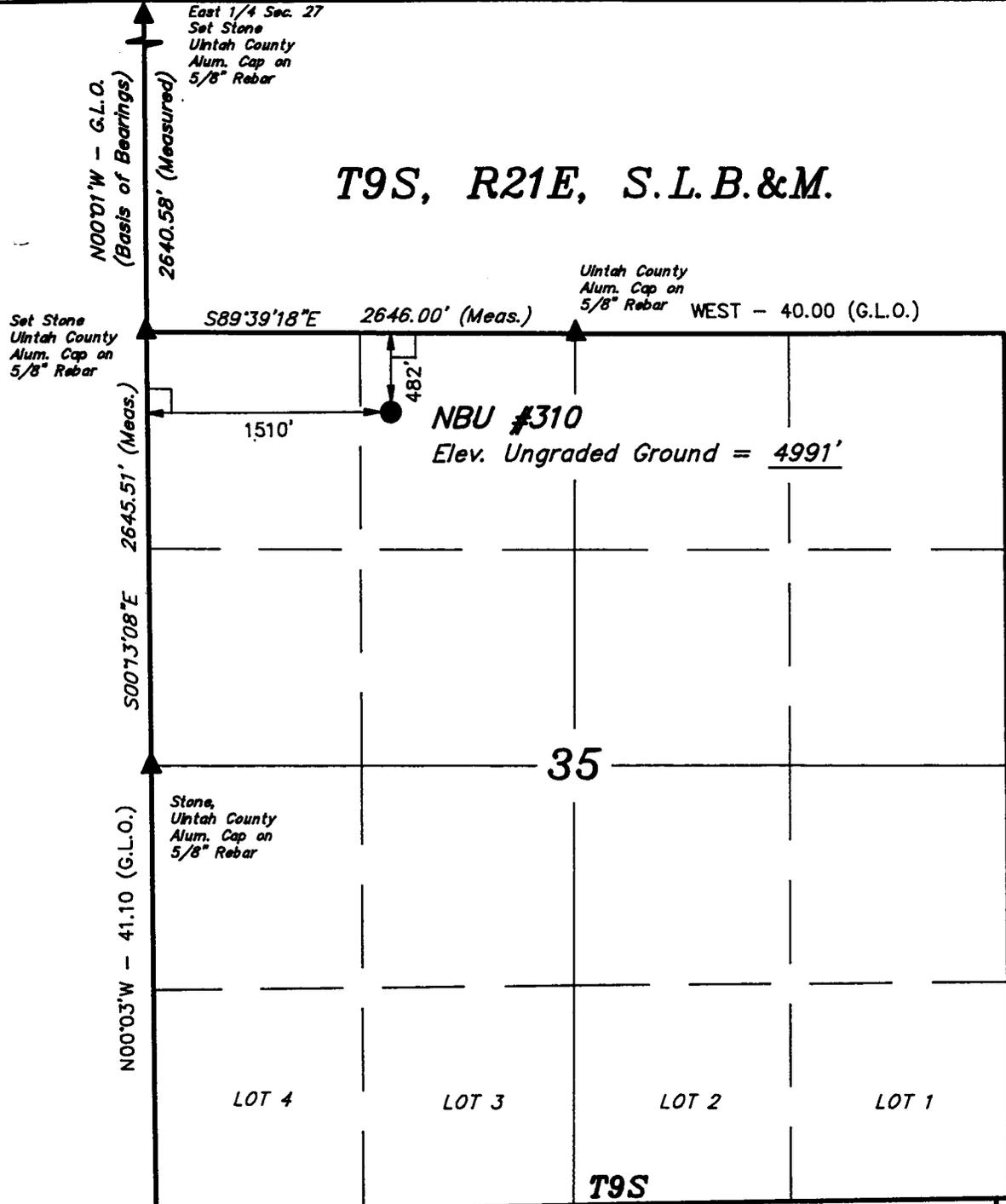
**CERTIFICATE**

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.

*Robert L. Stuy*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 02-27-97	DATE DRAWN: 03-03-97
PARTY B.B. G.S. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE COASTAL OIL & GAS CORP.	



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

**NBU #310  
482' FNL & 1510' FWL  
NE/NW, SECTION 35-T9S-R21E  
UINTAH COUNTY, UTAH**

**COASTAL OIL & GAS CORPORATION**

***DRILLING PROGRAM***

The proposed wellsite is on **State of Utah surface/State of Utah minerals**.

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Duchesne River/Uinta	Surface
Green River	1,450'
Wasatch	4,740'
Total Depth	6,900'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Oil/Gas	Green River	1,450'
Oil	Wasatch	4,740'
Gas	Wasatch	4,740'
Water	N/A	
Other Minerals	N/A	

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. Oil and gas shows will be tested to determine commercial potential.

3. **Pressure Control Equipment:** (Schematic Attached)

- a. 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.
- b. The choke and kill lines and the choke manifold will have a 3,000 psi minimum pressure rating.
- c. Testing: The hydril 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 2,000 psi.

4. **Proposed Casing and Cementing Program:**

a. The proposed Casing Program will be as follows:

<u>Purpose</u>	<u>Depth</u>	<u>Hole Size</u>	<u>Csg Size</u>	<u>Wt/ft</u>	<u>Grade</u>	<u>Type</u>
Surface	0-250'	11"/12 1/4"	8 5/8"	24#	K-55	ST&C
Production	0-TD	7 7/8"	4 1/2"	11.6#	K-55	LT&C

The surface casing will be tested to 1,500 psi prior to drilling out.

Casing design is subject to revision based on geologic conditions encountered.

b. The Cement Program will be as follows:

<u>Surface</u>	<u>Fill</u>	<u>Type &amp; Amount</u>
0-250'	250'	Approximately 165 sx Class "G" + 2% CaCl <sub>2</sub> , 15.6 ppg, 1.19 CF/sx.
<u>Production</u>		<u>Type &amp; Amount</u>
500' above productive interval to surface		Lead: Extended, Lite, or Hi-Fill cement + additives, 11 or 12 ppg, 2.69 CF/sx.
TD to 500' above productive interval		Tail: Extended Class "G" or 50:50 Poz + additives, 14 ppg; or RFC, 14.0-14.5 ppg, 1.57 CF/sx

For production casing, actual cement volumes will be determined from the caliper log, plus 15% excess.

For surface casing, waiting on cement time will be adequate to achieve 500 psi compressive strength at the shoe prior to drilling out.

5. **Drilling Fluids Program:**

<u>Interval</u>	<u>Type</u>	<u>Mud Wt.</u>
0-TD'	Air/Air Mist/Aerated Water/Water (As hole conditions warrant.) Displace hole to 10 ppg brine mud prior to logging.	8.4 ppg or less

No chromate additives will be used in the mud system without prior approval to ensure adequate protection of fresh water aquifers.

**6. Evaluation Program:****a. Logging Program:**

DLL/SP/GR: Base of surface casing to TD  
GR/Neutron Density: 2500' to TD

Drill Stem Tests: None anticipated.

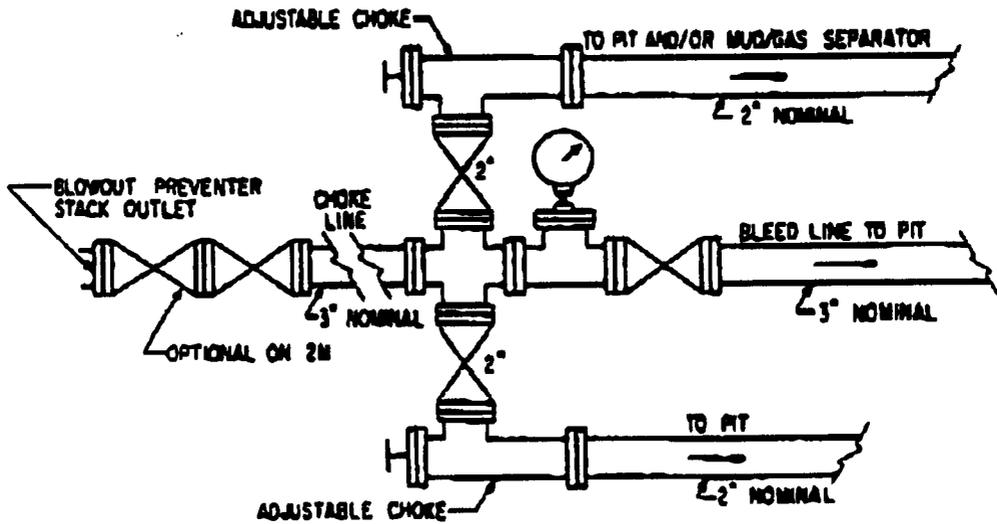
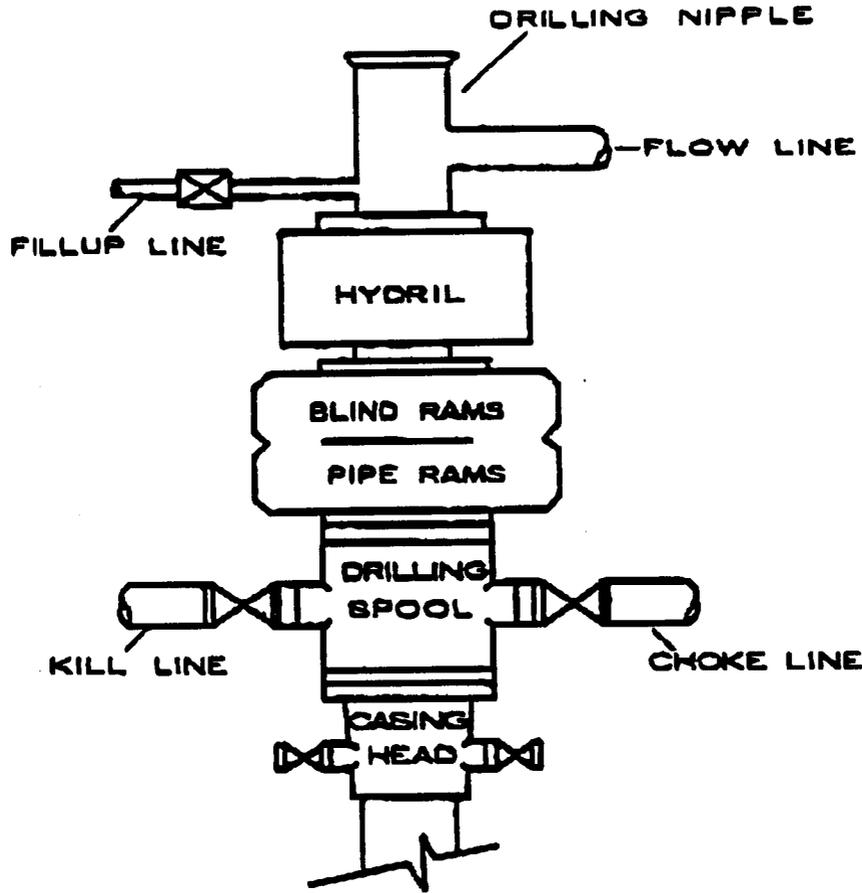
The Evaluation Program may change at the discretion of the well site geologist.

- b. No drill stem tests, stimulation, or frac treatment has been formulated for this well at this time; however, the drill site, as approved, will be of sufficient size to accommodate all completion activities.

**7. Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous drilling in the area at this depth. Maximum anticipated bottomhole pressure approximately equals 2,760 psi (calculated at 0.4 psi/foot) and maximum anticipated surface pressure equals approximately 1,242 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

3,000 psi  
BOP STACK



**NBU #310  
482' FNL & 1510' FWL  
NE/NW, SECTION 35-T9S-R21E  
UINTAH COUNTY, UTAH**

**COASTAL OIL & GAS CORPORATION**

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

*This Surface Use and Operations Plan is subject to change pending completion of the on-site inspection.*

1. **Existing Roads:**

The proposed well site is approximately 16 miles west of Ouray, Utah. Refer to Topo Maps A and B for location of access roads.

*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:**

Approximately 0.2 miles of new access will be required. The new access road will be crowned, ditched, and constructed 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 for the location of existing wells within a one mile radius of the proposed location.

4. **Location of Existing and Proposed Facilities:**

The following guidelines will apply if the well is productive.

- a. A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks). 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.

- b. 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.

- c. Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.
- d. The proposed pipeline will leave the well pad in a northwesterly direction for an approximate distance of 2400' to tie into an existing pipeline. Please see Topo Map 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, Section 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.

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:**

- a. Drill cuttings will be contained and buried in the reserve pit.
- b. 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 used at the next drill site or will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.
- c. The reserve pit will be constructed on the location and will not be located within natural drainages, 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 synthetic reinforced liner is used, it will be a minimum of 10 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.

- d. Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.
- e. A chemical porta-toilet will be furnished with the drilling rig.
- f. 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.
- g. 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.

- h. 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, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

8. **Ancillary Facilities:**

- a. The NBU #98V, SWSW Section 34-T9S-R21E, will be used as a staging area for equipment and supplies in the current drilling program. There will be no land disturbance associated with this facility. This will be a temporary facility used during the current drilling program. An 18" berm will surround the entire location. The following will be kept on location:

- 3 - Cement Silos - 1,033 CF each
- 2 - Sand Bins - 2,500 CF each
- 2 - KCL Tanks - 400 bbls each w/3% KCL
- 2 - Acid Tanks - 5,000 gals each w/15% HCL Acid

On March 21, 1997, Ron Firth approved the NBU #98V staging area sundry.

- b. The NBU #25, SWNE Section 3-T10S-R21E, will be used as a camp by drilling personnel during the current drilling program. Sewer facilities installed during Coastal's 1992 drilling program are still in existence and will be used for the same purpose. Skid mounted rig trailers (4-5) will be set up. A generator and 400 bbl water tank will also be installed. This will be a temporary facility used during the current drilling program. No foundations will be built. This camp has been approved by the Bureau of Land Management.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually with these facilities. 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 these facilities.

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.*

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

- a. The reserve pit will be located on the southeast side of the location.
- b. The stockpiled topsoil (first six inches) will be stored on the west side of the location. All brush removed from the well pad during construction will be stockpiled with the topsoil.
- c. The flare pit will be located on the south side of the location, downwind from the prevailing wind direction.
- d. Access will be from the east.
- e. 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 using a stretching device before it is attached to corner posts.

- f. The reserve pit fencing will be on two sides during drilling operations, and on four sides when the rig moves off location. Pits will be fenced and maintained until cleanup.

10. **Plans for Reclamation of the Surface:**

- a. 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 synthetic, 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 120 days from the date of well completion, weather permitting. This will be completed by backfilling and crowning the pit to prevent water from standing.

b. **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 may include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and the 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:**

a. **Access Roads - The proposed access road is located on lands owned by:**

- State of Utah  
Trust Lands Administration

b. **Well Pad - The well is located on land owned by:**

- State of Utah  
Trust Lands Administration  
675 East 500 South, Suite 500  
Salt Lake City, Utah 84102-2818

12. **Other Information:**

- a. 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 to 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.
- b. The Operator will control noxious weeds along right-of-ways for roads, pipelines, well sites, or other applicable facilities.

- c. A Class III archeological survey was conducted by Metcalf Archaeological Consultants, Inc. A copy of this report is being sent directly to Kenneth Wintch, Utah School Trust Lands, and James Dykman, Utah Preservation Office.

13. **Lessee's or Operators's Representative and Certification:**

Sheila Bremer  
Environmental & Safety Analyst  
Coastal Oil & Gas Corporation  
P.O. Box 749  
Denver, CO 80201-0749  
(303) 573-4455

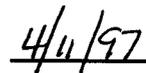
Tom Young  
Drilling Manager  
Coastal Oil & Gas Corporation  
9 Greenway Plaza, Coastal Tower  
Houston, TX 77046  
(713) 877-7044

Certification: 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 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.

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.

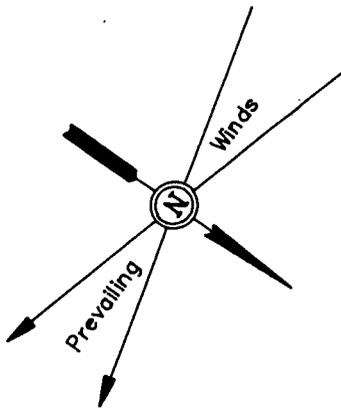
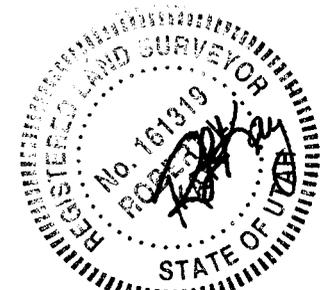
  
\_\_\_\_\_  
Sheila Bremer

  
\_\_\_\_\_  
Date

# COASTAL OIL & GAS CORP.

## LOCATION LAYOUT FOR

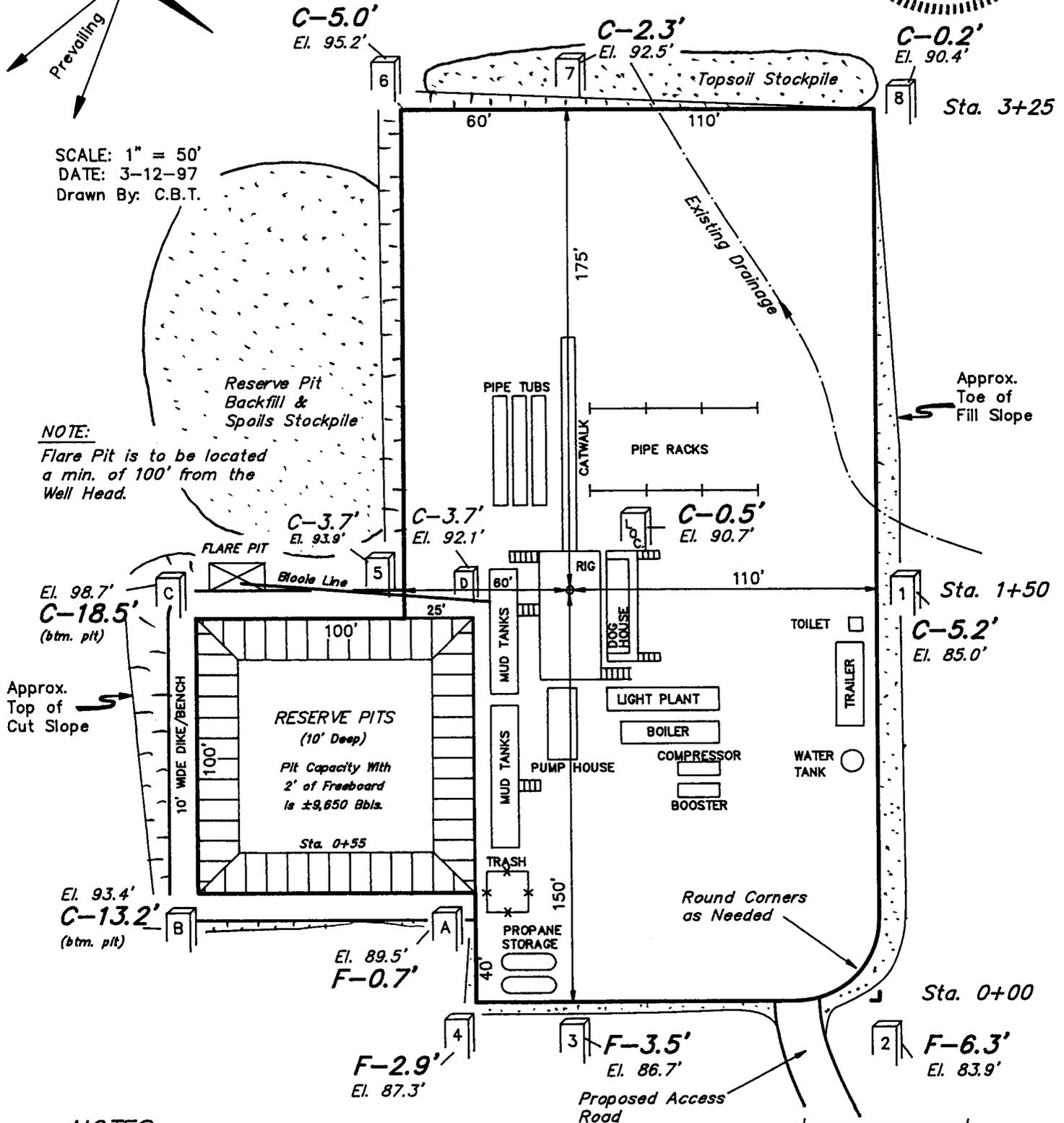
NBU #310  
SECTION 35, T9S, R21E, S.L.B.&M.  
482' FNL 1510' FWL



SCALE: 1" = 50'  
DATE: 3-12-97  
Drawn By: C.B.T.

**NOTE:**

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



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 4990.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4990.2'

**FIGURE #1**

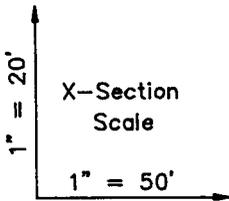
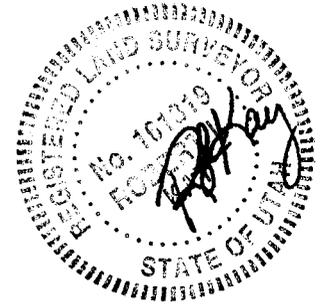
# COASTAL OIL & GAS CORP.

## TYPICAL CROSS SECTIONS FOR

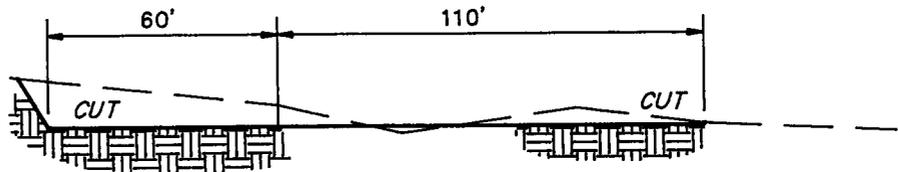
NBU #310

SECTION 35, T9S, R21E, S.L.B.&M.

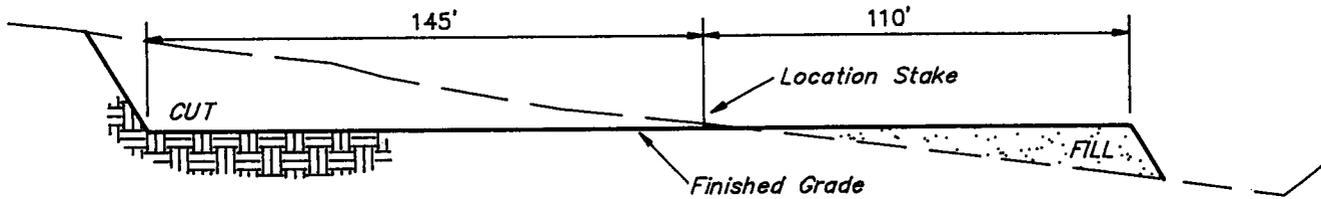
482' FNL 1510' FWL



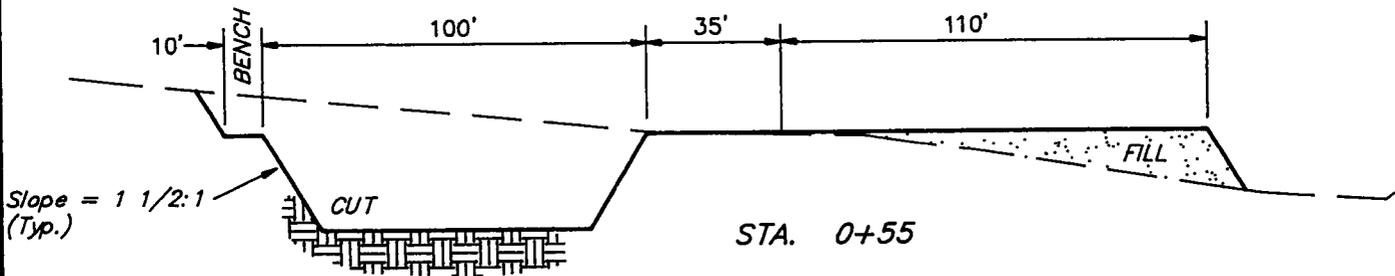
DATE: 3-12-97  
Drawn By: C.B.T.



STA. 3+25

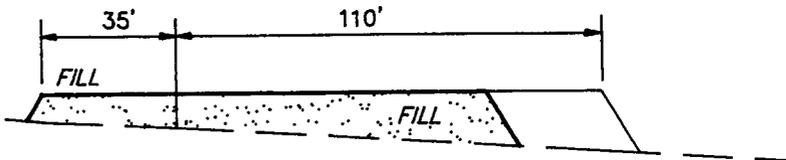


STA. 1+50



STA. 0+55

Preconstruction Grade



STA. 0+00

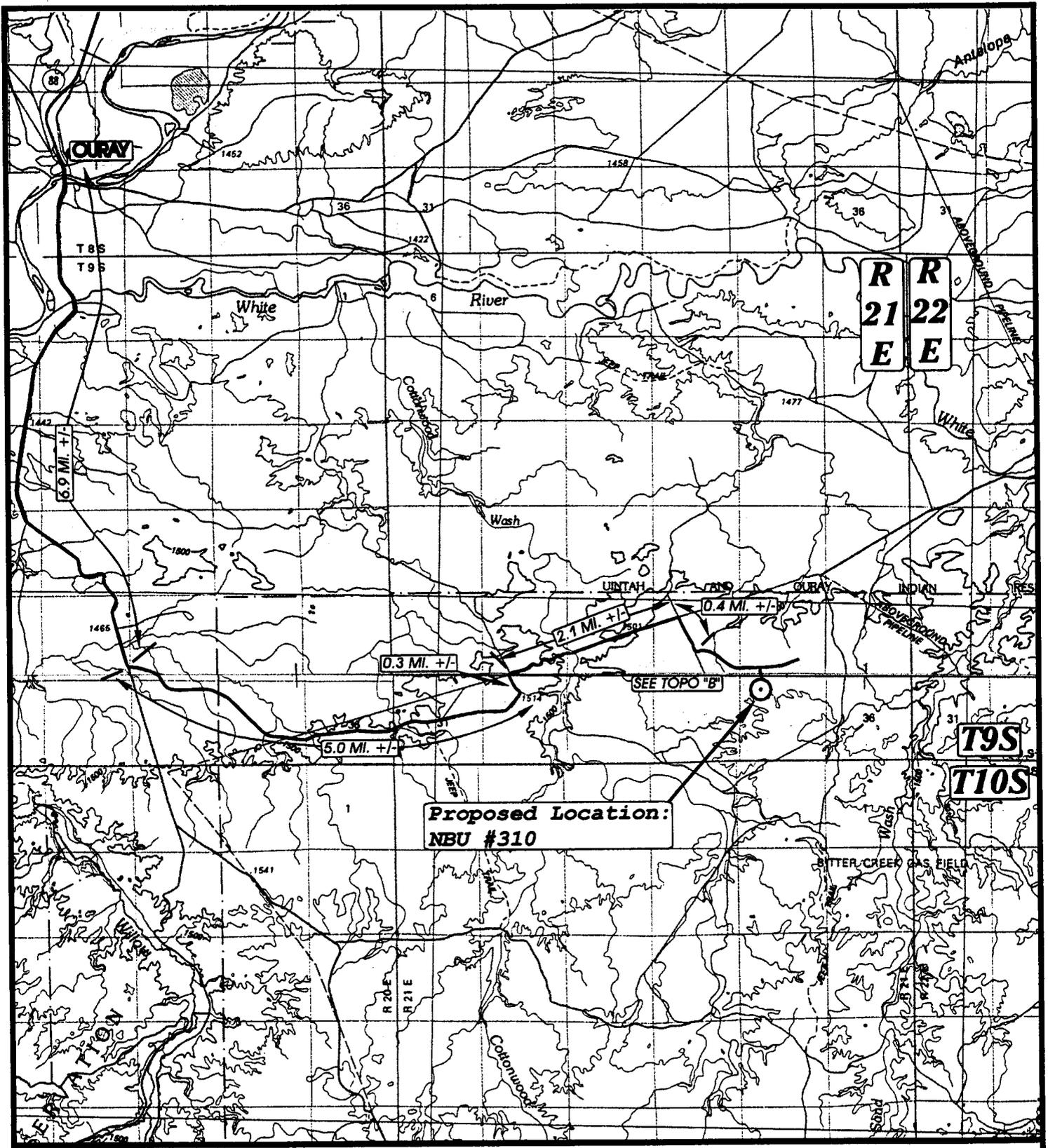
NOTE:  
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,140 Cu. Yds.
Remaining Location	=	5,780 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>6,920 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>4,100 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	=	2,600 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,480 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	120 Cu. Yds.

**FIGURE #2**



**Proposed Location:  
NBU #310**

**UELS**

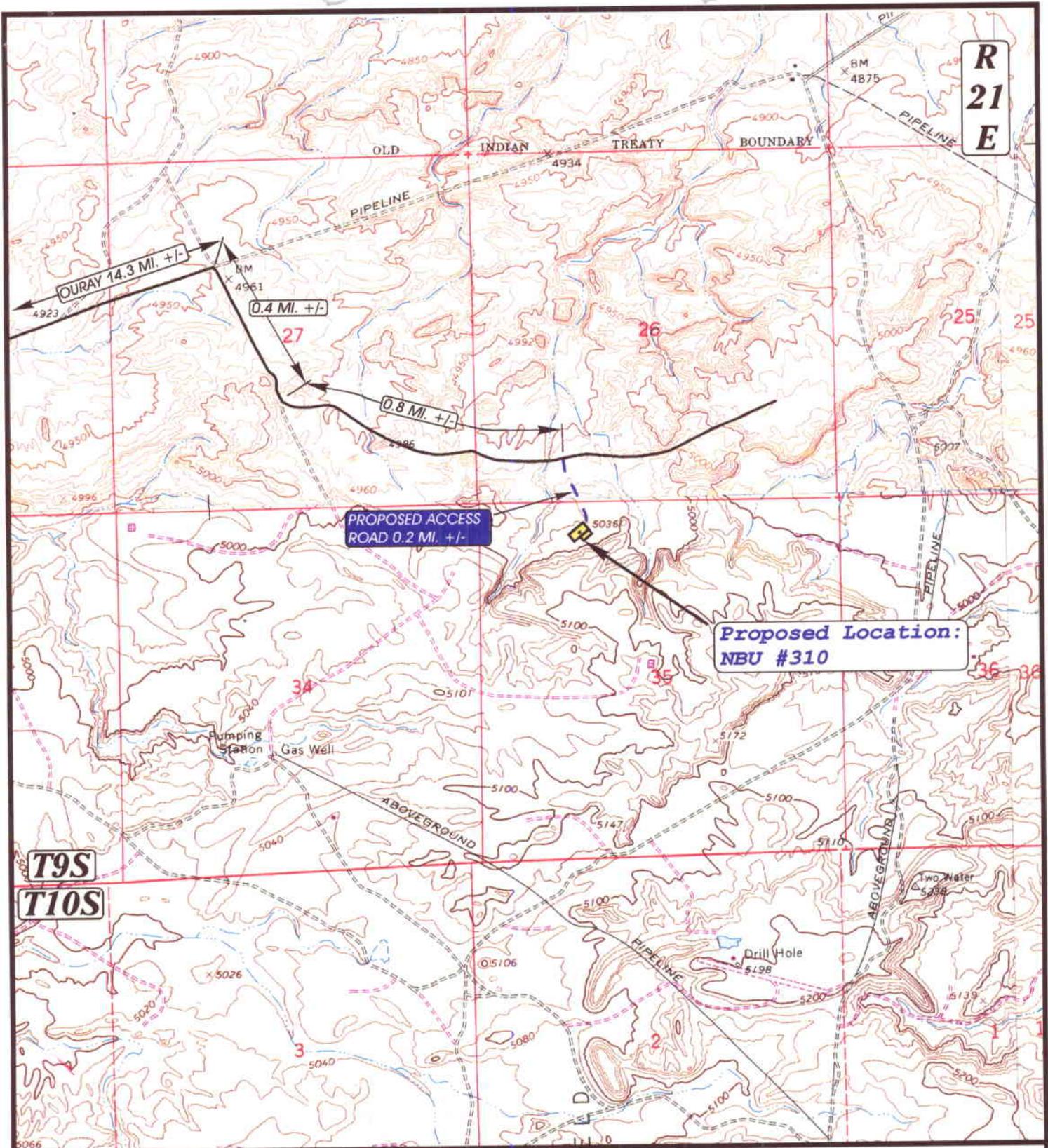
**TOPOGRAPHIC  
MAP "A"**

**DATE: 03-06-97  
Drawn by: D.R.B.**



**COASTAL OIL & GAS CORP.**

**NBU #310  
SECTION 35, T9S, R21E, S.L.B.&M.  
482' FNL 1510' FWL**



**R  
21  
E**

**T9S  
T10S**

**TOPOGRAPHIC  
MAP "B"**

DATE: 03-06-97  
Drawn by: D.R.B.

**COASTAL OIL & GAS CORP.**

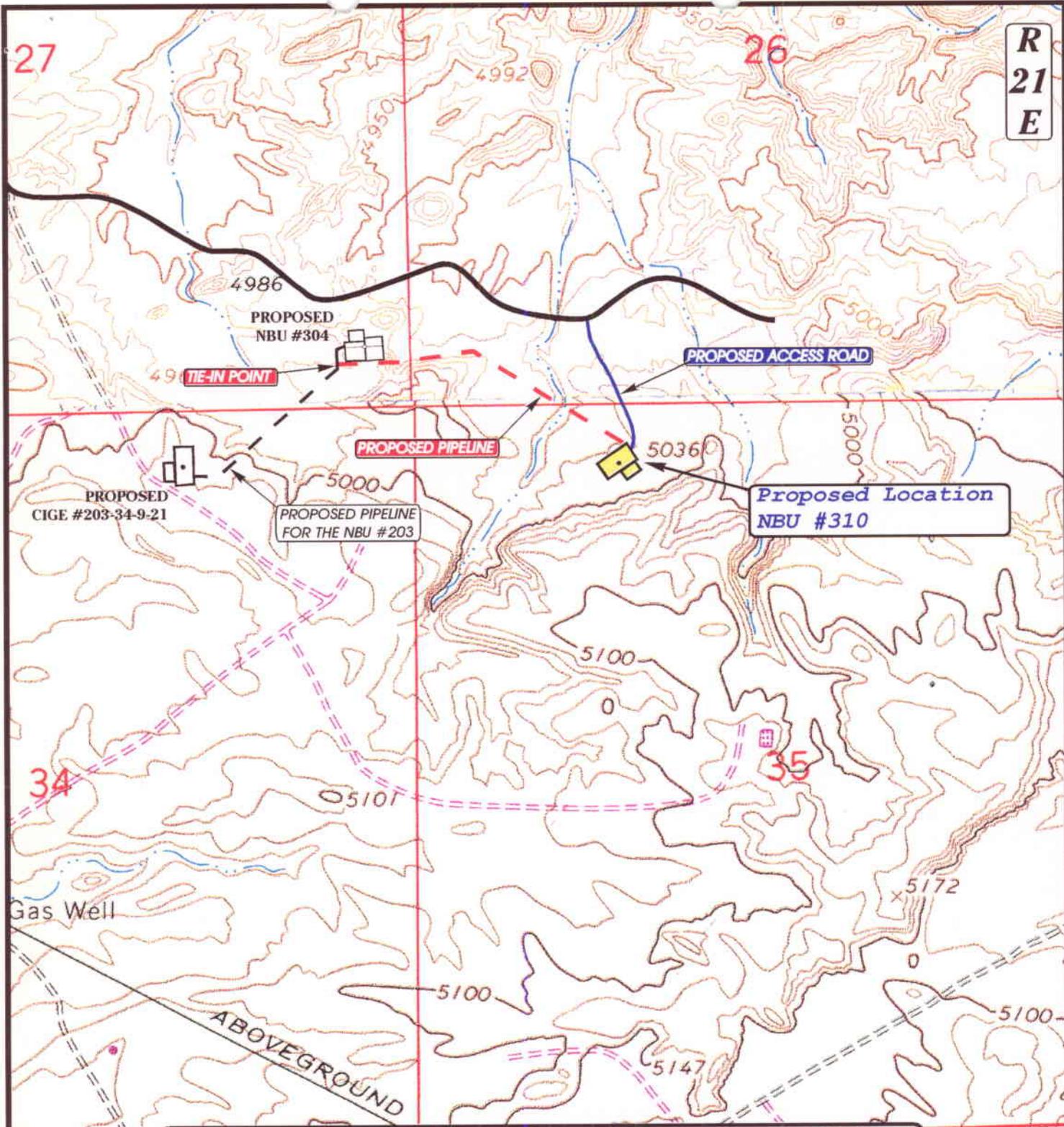
**NBU #310  
SECTION 35, T9S, R21E, S.L.B.&M.  
482' FNL 1510' FWL**



SCALE: 1" = 2000'

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017





**APPROXIMATE TOTAL PIPELINE DISTANCE = 2400' +/-**



**TOPOGRAPHIC MAP "D"**  
 --- Existing Pipeline  
 - - - Proposed Pipeline



**COASTAL OIL & GAS CORP.**

NBU #310  
 SECTION 35, T9S, R21E, S.L.B.&M.

DATE: 3-28-97  
 Drawn by: D.COX

Uintah Engineering & Land Surveying  
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SCALE: 1" = 1000'

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 04/14/97

API NO. ASSIGNED: 43-047-32882

WELL NAME: NBU 310  
OPERATOR: COASTAL OIL & GAS (N0230)

PROPOSED LOCATION:  
NENW 35 - T09S - R21E  
SURFACE: 0482-FNL-1510-FWL  
BOTTOM: 0482-FNL-1510-FWL  
UINTAH COUNTY  
NATURAL BUTTES FIELD (630)

INSPECT LOCATION BY: 04/30/97		
TECH REVIEW	Initials	Date
Engineering	JCB	5/7/97
Geology		
Surface		

LEASE TYPE: STA  
LEASE NUMBER: U-01194-ST

PROPOSED PRODUCING FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal  State  Fee   
(Number 102103 )
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
(Number 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )

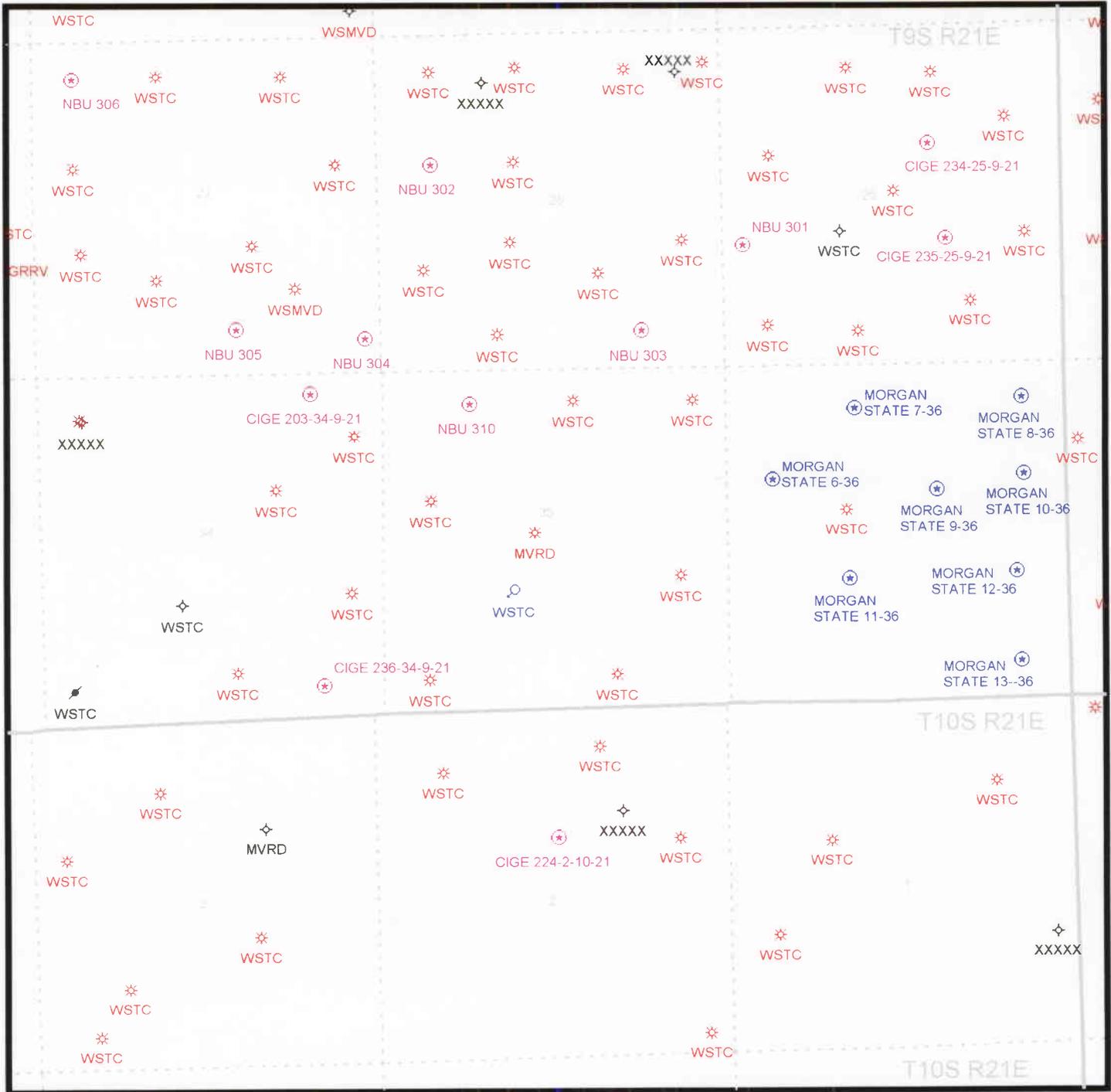
LOCATION AND SITING:

- R649-2-3. Unit: NATURAL BUTTES
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.  
Board Cause no: \_\_\_\_\_  
Date: \_\_\_\_\_

COMMENTS: Casing OK, cement OK (see NBU # 302 notes)

STIPULATIONS: 1. Statement of Basis

OPERATOR: COASTAL (N0230)  
FIELD: NATURAL BUTTES (630)  
SEC, TWP, RNG: 26,27,34,35 T9S,  
R21E, & 2, T10S R21E  
COUNTY: UINTAH  
UAC: R649-2-3 NATURAL BUTTES



PREPARED:  
DATE: 16-APR-97

ON-SITE PREDRILL EVALUATION

Division of Oil, Gas and Mining

OPERATOR: COASTAL OIL & GAS CORP.  
WELL NAME & NUMBER: NBU 310  
API NUMBER: 43-047-32882  
LEASE: ST U-01194-ST FIELD/UNIT: NATURAL BUTTES FIELD.  
LOCATION: 1/4, 1/4 NE/NW Sec: 35 TWP: 9S RNG: 21E 482' FNL1510' FWL  
LEGAL WELL SITING: 'F SEC. LINE; 'F 1/4, 1/4 LINE; 'F ANOTHER WELL.  
GPS COORD (UTM) 12626172E 4428412N  
SURFACE OWNER: STATE OF UTAH

PARTICIPANTS

PAUL BRESHEARS, SHIELA BREMER (COGC), ROBERT KAY (UELS), HARLEY  
JACKSON (JACKSON CONST.), JOHN FAUSETT, ALAN JUSTICE (DIRT  
CONTRACTORS), DAVID HACKFORD (DOGM).

REGIONAL/LOCAL SETTING & TOPOGRAPHY

SITE IS LOCATED IN AN AREA THAT IS ROLLING AND BROKEN. THE SITE IS  
AGAINST THE NORTH SLOPE OF AN EAST TO WEST TRENDING RIDGE.

SURFACE USE PLAN

CURRENT SURFACE USE: LIVESTOCK AND WILDLIFE GRAZING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 325' X 245.  
ACCESS ROAD WILL BE 0.2 MILES.

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. PROPOSED PIPELINE WILL COME FROM THE NBU #304.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE  
BORROWED FROM THIS SITE DURING CONSTRUCTION AND IS NATIVE.

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: GREASEWOOD, NATIVE GRASSES, SALTBRUSH, PRICKLY PEAR, RABBITBRUSH, SAGEBRUSH: PRONGHORN, RODENTS, COYOTES, BIRDS.

SOIL TYPE AND CHARACTERISTICS: LIGHT BROWN SANDY CLAY.

SURFACE FORMATION & CHARACTERISTICS: LOCAL BEDROCK IS PREDOMINANTLY UPPER EOCENE SANDSTONE, SILTSTONE AND MARLSTONE OF THE DUCHESNE RIVER AND UINTA FORMATIONS

EROSION/SEDIMENTATION/STABILITY: MINOR EROSION, MINOR SEDIMENTATION, NO STABILITY PROBLEMS ANTICIPATED.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

RESERVE PIT

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

LINER REQUIREMENTS (Site Ranking Form attached): NO LINER WILL BE REQUIRED.

SURFACE RESTORATION/RECLAMATION PLAN

AS PER STATE OF UTAH, TRUST LANDS.

SURFACE AGREEMENT: STATE OF UTAH, TRUST LANDS.

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

OTHER OBSERVATIONS/COMMENTS

INVESTIGATION WAS DONE ON A WARM DAY WITH NO SNOW COVER.

ATTACHMENTS:

PHOTOS OF PROPOSED SITE WILL BE PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

4/16/97 2:00 PM  
DATE/TIME

**Evaluation Ranking Criteria and Ranking Score  
For Reserve and Onsite 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>0</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>
<b>Final Score (Level II Sensitivity)</b>		<u>15</u>

APD evaluationNatural Buttes Unit # 302 - 43-047-32877Coastal O & G Corp.

## I. Casing program

Production casing:  $4\frac{1}{2}"$ , 11.6# K-55, LTC set at 8300'  
(TD = 9300')

$$\text{Max. mud wt} = 8.4 \text{ ppg} \Rightarrow \text{BHP} = (8.4)(0.052)(8300)$$

$$= \underline{\underline{3625 \text{ psi}}}$$

$$\text{Antic. BHP} = 3320 \text{ psi}$$

$$\text{Burst str.} = 5350 \text{ psi}$$

$$\text{Burst SF} = \frac{5350}{3625} = \underline{\underline{1.48}} \quad \checkmark \text{OK}$$

$$\text{Collapse str.} = 4960 \text{ psi}$$

$$\text{Collapse SF} = \frac{4960}{3625} = \underline{\underline{1.37}} \quad \checkmark \text{OK}$$

$$\text{Wt. of pipe} = (11.6)(8300) = 96,280 \#$$

$$\text{St. str.} = 180,000 \#$$

$$\text{Tension SF} = \frac{180,000}{96,280} = \underline{\underline{1.87}} \quad \checkmark \text{OK}$$

## II. Cement program

$$\text{Lead cement yield} = 2.69 \text{ cu. ft. / sk}$$

$$\text{Height of column} = 4340'$$

$$\text{Vol. of cement between } 4\frac{1}{2}" \text{ casing / } 7\frac{7}{8}" \text{ hole} = 0.4556 \text{ cu. ft. / ft}$$

(100% excess)

$$\text{Cement volume req.} = \frac{4340 \times 0.4556}{2.69} = \underline{\underline{735 \text{ sk}}}$$

$$\text{Tail cement yield} = 1.57 \text{ cu. ft. / sk}$$

$$\text{Height of column} = 3960'$$

$$\text{Cement vol. req.} = \frac{3960 \times 0.4556}{1.57} = \underline{\underline{1149 \text{ sk}}}$$

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

**Operator Name:** COASTAL OIL & GAS CORP.

**Name & Number:** NBU 310

**API Number:** 43-047-32882

**Location:** 1/4,1/4 NE/NW Sec. 35 T. 9S R. 21E

**Geology/Ground Water:**

The base of moderately saline water is at a depth of between 2000 feet to 3000 feet. High quality aquifers are generally not present in this area. If water zones are encountered they are discontinuous, yields are low and they are not subject to direct recharge. The proposed casing and cement program will adequately isolate and protect any water zones should they be encountered.

**Reviewer:** D. Jarvis

**Date:** 5/1/97

**Surface:**

The pre-site investigation of the surface was performed by field personnel on 4/16/97. All of the applicable surface management agencies and landowners have been notified and their concerns have been accommodated where reasonable. The area is covered by a light colored, aeolian sand with small area of defaltion.

**Reviewer:** DAVID W. HACKFORD

**Date:** 4/21/97

**Conditions of Approval/Application for Permit to Drill:**

1. The reserve pit shall be constructed east of the well bore.



# State of Utah

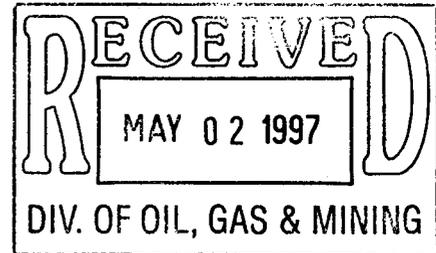
Department of Community & Economic Development  
Division of State History  
Utah State Historical Society



Michael O. Leavitt  
Governor  
Max J. Evans  
Director

300 Rio Grande  
Salt Lake City, Utah 84101-1182  
(801) 533-3500 • FAX: 533-3503 • TDD: 533-3502  
cehistory.ushs@email.state.ut.us

April 29, 1997



Oil & Gas Conservation  
Division of Oil, Gas and Mining  
P. O. Box 145801  
Salt Lake City UT 84114-5801

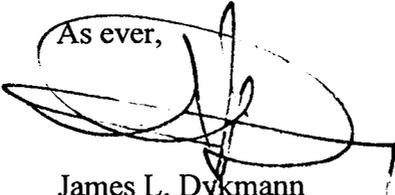
## BUILDING MAIL

RE: "Coastal Oil & Gas Proposed NBU #303, 304, & 310 Well Pads" U-97-MM-0126s

In Reply Please Refer to Case No. 97-0441

The Utah State Historic Preservation Office received the above referenced report on April 16, 1997. The contractor report states that 3 sites; [42UN 1047-49] were recorded within the project impact area. The Utah Preservation Office concurs with the recommendation of the contractor that none of the sites are Eligible for the National Register of Historic Places under criteria of 36CFR60.4. We, therefore, also concur with the report's recommendation that there will be **No Effect** as a result of this project.

This information is provided on request to assist the Division of Oil, Gas and Mining with its state law responsibilities as specified in U.A.C. 9-8-404. If you have questions, please contact me at (801) 533-3555.

As ever,  
  
James L. Dykmann  
Compliance Archaeologist

JLD:97-0441 OR/NPx3/NEx3

c: Metcalf Archaeological Consultants, Inc., P. O. Box 899, Eagle CO 81631

F:\CULTURAL\JIM\97-0441.wpd



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

May 7, 1997

Coastal Oil & Gas Corporation  
P.O. Box 749  
Denver, Colorado 80201-0749

Re: NBU 310 Well, 482' FNL, 1510' FWL, NE NW, Sec. 35, T. 9 S.,  
R. 21 E., 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 43-047-32882.

Sincerely,

for LPB  
Lowell P. Braxton  
Deputy Director

lwp

Enclosures

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

Operator: Coastal Oil & Gas Corporation  
Well Name & Number: NBU 310  
API Number: 43-047-32882  
Lease: ST U-01194-ST  
Location: NE NW Sec. 35 T. 9 S. R. 21 E.

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall 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 Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis dated May 1, 1997 (copy attached).

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number:

ST U-01194-ST

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

6. If Indian, Allottee or Tribe Name:

N/A

1A. Type of Work

DRILL

DEEPEN

7. Unit Agreement Name:

Natural Buttes Unit

B. Type of Well

OIL

GAS

OTHER:

SINGLE ZONE

MULTIPLE ZONE

8. Farm or Lease Name:

NBU

2. Name of Operator:

Coastal Oil & Gas Corporation

9. Well Number:

310

3. Address and Telephone Number:

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

10. Field and Pool, or Wildcat

Natural Buttes Field

4. Location of Well (Footages)

At surface: 482' FNL & 1510' FWL

At proposed proding zone:

11. Qtr/Qtr, Section, Township, Range, Meridian:

NENW Section 35-T9S-R21E

14. Distance in miles and direction from nearest town or post office:

See Topo Map A

12. County

Uintah

13. State:

Utah

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

482'

16. Number of acres in lease:

1082.97

17. Number of acres assigned to this well:

N/A

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

See Topo Map C

19. Proposed Depth:

6900'

20. Rotary or cable tools:

Rotary

21. Elevations (show whether DR, RT, GR, etc.):

Ungraded GR - 4991'

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
See Attached				
Drilling Program				

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 proposes to drill a well to the proposed TD as stated above. If productive, casing will be run and the well completed. If dry, the well will be plugged and abandoned as per State of Utah requirements.

See the attached Drilling Program and Multi-point Surface Use & Operations Plan.

Coastal Oil & Gas Corporation is considered to be the operator of the subject well. It agrees to be responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided for by Coastal's Bond #102103.

24.

Name & Signature Sheila Bremer

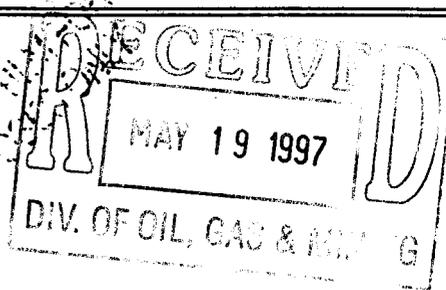
Title: Environmental & Safety Analyst

Date: 4/11/97

(This space for State use only)

API Number Assigned: \_\_\_\_\_

Approval: \_\_\_\_\_



(See Instructions on Reverse Side)

114090-010-002



**M A C**  
**Metcalf Archaeological Consultants, Inc.**

---

March 31, 1998

DENVER DISTRICT - E & S

Ms Bonnie Carson  
Coastal Oil & Gas Corporation  
P.O. Box 749  
Denver, CO 80201-0749

APR 3 1998

BLC *[initials]* RAD \_\_\_ SCP \_\_\_ CEL \_\_\_  
SAB \_\_\_ JRN \_\_\_ MDE \_\_\_ LPS \_\_\_

Dear Bonnie:

Enclosed please find one copy of the cultural resource inventory report that includes your proposed CIGE #193, CIGE #229, NBU #304, NBU #305, NBU #310, Wonsits 1-32 and Wonsits 2-32 pipeline reroutes and your already constructed pipelines CIGE #219, NBU #245, and NBU #262. These pipeline corridors are located on State and BLM land in Uintah County, Utah. The inventory resulted in two isolated finds (IFs) which are not significant and require no further work. Cultural resource clearance is recommended for all of the above pipelines as staked or already constructed at the time of the inventory. Copies of this report have been forwarded to Kenneth Wintch, James Dykman, and Blaine Phillips.

If you have any questions or concerns, please do not hesitate to call.

Sincerely

John M. Scott  
Staff Archaeologist

cc: James Dykman, Utah preservation Office  
Kenneth Wintch, Utah State Trust Lands  
Blaine Phillips, BLM, Vernal District



**Ten Coastal Well Pad Pipelines for Coastal Oil & Gas Corporation  
Class III Cultural Resource Inventory  
on State of Utah and BLM Lands, Uintah County, Utah**

Prepared by  
Dulaney Barclay

Michael D. Metcalf  
Principal Investigator

Prepared for  
Coastal Oil & Gas Corporation  
Denver, Colorado

Utah State Project #U-98-MM-0152 b,s

March 1998

## INTRODUCTION

Ten short well pad pipelines were inspected for cultural resources by Metcalf Archaeological Consultants, Inc. (MAC) for Coastal Oil & Gas Corporation (CIGE #193, CIGE #219, CIGE #229, NBU #245, NBU #262, NBU #304, NBU #305, NBU #310, Wonsits 1-32 State and the Wonsits 2-32 State). The NBU and CIGE locations are in the Natural Buttes area north and south of the White River while the Wonsits State pipelines are on Deadman Bench in the vicinity of Red Wash. All the pipelines are located in Uintah County, Utah (Appendix A).

The pipelines are being constructed as part of a upgrading and expansion of the existing facilities. These proposed aboveground pipelines extend from both unconstructed and existing well pads to existing aboveground pipelines or well pad facilities. The pipeline for the Wonsits #1-32 heads south from the well pad for roughly 2200 feet along the east side of an existing pipeline to the Wonsits 2-32 well pad. The pipeline for the Wonsits #2-32 heads runs south from the well pad along the west side of an improved oil field road at a 5 meter offset for approximately 6700 feet to its tie-in with an existing aboveground pipeline. The proposed NBU #310 pipeline exists the well pad on its east side and runs east for approximately 600 feet to an existing aboveground pipeline trending north-south. The proposed NBU #305 pipeline runs northeasterly for approximately 1000 feet out of the previous inventory block to a tie-in with an existing aboveground pipeline. The proposed pipeline for the CIGE #219 exists the east side of the well pad and runs roughly 500 feet to an existing aboveground pipeline. The proposed NBU #262 pipeline exists the southeast corner of the well pad and runs 1200 feet to a tie-in with an existing aboveground pipeline southeast of the NBU #221 well pad. Much of this pipeline was located in the access road inventory corridor. The proposed pipeline for the NBU #245 exists the north side of the well pad and runs for 650' to an existing east-west trending aboveground pipeline. The NBU #304 pipeline parallels the access road to the well pad for approximately 400 feet to its tie-in with an existing pipeline along the south side of an existing oil field road. The CIGE #229 pipeline runs northeasterly along a previously inventoried corridor out the northeast corner of the previous inventory block. It then parallels the existing CIGE #165 access road on the west side for approximately 1100 feet. The pipeline then crosses the road and continues along the east side of the existing access road for roughly 1500 feet to its tie-in with an existing aboveground pipeline.

Inventory was performed on eight of the ten pipelines as the other two lie within previous inventory areas (CIGE #229 and NBU #304 pipelines). Some had been inadvertently constructed without cultural resource clearance and were inventoried during the current investigation in order to determine if any resources were impacted by the construction (CIGE #219, NBU #245 and NBU #262 pipelines). In addition, cultural resource inventory was undertaken on four new pipelines (CIGE #193, NBU # 305, NBU #310, Wonsits #1-32, and Wonsits #2-32 pipelines). Table 1 enumerates the status of the pipelines and the actions taken at each during the current project. Corridors 100 feet wide were inventoried for those pipelines requiring new inventories. A total of approximately 31 acres was inventoried during this investigation. Of this, approximately 10.5 acres was on State of Utah Lands and 20.5 acres was on lands administered

by the Bureau of Land Management. Two isolated finds were recorded during this investigation.

The project was conducted on March 23-26, 1998 by MAC archaeologist John M. Scott. It was carried out under State of Utah Permit #U-97-MM that expires on 2/27/99 and BLM Cultural Use Permit #97UT54945 which expires 5/1/97. All field notes, maps, and photographs are on file at the MAC office in Eagle, Colorado.

**Table 1- Project pipelines**

Pipeline	Status	Action	Location/7.5' Quad	Acres	Ownership
CIGE #193	new pipeline	new inventory	Section 35, T.9S, R.22E/ Archy Bench	1.8	BLM
CIGE #219	existing pipeline	new inventory	Section 29, T.9S, R.22E/ Red Wash SW	1.1	State
NBU #245	existing pipeline	new inventory	Section 8, T.10S, R.22E/ Archy Bench	1.5	BLM
NBU #262	existing pipeline	new inventory	Section 33 & 34, T.9S, R.21E/Big Pack Mtn. NE	BLM-0.8 State-2.1	BLM (Section 33) State (Section 34)
NBU #304	within previous survey area	no additional work	Section 27, T.9S, R.21E/ Ouray SE	None	State
NBU #305	new pipeline	new inventory	Section 27, T.9S, R.21E/ Ouray SE	2.3	State
NBU #310	new pipeline	new inventory	Section 26, T.9S, R.21E/ Big Pack Mtn. NE	1.4	BLM
Wonsits #1-32	new pipeline	new inventory	Section 32, T.7S, R.22E/Red Wash NE	5.0	State
Wonsits #2-32	new pipeline	new inventory	Section 32, T.7S, R.22E/Red Wash NE	15.0	BLM
CIGE #229	within previous survey area	no additional work	Section 1, T.10S, R.20E/ Big Pack Mtn. NE	None	BLM

## STATEMENT OF OBJECTIVES

Following the mandated policies implementing the National Historic Preservation Act (NHPA [Public Law 89-665]), as amended, this project was inventoried to locate any cultural resources within the potential area of effect. Any discovered cultural resources were to be evaluated for eligibility to the National Register of Historic Places (Register). To be eligible for the Register, the resource must retain essential aspects of integrity and meet one or more of the

Criteria for Eligibility (36 CFR §60.4). For archaeological resources, eligibility is typically recommended under Criterion d, on the basis of the information potential of surface artifacts and features, and intact sub-surface cultural deposits. Historical resources may be evaluated under any of the four Criteria on the basis of information potential or significant historic associations.

## **ENVIRONMENT**

This project is located in the dissected uplands surrounding the White River on the southern margins of the Uintah Basin and on top of Deadman Bench. A series of gently sloping benches carved on sandstone bedrock rises to the north toward the Uinta Mountains the bounds the Uintah Basin on the north. The topography is controlled by the differential erosion of nearly flat lying horizontal strata. It is very rugged in more dissected areas adjacent to the White River becoming more gently rolling to the north and south. The erosion and dissection of these gently sloping pediment surfaces has carved low ridges, knobs, and buttes from the underlying sandstone bedrock. The area is drained by the west flowing White River that joins the Green River at Ouray several miles away. A dendritic pattern of intermittent and ephemeral drainages empty into the White River from the north and south.

Local vegetation is predominately shadscale type community consisting of low sagebrush, saltbrush, rabbitbrush, greasewood, mixed forbs, prickly pear, and sparse mixed grasses. Ground surface visibility was good to excellent with an average of 20-30% cover. Thicker vegetation is located in sandy areas (40-50% cover) while rocky outcrops are devoid of vegetation (0% cover). Sediments in the area are generally thin, consisting of predominately of residual materials overlying bedrock. Aeolian and alluvial sand deposits are generally thin and isolated in nature. Aeolian sand deposits are found overlying residual sediments and bedrock on the tops of the benches and on the leeward side of prominent landforms. Alluvial deposits are mainly found in drainage bottoms and on the broad floodplains of the Green and White Rivers. Some localized deeper sand shadow and coppice dune deposits can be found throughout the project area especially on Deadman Bench. Colluvial deposits are found around the bases of steep slopes and on narrow ledges. The local bedrock is Tertiary aged Uinta and Duchesne River formations of sandstone and clay. Quarternary alluvial deposits are found in the modern White and Green River floodplains with outwash gravels and cobbles covering the sloping pediment surfaces (Hintze 1980). Overall, there is limited potential for buried cultural materials but small localized areas have slightly higher potentials.

## **FILES SEARCH**

Files searches were conducted through the Utah Division of State History in Salt Lake City on March 17, 1998 and at the BLM offices in Vernal, Utah on March 24 and 25, 1998. Portions of all of these pipelines lie within the inventory blocks for their associated well pads. Two of the pipelines lie completely within previous survey areas. No sites lie within the proposed pipeline corridors.

The CIGE #229 pipeline lies within three previously inventoried areas. The well pad inventory block covered the north end of the pipeline (Barclay 1997a). A portion falls within the adjacent CIGE #134 well pad inventory block (O'Brien et al. 1991), and the remainder lies within the access road inventory for the CIGE #165 (Scott 1991) and an unknown inventory conducted in the 1970's (Blaine Phillips, Personal Communication). Two prehistoric sites were recorded (42UN1832 & 42UN1833). Site 42UN1832 (significant) lies on the opposite side of the existing CIGE #165 access road from the current pipeline and 42UN1833 (unevaluated) lies approximately 400 feet west of the pipeline. The pipeline for the CIGE #304 lies completely within survey area of the well pad and access road (Scott 1997a). No cultural resources were recorded.

Portions of the remaining eight pipelines lie within previous project areas. The CIGE #193 well pad, access road and low pressure pipeline was inventoried in 1996 (Spath 1996a) and a high pressure pipeline was inventoried in 1997 (Barclay 1997b). No cultural resources were found either of these investigations. The NBU #245 well pad, access road, and low pressure pipeline were inventoried in 1996 (Spath 1996b). No cultural resources were found. The proposed NBU #262 pipeline parallels the existing access road for most of its extent. The pipeline was already constructed at the time of inventory. The NBU #262 well pad, access and pipeline were inventoried in 1996 (Spath 1996c). A single isolated find was discovered along the access corridor. The isolated find was not relocated during the current investigation. The NBU #221 well pad, access, and pipeline were inventoried in 1994 (O'Brien & Barclay 1994) and no cultural resources were found. The CIGE #219 was inventoried in 1997 (Spath 1997). No cultural resources were located during that inventory. The NBU #305 was inventoried in 1997 (Barclay 1997c). One isolated find was recorded in the northeast corner of the inventory block. The proposed pipeline lies close to the previously recorded isolated find. The isolated however was not encountered during this investigation and appears lie north of the proposed pipeline. The NBU #310 well pad, access, and pipeline were inventoried in 1997 (Scott 1997). Three sites (42UN1048, 42UN1049 and 42UN1043) were noted in the vicinity of the well pad, but found to outside the project boundaries. All three of these sites lie several hundred feet west of the current proposed pipeline, on the opposite side of the well pad. Lastly, the Wonsits State #1-32 & 2-32 were recently and no cultural resources were recorded (McKibbin 1998).

## **FIELD METHODS**

The portions of the pipelines that extend outside the previous inventory areas was inspected using zig-zag pedestrian transects that covered 50 feet (15 m) on either side of the staked centerline. Total corridor width was 100 feet (30 m). Special attention was paid to areas of enhanced subsurface visibility, such as eroded areas, rodent backdirt piles, road cuts and animal trails.

If cultural materials were located, the area was examined closely until all surface manifestations had been identified and the resource adequately defined. Appropriate site forms or isolated find forms and other documentation were then completed, including plotting the resource on the proper USGS Quadrangle. Sketch maps were prepared using a Brunton Pocket

Transit and pacing for distance. Site overview photographs were then taken of all sites. Datums are white PVC pipe with a metal site tag embossed with the temporary site number.

## **RESULTS**

Two isolated finds were recorded during this investigation (Appendix B). A medium sized projectile point with a missing base was found during inventory of the Wonsits State #2-32 pipeline (IF 2-32-1). The artifact was found on the west side of an existing oil field road approximately 15 meters (50 feet) from the pipeline centerline and will not be impacted by the pipeline construction. Another isolated find consisting of a single flake of chert was recorded during inventory of the NBU #305 pipeline. The isolate (IF MM30598) is located approximately 10.5 meters north of the pipeline outside the right-of-way corridor for the pipeline. Both recorded resources are considered non-significant. Isolated finds are by definition not eligible to the National Register.

## **RECOMMENDATIONS**

No further work is recommended and cultural resource clearance is recommended. No significant resources were found within the project areas and no significant resources will be impacted by the planned project.

## REFERENCES CITED

Barclay, Dulaney

- 1997a *Coastal Oil & Gas Corporation's CIGE #226 and CIGE#229 Well Pads, Pipelines, and Accesses, Class III Cultural Resource Inventory, Section 3, T.10S, R.21E & Section 1 T.10S, R.20E, Uintah County, Utah.* Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-97-MM-0157b
- 1997b *Coastal Oil & Gas Corporation's Natural Buttes High Pressure Pipeline System, Uintah County, Utah.* Prepared by Metcalf Archaeological Consultants, Inc. Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-97-MM-0169bs.
- 1997c *Coastal Oil & Gas Corporation's NBU #305 Well Pad, Pipeline and Access Class III Cultural Resource Inventory Section 27, T.9S, R.21E, Uintah County, Utah.* Prepared by Metcalf Archaeological Consultants, Inc. Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-97-MM-0141s.

O'Brien, Patrick K., Patrick M. Lubinski, and John M. Scott

- 1991 *Cultural Resource Inventory for 14 Proposed Coastal Oil & Gas Corporation Well and Access Locations on BLM Lands, Uintah County, Utah.* Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-91-MM-55b.

O'Brien, Patrick and Dulaney V. Barclay

- 1994 *Class III Cultural Resource Inventory of Coastal Oil & Gas Corporation's Proposed NBU #221 Well Pad, Access Road, and Pipeline, Uintah County, Utah.* Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-94-MM-116s.

McKibbin, Anne

- 1998 *Coastal Oil and Gas Production Corporation Proposed Wonsits State #1-32 & 2-32 Well Locations and Access: Cultural Resource Inventory, Uintah County, Utah.* Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-98-MM-0088s.

Scott, John M.

- 1997 *Coastal Oil & Gas Corporation's Proposed NBU #303, #304, & 310 Well Pads: Class III Cultural Resource Inventory, Pipeline and Access, Uintah County, Utah.* Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-94-MM-0126s.

1991 *CIGE 165-1-10-20 Well Location and Access Cultural Resource Inventory for Coastal Oil & Gas Corporation, Uintah County, Utah. Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-91-MM-707b,s.*

Spath, Carl

1997 *Coastal Oil & Gas Corporation's CIGE #219, #235, and #236 Well Pads, Pipelines, and Access, Sections 25 and 34, T9S, R21E, and Section 29, T9S, R22E, Uintah County, Utah, Class III Cultural Resource Inventory. Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-91-MM-0084s*

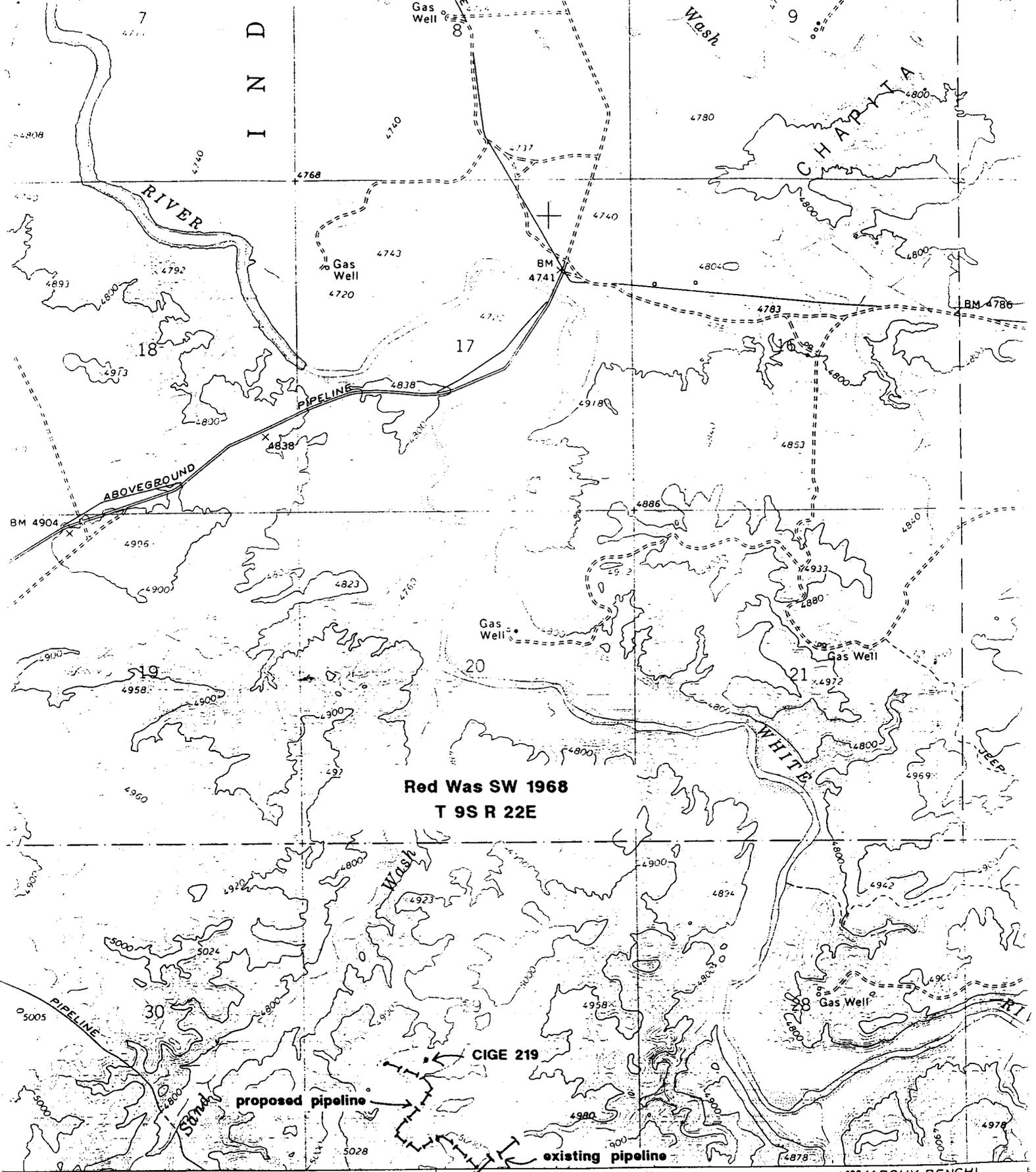
1996a *Coastal Oil & Gas Corporation's Proposed CIGE #193, #194 and #196 Well Pads, Pipelines, and Access Sections 6 and 35, T9S, R22E, and Section 1, T10S, R22E, Uintah County, Utah Class III Cultural Resource Inventory. Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-96-MM-0648b.*

1996b *Coastal Oil & Gas Corporation's NBU #243, #244 and #245 Class III Cultural Resource Inventories, Uintah County, Utah. Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-96-MM-0645b.*

1996c *Coastal Oil & Gas Corporation's Proposed NBU #262 Well Pad, Access and Pipeline Corridor, Section 33, T9S, R21E, Uintah County, Utah Class III Cultural Resource Inventory. Prepared by Metcalf Archaeological Consultants, Inc., Eagle, Colorado. Ms on file at Division of State History, Salt Lake City. Project #U-96-MM-0656b.*

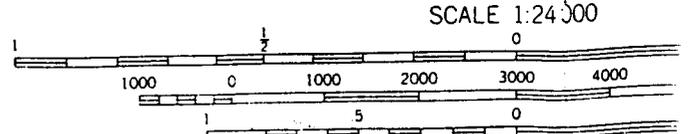
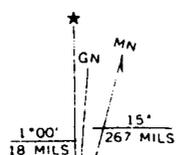
Appendix A  
(Pipeline Location Maps)





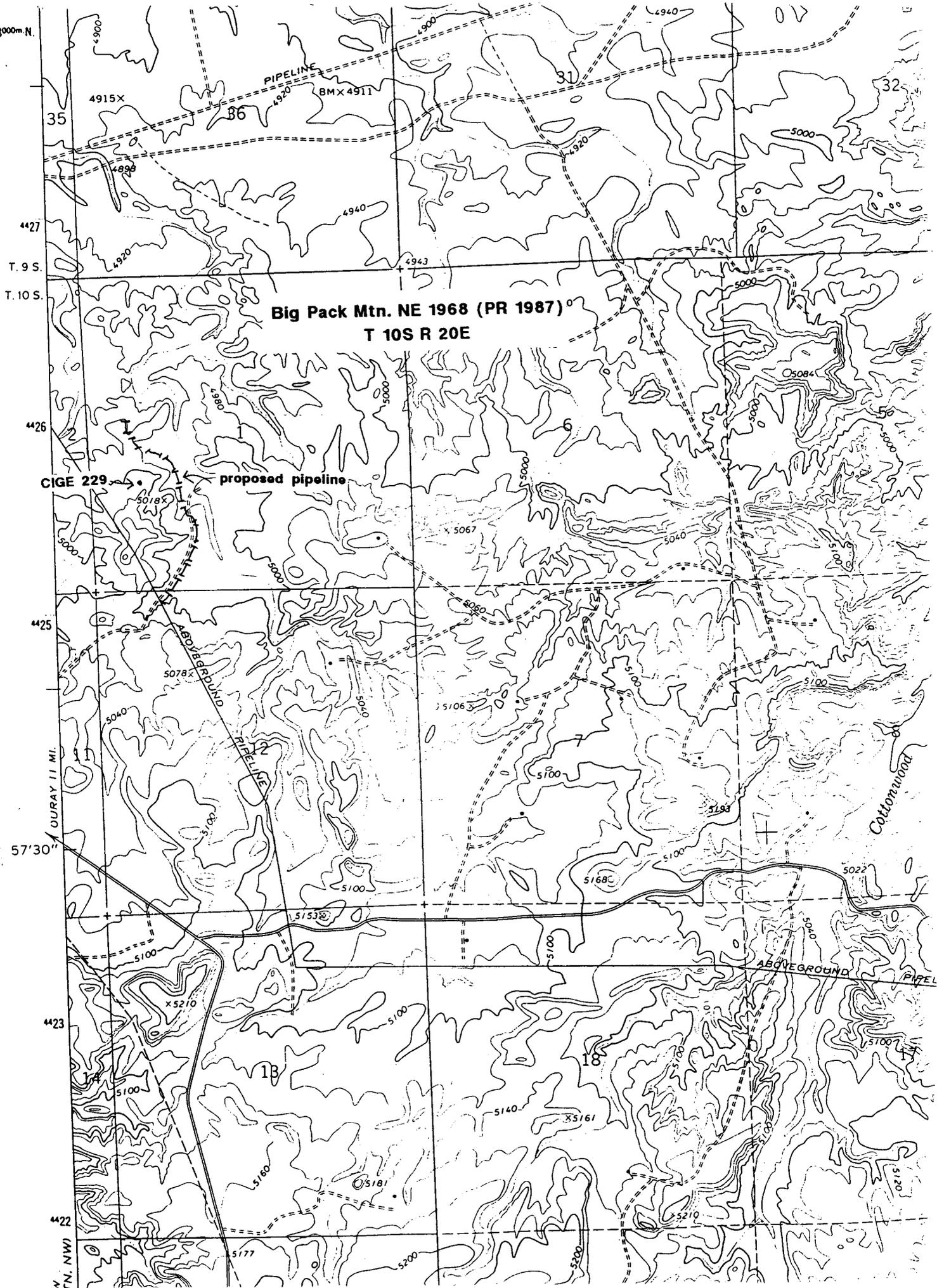
**Red Was SW 1968  
T 9S R 22E**

Published by the Geological Survey  
&GS  
Metric methods from aerial  
Field checked 1968  
7 North American datum  
Utah coordinate system, central zone



SCALE 1:24,000  
CONTOUR INTERVAL 20 FEET  
DOTTED LINES REPRESENT 10-FOOT CO

4428000m. N.



**Big Pack Mtn. NE 1968 (PR 1987)  
T 10S R 20E**

CIGE 229 → ← proposed pipeline

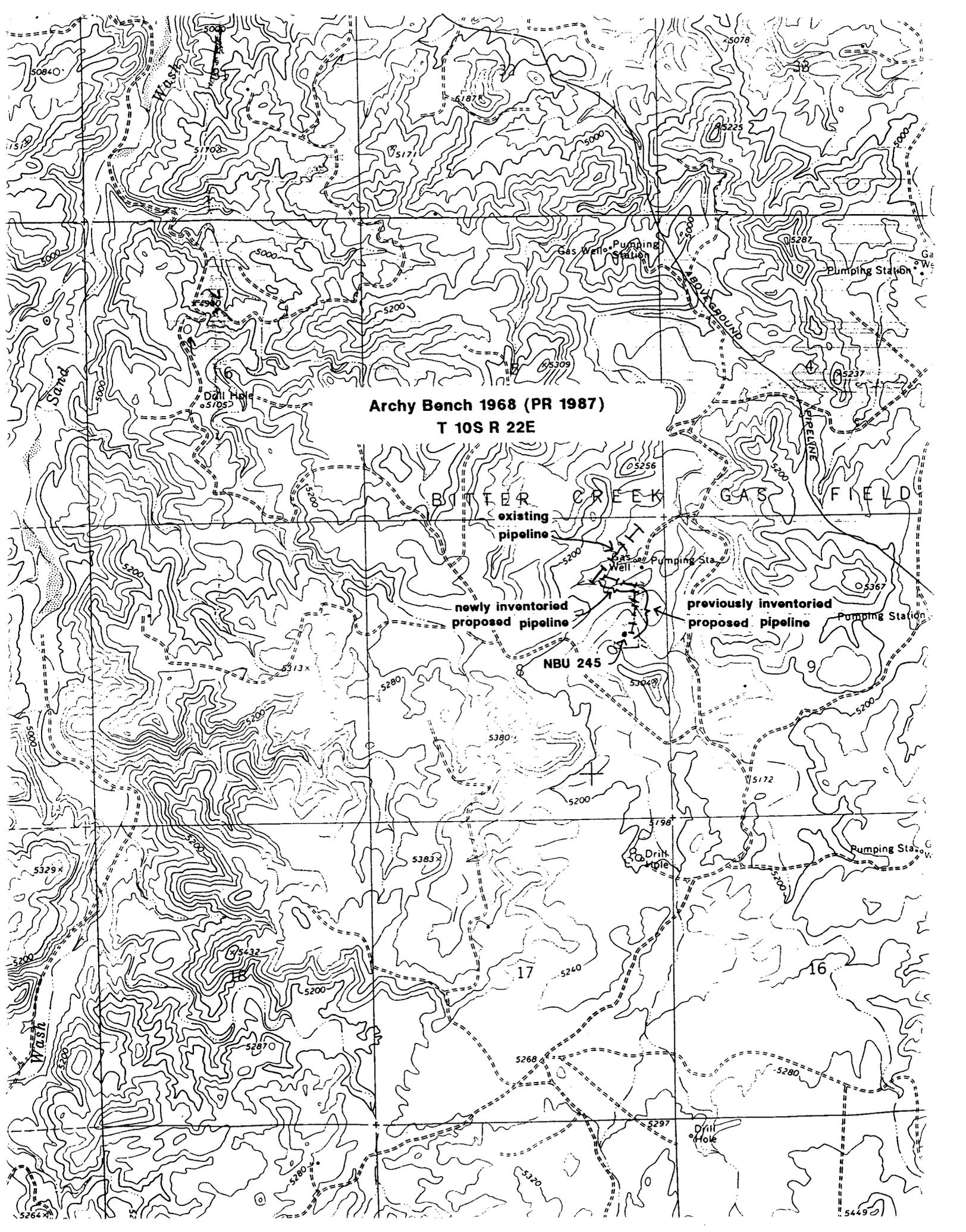
ABOVEGROUND PIPELINE

ABOVEGROUND PIPELINE

Cottonwood

OURAY 11 MI.  
57°30"

4422  
N. NW



**Archy Bench 1968 (PR 1987)**  
**T 10S R 22E**

**BITTER CREEK GAS FIELD**

existing pipeline

newly inventoried proposed pipeline

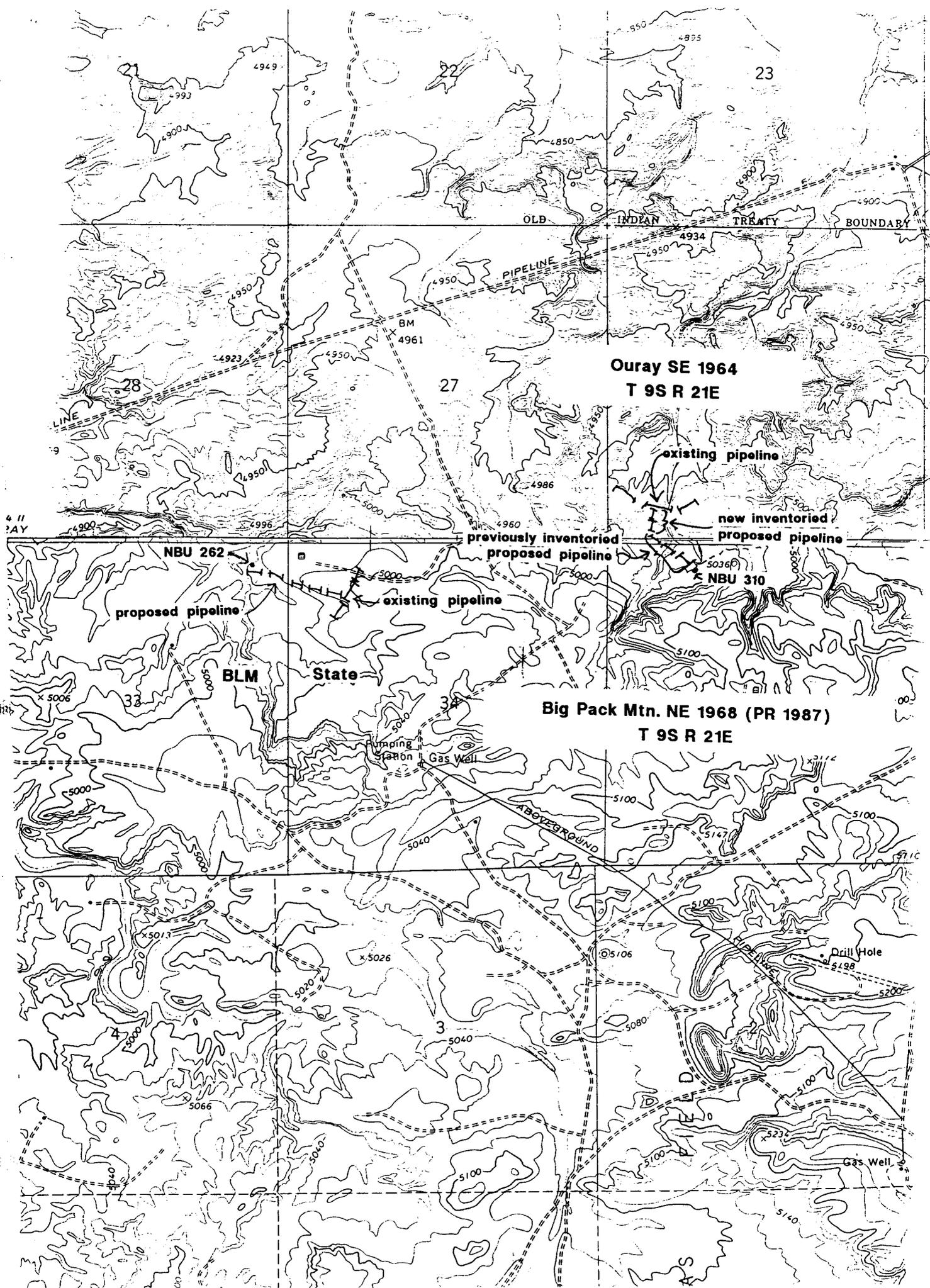
previously inventoried proposed pipeline

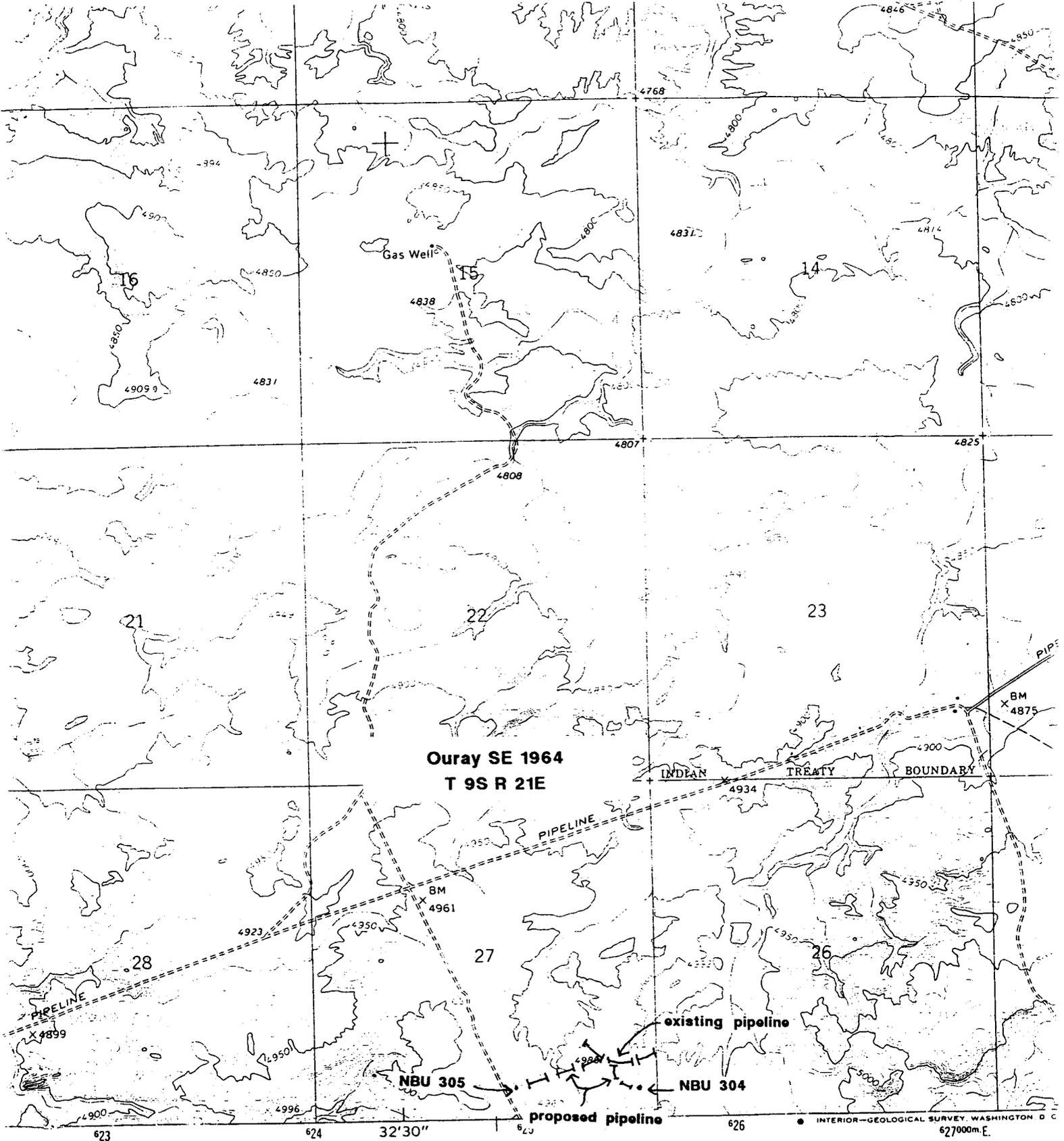
**NBU 245**

9

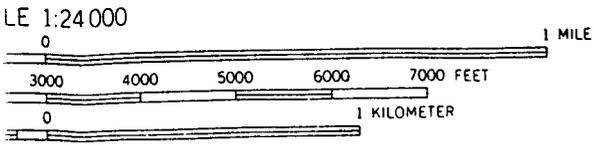
17

16

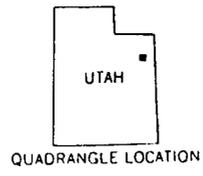




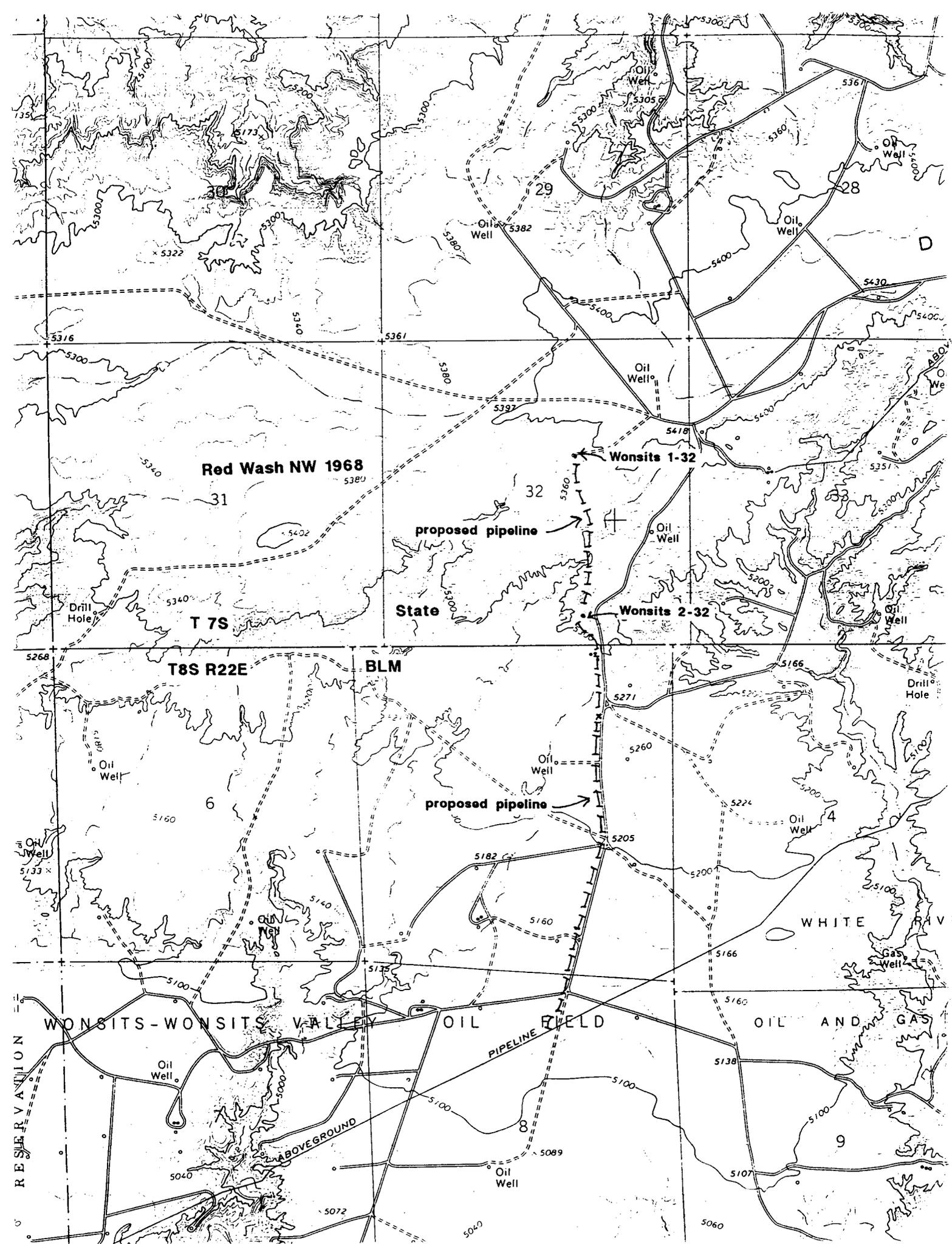
**Ouray SE 1964  
T 9S R 21E**



**ROAD CLASSIFICATION**  
 Light-duty           Unimproved



**OURAY SE**  
 1:24000—V



**Appendix B**  
**(Isolate Find [IF] Forms)**

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number

ST U-01194-ST

6. Indian, Allottee or Tribe Name:

NA

7. Unit Agreement Name:

Natural Buttes Unit

8. Well Name and Number:

NBU 310

9. API Well Number:

43-047-32882

10. 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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 482' FNL & 1510' FWL (NE/NW)

County: Uintah

QQ,Sec., T., R., M.: Section 35, T9S-R21E

State: Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <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"/> Abandon*                                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Construct pipeline</u> |   |

Date of work completion April, 1998

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

\* Must be accompanied by a cement verification report.

12. 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.)

Please see the attached map for the location of the pipeline constructed to service the referenced location. The pipeline was constructed according to the Natural Buttes Standard Operating Procedure. An alternative route to the pipeline route permitted in the APD was necessary in order to sufficiently produce the well. An archaeological survey was conducted along the new route, and clearance was recommended. A copy of the archaeological report is attached.

A copy of this sundry was sent to Utah School Lands Trust.

13.

Name & Signature

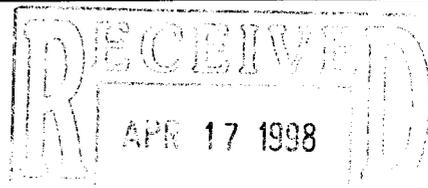
*Bonnie Carson*

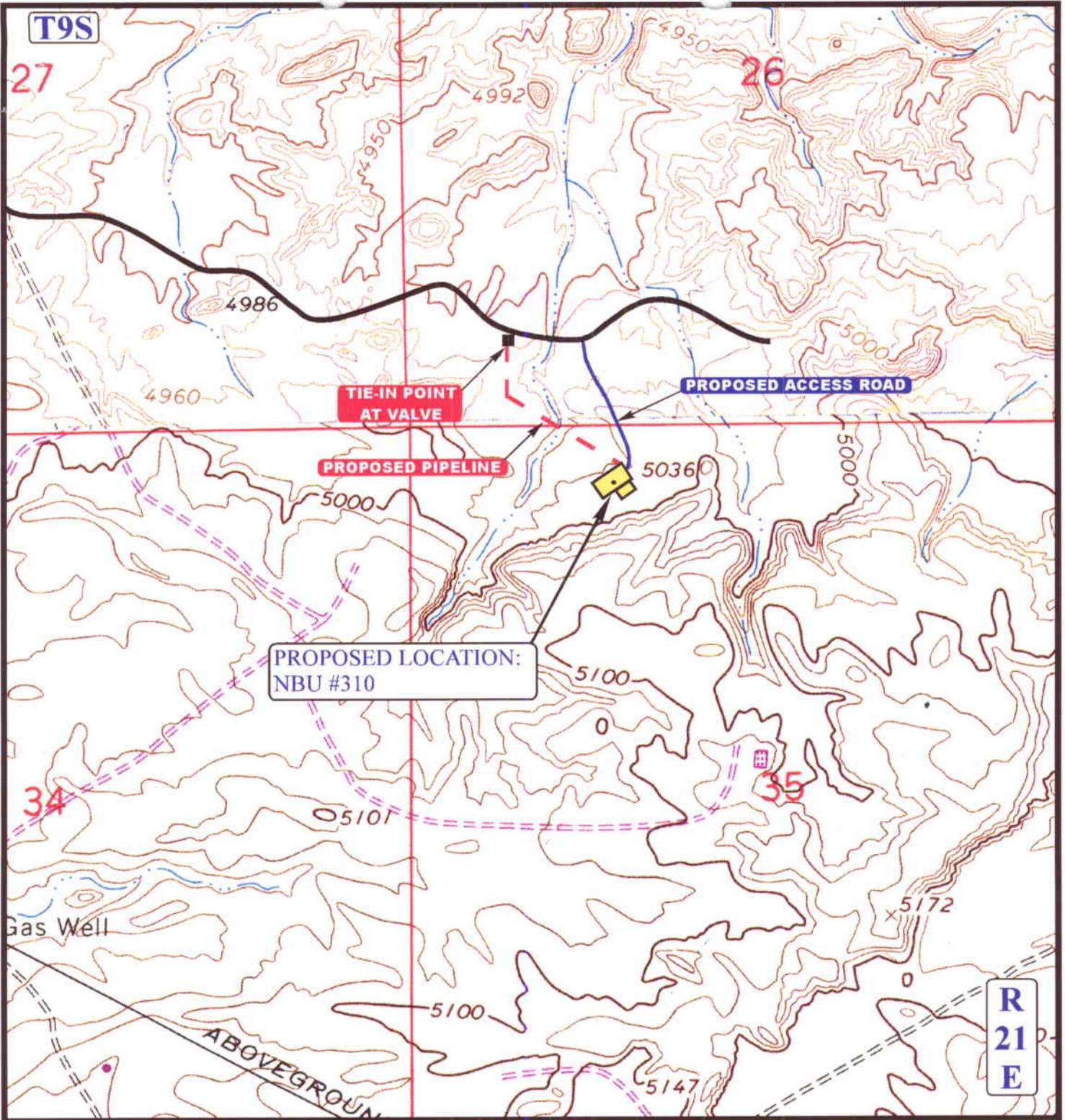
Title

Bonnie Carson  
Senior Environmental Analyst

Date 4/14/98

(This space for State use only)





**APPROXIMATE TOTAL PIPELINE DISTANCE = 2550' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

**COASTAL OIL & GAS CORP.**

**NBU #310**  
**SECTION 35, T9S, R21E, S.L.B.&M.**  
**482' FNL 1510' FWL**

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



**TOPOGRAPHIC MAP** **3 28 97**  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 3-25-98

**D**  
**TOPO**

3/30/98 XC: DHS  
 RTL  
 drls

OPERATOR Coastal Oil & Gas Corporation  
ADDRESS P.O. Box 749  
Denver, CO 80201-0749

OPERATOR ACCT. NO. N 0230

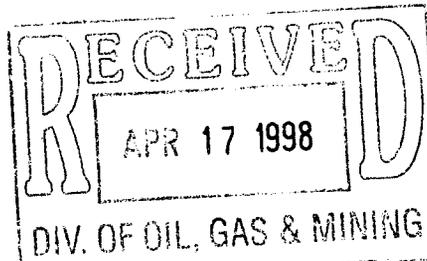
ENTITY ACTION FORM - FORM 6

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	02900	43-047-33003	CIGE #196-6-10-22	SESE	6	10S	22E	Uintah	4/7/98	4/7/98
WELL 1 COMMENTS: (A - CIGE) <i>Entities added 4-17-98. (Natural buttes unit / Wsmurd P.A.)</i>											
B		02900	43-047-33006	CIGE #229-1-10-20	NWSW	1	10S	20E	Uintah	4/10/98	4/10/98
WELL 2 COMMENTS: (A - CIGE)											
B		02900	43-047-32880	NBU #305	SWSE	27	9S	21E	Uintah	4/9/98	4/9/98
WELL 3 COMMENTS: (Coastal)											
B		02900	43-047-32882	NBU #310	NENW	35	9S	21E	Uintah	4/8/98	4/8/98
WELL 4 COMMENTS: (Coastal)											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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



*Sheila Bremer*  
Signature Sheila Bremer  
Environmental/Safety Analyst 4/15/98  
Title Date  
Phone No. (303) 573-4476

STATE OF UTAH  
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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL  GAS  OTHER:

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

3. Address and Telephone Number.  
**P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455**

4. Location of Well  
Footages: **482' FNL & 1510' FWL**  
QQ, Sec., T., R., M.: **NENW Section 35-T9S-R21E**

5. Lease Designation and Serial Number  
**U-01194-ST**

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

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

8. Well Name and Number:  
**NBU 310**

9. API Well Number:  
**43-047-32882**

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

County: **Uintah**  
State: **Utah**

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <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"/> Abandon*                            | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                       | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                     | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize           | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Spud Notice</u> |   |

Date of work completion 4/8/98

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

\* Must be accompanied by a cement verification report.

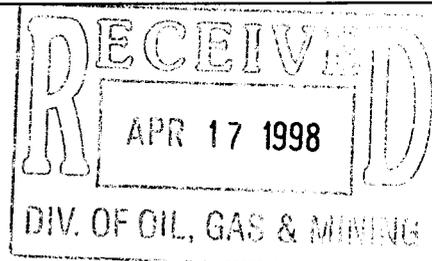
**12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS** (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

4/8/98: MIRU Bill Martin Drlg. Spud at 13:00 on 4/8/98. Drilled 256' of 11" hole. Ran 6 jts 8-5/8" 24# J-55 csg w/Howco shoe, total 251.50'. Cmt w/Halliburton. Pmpd 20 bbls gel water ahead of 100 sx P-AG w/2% CaCl2 and 1/4 lb/sx Flocele, wt 15.6, yld 1.18. Dropped plug and displ w/13.4 bbls water, +/- 4 bbls cmt to surface. Hole full.

Notified Ed Forsman w/BLM.

13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst Date 4/15/98

(This space for State use only)



STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number  
**U-01194-ST**

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

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

8. Well Name and Number:  
**NBU 310**

9. API Well Number:  
**43-047-32882**

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

**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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL  GAS  OTHER:

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

3. Address and Telephone Number.  
**P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455**

4. Location of Well  
Footages: **482' FNL & 1510' FWL** County: **Uintah**  
QQ,Sec., T., R., M.: **NENW Section 35-T9S-R21E** State: **Utah**

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

**NOTICE OF INTENT  
(Submit in Duplicate)**

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

**SUBSEQUENT REPORT  
(Submit Original Form Only)**

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon*                                    | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                               | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                             | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                        | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                   | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Drilling Operations</u> |   |

Date of work completion 4/23/98

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

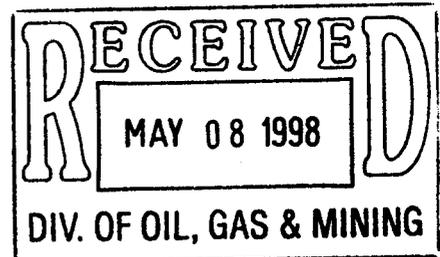
\* Must be accompanied by a cement verification report.

12. 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.)

Please see the attached chronological well history for work performed on the subject well.

13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst Date 4/15/98

(This space for State use only)



**PERC****WELL CHRONOLOGY REPORT**

<b>WELL NAME : NBU #310</b>		DISTRICT : <u>DRLG</u>
FIELD : <u>NATURAL BUTTES</u>		LOCATION :
COUNTY & STATE : <u>UINTAH</u>	<u>UT</u>	CONTRACTOR : <u>COASTALDRIL</u>
WI% : <u>AFE# : 27833</u>	<u>API# : 43-047-32882</u>	PLAN DEPTH : <u>SPUD DATE : 4/8/98</u>
DHC : <u>CWC :</u>	<u>AFE TOTAL :</u>	FORMATION :

REPORT DATE : 4/10/98 MD : 256 TVD : 0 DAYS : 0 MW : VISC :  
 DAILY : DC : \$33,999 CC : \$0 TC : \$33,999 CUM : DC : \$33,999 CC : \$0 TC : \$33,999

DAILY DETAILS : 4/8/98 MIRU BILL MARTIN DRLG AND DRILLED 256' 11" HOLE RAN 6 JT 8 5/8 24# J-55 CSG, TOTAL 251.5'. CMT WITH HALLIBURTON PUMPED 20 BBLs GEL WATER AHEAD OF 100 SK PAG WITH 2% CACL2 AND 1/4 #SK FLOCELE WT 15.6 YIELD 1.18 DROP PLUG AND DISPLACED WITH 13.4 BBLs WATER +/- 4 BBLs CMT TO SURF HOLE STAYED FULL NOTIFIED ED FORSMAN BLM SPUD AT 1300 4/8/98

REPORT DATE : 4/14/98 MD : 256 TVD : 0 DAYS : VISC :  
 DAILY : DC : \$16,462 CC : \$0 TC : \$16,462 CUM : DC : \$50,460 CC : \$0 TC : \$50,460

DAILY DETAILS : MIRU RT'S NU BOPS TEST VALVES MANIFOLD AND BOPS TO 3000 PSI TEST SURFACE CSG AND SPHERICAL TO 1500 PSI PU BHA NOTIFY STATE OF UTAH ROOSEVELT OFFICE OF RIG MOVE AND TEST JOB NOT WITNESSED

REPORT DATE : 4/15/98 MD : 1,635 TVD : 0 DAYS : VISC :  
 DAILY : DC : \$10,819 CC : \$0 TC : \$10,819 CUM : DC : \$61,279 CC : \$0 TC : \$61,279

DAILY DETAILS : PU BHA DRL CMT AND SHOE 196-264' DRLG TO 828' RIG MAINTENANCE SURVEY AT 780' DRLG TO 1321' SURVEY AT 1280' DRLG TO 1635'

REPORT DATE : 4/16/98 MD : 2,910 TVD : 0 DAYS : VISC :  
 DAILY : DC : \$10,819 CC : \$0 TC : \$10,819 CUM : DC : \$72,097 CC : \$0 TC : \$72,097

DAILY DETAILS : DRLG TO 1822' RIG MAINTENANCE SURVEY AT 1775' DRLG 1822-2160' UNLOAD HOLE DRLG 2160-2345' SURVEY AT 2300' DRLG 2345-2839' SURVEY AT 2795' DRLG 2839-2910' H2O AT 2160'

REPORT DATE : 4/17/98 MD : 4,020 TVD : 0 DAYS : VISC :  
 DAILY : DC : \$35,272 CC : \$0 TC : \$35,272 CUM : DC : \$107,369 CC : \$0 TC : \$107,369

DAILY DETAILS : DRLG 2910-3363' RIG MAINTENANCE SURVEY AT 3315' DRLG 3363-8855' SURVEY AT 3810' DRLG 3855-4020'

REPORT DATE : 4/18/98 MD : 5,096 TVD : 0 DAYS : VISC :  
 DAILY : DC : \$12,491 CC : \$0 TC : \$12,491 CUM : DC : \$119,859 CC : \$0 TC : \$119,859

DAILY DETAILS : DRLG 4020-4387' RIG MAINTENANCE SURVEYS DRLG 4387-4848' SURVEY AT 4803' DRLG 4848-5096'

REPORT DATE : 4/19/98 MD : 5,921 TVD : 0 DAYS : 5 MW : VISC :  
 DAILY : DC : \$13,823 CC : \$0 TC : \$13,823 CUM : DC : \$133,682 CC : \$0 TC : \$133,682

DAILY DETAILS : DRLG 5096-5342' RIG MAINTENANCE SURVEY AT 5297' DRLG 5342-5841' SURVEY AT 5797' DRLG 5841-5921' CIRC AND KILL KICK CHECK FOR TWIST OFF AND FOUND WT INDICATOR WENT BAD. RESUME DRILLING

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 4/20/98 MD : 6,378 TVD : 0 DAYS : 6 MW : VISC :  
 DAILY : DC : \$14,410 CC : \$0 TC : \$14,410 CUM : DC : \$148,092 CC : \$0 TC : \$148,092  
 DAILY DETAILS : DRLG 5921-6029' REPAIR KELLY BASE DRLG 6027-6121' RIG MAINTENANCE DRLG 6121-6278' REPLACE KELLY HOSE DRLG 6278-6378' NO BREAKS

REPORT DATE : 4/21/98 MD : 6,488 TVD : 0 DAYS : 7 MW : VISC :  
 DAILY : DC : \$22,630 CC : \$0 TC : \$22,630 CUM : DC : \$170,722 CC : \$0 TC : \$170,722  
 DAILY DETAILS : DRLG 6378-6440' CIRC OUT GAS TRIP OUT LOST 1 CONE SLM NO CORRECTION TRIP IN WITH MAGNET FILL PIPE WASH AND REAM 6340-6440' WORK MAGNET CHAIN OUT RECOVER CONE TRIP IN WITH BIT WASH AND REAM 94' TO BOTTOM DRLG 6440-6488' NO BREAKS

REPORT DATE : 4/22/98 MD : 6,700 TVD : 0 DAYS : 8 MW : VISC :  
 DAILY : DC : \$13,135 CC : \$0 TC : \$13,135 CUM : DC : \$183,857 CC : \$0 TC : \$183,857  
 DAILY DETAILS : DRLG 6488-6621 RIG MAINTENANCE DRLG 6621-6700' CIRCULATE & CONDITION HOLE SPOT HI VIS BRINE TRIP OUT RIG UP SCHLUMBERGER LOGGER DEPTH 6632 LOGGING

REPORT DATE : 4/23/98 MD : 6,700 TVD : 0 DAYS : 9 MW : VISC :  
 DAILY : DC : \$0 CC : \$74,573 TC : \$74,573 CUM : DC : \$183,857 CC : \$74,573 TC : \$258,430  
 DAILY DETAILS : LOGGING RIG DOWN SAME LAY DOWN DP BREAK KELLY AND BHA RIG UP TO RUN CSG KILL WELL RUN 156 JTS 4.5 11.6# N-80 CSG WASH 2 JTS TO BOTT CIRC AND COND RIG UP DOWELL HELD SAFETY MEETING TEST LINES 4000 PSI PUMP 10 BBL 40# GEL 80 BBL H2O SPACER 295 SKS 12 PPG LEAD FOLLOWED BY 1018 SK 14.5 50:50 POZ DROP PLUG DISP WITH 102.5 BBL H2O BUMP PLUG 500 OVER. PLUG HELD NIPPLE DOWN BOP SET SLIPS CUT OFF CLEAN MUD TANKS

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number  
**U-01194-ST**

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

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

8. Well Name and Number:  
**NBU 310**

9. API Well Number:  
**43-047-32882**

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

**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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL  GAS  OTHER:

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

3. Address and Telephone Number.  
**P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455**

4. Location of Well  
Footages: **482' FNL & 1510' FWL** County: **Uintah**  
QQ,Sec., T., R., M.: **NENW Section 35-T9S-R21E** State: **Utah**

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recomplete
- Perforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

**SUBSEQUENT REPORT**  
(Submit Original Form Only)

- Abandon\*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other First Production
- New Construction
- Pull or Alter Casing
- Perforate
- Vent or Flare
- Water Shut-Off

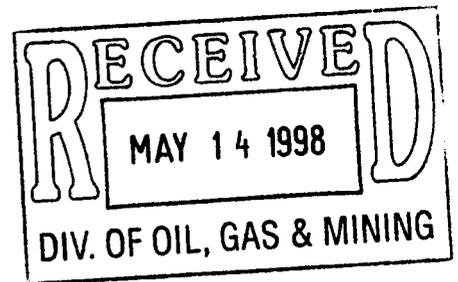
Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

12. 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.)

First production for this well occurred on 5/4/98.



13. Name & Signature Sheila Bremer Title Environmental & Safety Analyst Date 5/12/98

(This space for State use only)

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number

U-01194-ST

6. Indian, Allottee or Tribe Name:

N/A

7. Unit Agreement Name:

Natural Buttes Unit

8. Well Name and Number:

NBU 310

9. API Well Number:

43-047-32882

10. Field and Pool, or Wildcat

Natural Buttes Field

**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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator

Coastal Oil & Gas Corporation

3. Address and Telephone Number.

P.O. Box 749, Denver, CO 80201-0749

(303) 573-4455

4. Location of Well

Footages: 482' FNL & 1510' FWL

County: Uintah

QQ, Sec., T., R., M.: NENW Section 35-T9S-R21E

State: Utah

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <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"/> Abandon*                                      | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                                 | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                               | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                          | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                     | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Completion Operations</u> |   |

Date of work completion 5/13/98

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

\* Must be accompanied by a cement verification report.

12. 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.)

Please see the attached chronological well history for work performed on the subject well.

13.

Name & Signature

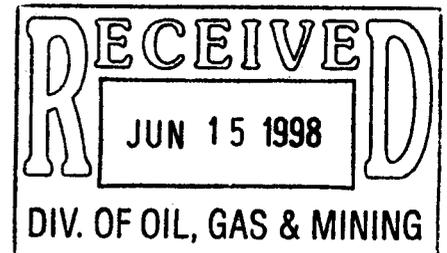
*Sheila Bremer*

Sheila Bremer

Title Environmental & Safety Analyst

Date 6/12/98

(This space for State use only)



**PERC****WELL CHRONOLOGY REPORT****WELL NAME : NBU #310**FIELD : NATURAL BUTTESCOUNTY & STATE : UINTAHWI% : AFE# : 27833

DHC : CWC :

AFE TOTAL :

DISTRICT : DRLG

LOCATION :

CONTRACTOR : COASTALDRIL

PLAN DEPTH :

FORMATION :

API# : 43-047-32882UTSPUD DATE : 4/8/98REPORT DATE : 5/1/98MD : 6,648TVD : 0DAYS : 11

MW :

VISC :

DAILY : DC : \$0CC : \$6,700TC : \$6,700CUM : DC : \$183,857CC : \$81,273TC : \$265,130

DAILY DETAILS : ROAD RIG F/NBU #50 N2 TO NBU #310. MIRU. ND WH, NU BOPS. PU 3 7/8" MILL & 4 1/2" CSG SCRAPER. TALLEY & PU. RIH W/2 3/8" TBG. TAG FILL @ 6613'. RU SWIVEL, PMP & LINES. DRLG F/6613-6618' MILL TORQUEING LIKE ON FLOAT COLLAR. CIRC HOLE W/150 BBL 3% KCL. RD. SWIVEL & POOH W/2 3/8 TBG. EOT @ 3840'. SWIFN. BBLS FLUID PMPD DAILY 150, BBLS FLUID REC DAILY 145, BBLS LEFT TO REC DAILY 5

REPORT DATE : 5/2/98MD : 6,648TVD : 0DAYS : 11

MW :

VISC :

DAILY : DC : \$0CC : \$71,583TC : \$71,583CUM : DC : \$183,857CC : \$152,856TC : \$336,713

DAILY DETAILS : PULL ON OUT. 1 JT OFF. PBDT WAS CORR 6648'. RU SCHL. RIH WLPB 6646'. RUN CR/CCL/CBL 6646' UP TO 4000' THEN PULL UP & LOG 2306' TO 2020' W/CMT TOP @ 2270'. TEST CSG TO 5000 PSI OK. PMP 20 BBLS DWN 8 5/8 - 4 1/2 ANN @ 3 1/2 BPM. NO PRESS. PU 3 1/8 PERF GUN. RIH CORR CNL/LTD & PERF WASATCH @ 5468', 5773', 5853', 5864', 5867', 6044', 6049', 6053', 6305', 6472', 1 SPF & 6565' 3 SPF, 13 TOTAL HOLES. POOH. RIH W/84 STD. EOT 5426'. SIFN. NOTE: NO PRESS AFTER PERF. HOLE STILL FULL.  
NOTE: CONSTRUCTION COSTS OF \$71,270 ADDED IN THIS DAY.

REPORT DATE : 5/3/98MD : 6,648TVD : 0DAYS : 12

MW :

VISC :

DAILY : DC : \$0CC : \$29,180TC : \$29,180CUM : DC : \$183,857CC : \$182,036TC : \$365,893

DAILY DETAILS : NO PRESS. NO WELL. RIH TO 6564'. SPOT 750 GAL 15% HCL W/ADD ACROSS PERFS. DISPLACED W/20 BBLS 3% KCL & LD 37JTS LAND @ 5384' W/NC 1 JT PSN, 165 JTS 2 3/8 J55 TBG & BLAST JT. ND BOP. NU WH. HELD SAFETY MEETING. TST LINES TO 6000 PSI. PMP 2.6 BBLS BROKE @ 1502 PSI. BREAK DWN PERFS W/750 MORE 15% W/16 1.3 S.G. BALL SEALERS. BALLED OUT AFTER 41 BBLS @ 5700 PSI. SHUT DWN. SURGE BALLS. CHECK INJ RATE WHILE FIN FLUSH 5 BPM @ 3300 PSI. ISIP 1612. DETERMINED ALL PERFS OPENED. MAX RATE 6 BPM W/AVG PRESS 3300 PSI, AVG 5.5 BPM. RD DOWELL. OPEN TBG TO TANK. FLOWED 20 BBLS. RU SWB IFL SURF. MADE 13 RUNS. REC 88 BBLS. FFL 2300', NO PRESS. LEFT OPEN TO TANK ON 20 CHOKE. RDMO. BBLS FLUID PMPD DAILY 99, BBLS LEFT TO REC 99 CUM 104.

REPORT DATE : 5/4/98MD : 6,648TVD : 0DAYS : 13

MW :

VISC :

DAILY : DC : \$0CC : \$0TC : \$0CUM : DC : \$183,857CC : \$182,036TC : \$365,893

DAILY DETAILS : FLOW BACK REPORT  
TIME.....CP....TP....CH...WTR....SD  
12:30PM....150....100....20....20....0  
6:00AM.....500....100....20..122....0  
GAS RATE 200 MCF/D, TOTAL WATER 122 BBLS, TOTAL LTR 23 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 5/5/98 MD : 6,648 TVD : 0 DAYS : 14 MW : VISC :  
 DAILY : DC : \$0 CC : \$58,598 TC : \$58,598 CUM : DC : \$183,857 CC : \$240,634 TC : \$424,491

DAILY DETAILS : MIRU DOWELL FRAC EQ. HOLD SAFETY MEETING. PT LINES TO 6000 PSI FRAC WASATCH  
 PERFS 5468-6565' W/46,000 GAL YF-120LGM + 120,180# 20/40 SD RAMPED 2-6 PPG + 20,780#  
 20/40 RESIN COATED SD @ 6 PPG. AVG INJ RATE 27 BPM @ 4850 PSI. MAX PRESS 5071 PSI.  
 ISIP 1339 PSI, 5 IN 1314 PSI, 10 MIN 1342 PSI, 15 MIN 1332 PSI. RD DOWELL. START FLOW BACK  
 ON 14/64" CHOKE. BBLs FLUID PMPD DAILY 1096, BBLs LEFT TO REC DAILY 1096, CUM 1200

## FLOW BACK REPORT

TIME...CP...TP...CH...WTR...SD

10A.1350.1150.14.....OPEN TO TANK

11A.1250.850.16...55...H

12A..600.450.20...28...M

1PM..350.200.20...44...L

2PM...0...100.20...22...L

3PM...0...50...20...22...L

4PM...0...50...28...22...L

5PM...0...50...32...11...T

6PM...0...25...32...3...T

7PM...0...10...32...2...T

8PM...0...10...32...1...NS

9PM...0...10...32...1...NS

10PM..0...5...32...1/2...NS

11PM..0...0...32...DEAD

12PM..0...0...32...-...-

1AM...0...0...32...-...-

2AM...0...0...32...-...-

3AM...0...0...32...-...-

4AM...0...0...32...-...-

5AM...0...0...32...-...-

6AM...0...0...32...-...-

GAS RATE -, TOTAL WTR 211 BBLs., TOTAL LTR 989 BBLs.

REPORT DATE : 5/6/98 MD : 6,648 TVD : 0 DAYS : 15 MW : VISC :  
 DAILY : DC : \$0 CC : \$1,305 TC : \$1,305 CUM : DC : \$183,857 CC : \$241,939 TC : \$425,796

DAILY DETAILS : ICP 0 PSI. ITP 0 PSI. MIRU DELSCO SWB UNIT. RU. SWB. RAN SWB FOUND FLUID LEVEL @  
 SURF. MADE 19 RUNS. WELL STARTED TO FLOW. REC 77 BBLs. FFL @ 500'. FCP 350 PSI, FTP  
 20 PSI. RD DELSCO. FLOW BACK CREW TOOK WELL OVER. BBLs FLUID RFEC DAILY 77, BBLs  
 LEFT TO REC - 77, CUM 1123

## FLOW BACK REPORT

TIME...CP...TP...CH...WTR...SD

2:00...350...25...OPEN.....ON

3:00...300...50...32...71...-

5:00...850...400...32...17...L

6:00...850...400...32...22...L

7:00...1100...450...32...17...L

8:00...1050...425...20...11...L

9:00...1150...650...20...8...CLEAN

10:00...1200...675...20...4...CLEAN

11:00...1200...675...20...4...C

12:00...1200...675...20...5...C

1:00...1200...675...20...4...C

2:00...1200...675...20...5...C

3:00...1200...675...20...4...C

4:00...1200...675...20...5...C

5:00...1200...675...20...4...C

6:00...1200...675...20...5...C

GAS RATE 800 MCF/D, TOTAL WTR 186 BBLs, TOTAL LTR 937 BBLs.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 5/7/98 MD : 6,648 TVD : 0 DAYS : 16 MW : VISC :  
 DAILY : DC : \$0 CC : \$2,116 TC : \$2,116 CUM : DC : \$183,857 CC : \$244,055 TC : \$427,912

DAILY DETAILS : MIRU RIG & EQUIP. LEAVE WELL FLWG TO FLOW BACK TANK. SDFD.

## FLOW BACK REPORT

TIME...CP...TP...CH...WTR...SD

4:00...1500...700...32...28...T

5:00...1400...450...32...5...T

6:00...1300...400...OPEN...11...T

7:00...1200...125...OPEN...6...L

8:00...1150...100...OPEN...3...L

9:00...1100...100...OPEN...2...L

10:00...1100...100...OPEN...2...LT

11:00...1100...100...OPEN...2...L

12:00...1100...100...OPEN...2...L

1:00...1100...100...OPEN...2...T

2:00...1050...100...OPEN...2...T

3:00...1050...100...OPEN...2...T...OPENED CSG

4:00...850...50...OPEN...2...LT

5:00...650...50...OPEN...2...M...CLOSED CSG

6:00...1000...350...32...8...M

GAS RATE 1.1 MCF/D, TOTAL WTR 79 BBLS, TOTAL LTR -79 BBLS.

REPORT DATE : 5/8/98 MD : 6,648 TVD : 0 DAYS : 17 MW : VISC :  
 DAILY : DC : \$0 CC : \$11,376 TC : \$11,376 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : SICP 1000#, FPT 400#. BLOW DWN. PMPD 30 BBLS 3% KCL DWN CSG. 20 BBLS 3% KCL DWN TBG. ND WH. NU BOP. LD BLAST SUB. PU & RIH W/2 3/8" TBG. TAG SAND @ 6310', 338' TO C/O. RU PWR SWVL & AIR FOAM UNIT. BRK CIRC. C/O TO 6648' PBT. CIRC CLEAN. PMPD 20 BBLS 3% KCL. RD PWR SWVL & AIR FOAM UNIT. POOH W/3 JTS 2 3/8" TBG W/EOT @ 6566', SN @ 6532'. 203 JTS J55 TBG TTL, ND BOP. NU WH. SICP 750#, TBG FLWG. RDMO. LEFT W/FLOW BACK CREW. SDFN. BBLS FLUID PMPD DAILY 125, BBLS FLUID REC 165, BBLS LEFT TO REC DAILY - 40, CUM 755

## FLOW BACK REPORT

TIME...CP...TP...CH...WTR...SD

5PM...700...100...-...-...T...OPEN TO TANK

6:00...550...400...20...2...T

7:00...675...600...20...2...T

8:00...700...600...20...2...T

9:00...700...600...20...1...T

10:00...725...600...20...1...T

11:00...725...600...20...1...T

12:00...750...600...20...1...T

1:00...750...600...20...1...T

2:00...750...600...20...1...T

3:00...750...600...20...1...T

4:00...750...600...20...1...T

5:00...750...600...20...1...T

6:00...750...600...20...1...T

GAS RATE 875 MCF/D, TOTAL WTR 200 BBLS, TOTAL LTR 555 BBLS.

REPORT DATE : 5/9/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : FLWG 744 MCF, 3 BW, FTP 925#, CP 925#, 20/64" CK, 21 HRS. WORK ON SFC EQUIP.

REPORT DATE : 5/10/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : FLWG 1159 MCF, 24 BW, FTP 275#, CP 675#, 25/64" CK, 24 HRS. LLTR 558 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 5/11/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288  
 DAILY DETAILS : FLWG 1059 MCF, 23 BW, FTP 285#, CP 750#, 25/64" CK, 24 HRS. LLTR 535 BBLS.

REPORT DATE : 5/12/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288  
 DAILY DETAILS : FLWG 1070 MCF, 20 BW, FTP 551#, CP 676#, 25/64" CK, 24 HRS. LLTR 510 BBLS.

REPORT DATE : 5/13/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288  
 DAILY DETAILS : FLWG 1047 MCFPD, 5 BC, 7 BW, FTP 526#, CP 640#, 25/64" CK, LLTR 503 BBLS, FLWG 1047  
 MCFPD, 5 BC, 7 BW, FTP 526#, CP 640#, 25/64" CK, 24 HRS, LLTR 503 BBLS. IP DATE: 5/10/98 -  
 FLWG 1159 MCF, 24 BW, FTP 275#, CP 675#, 25/64" CK, 24 HRS. -- FINAL REPORT --

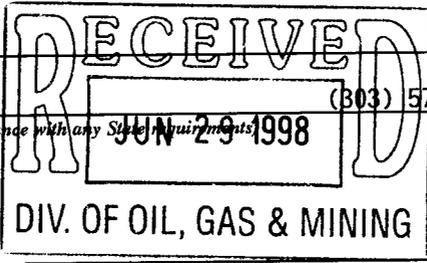
STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-01194-St  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
N/A  
 7. UNIT AGREEMENT NAME  
Natural Buttes Unit  
 8. FARM OR LEASE NAME  
NBU

2. NAME OF OPERATOR  
Coastal Oil & Gas Corporation  
 3. ADDRESS OF OPERATOR  
P.O. Box 749, Denver, CO 80201-0749  
 4. LOCATION OF WELL (Report location clearly and in accordance with any State Requirements)  
 At surface: 482' FNL & 1510' FWL  
 At top prod. interval reported below: Same as above  
 At total depth: Same as above  
 14. API NO. 43-047-32882  
 DATE ISSUED 5/7/97



9. WELL NO. 310  
 10. FIELD AND POOL, OR WILDCAT  
Natural Buttes Field  
 11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
NENW Section 35, T9S-R21E  
 12. COUNTY Uintah  
 13. STATE Utah

15. DATE SPUDDED 4/8/8  
 16. DATE T.D. REACHED 4/22/98  
 17. DATE COMPL. (Ready to prod. or Plug & Abd.) 5/8/98  
 18. ELEVATIONS (DF, RKB, RT, GR, ETC.) 4990' GR  
 19. ELEV. CASINGHEAD  
 20. TOTAL DEPTH, MD & TVD 6700'  
 21. PLUG, BACK T.D., MD & TVD 6648'  
 22. IF MULTIPLE COMPL., HOW MANY  
 23. INTERVALS DRILLED BY → ROTARY TOOLS YES CABLE TOOLS  
 24. PRODUCING INTERVAL(S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)  
5468' - 6565' Wasatch  
 25. WAS DIRECTIONAL SURVEY MADE  
Single Shot

26. TYPE ELECTRIC AND OTHER LOGS RUN 4-27-98  
 HALS/LDT/CNL/GR/CAL, GR/CCL/CBL QUICKLOOK ANSWER PRODUCT GR  
 27. Was Well Cored YES  NO  (Submit analysis)  
 Drill System Test YES  NO  (See reverse side)

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8" J-55	24#	256'	11"	See Chrono 4/10/98	4 bbls
4 1/2" N-80	11.6#	6700'	7 7/8"	See Chrono 4/23/98	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8"	6566'	

31. PERFORATION RECORD (Interval, size and number)  
 3 1/8" Gun (1 SPF) 5468', 5773', 5853', 5864', 5867', 6044', 6049', 6053', 6305', 6472'  
 (3 SPF) 6565 - total 13 holes

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5468' - 6565'	See Chrono 5/2/98, 5/3/98, 5/5/98

33. PRODUCTION

DATE FIRST PRODUCTION 5/6/98  
 PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) Flowing  
 WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS - OIL RATIO
5/10/98	24	25/64	→		1159	24	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)
275#	675#	→				

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

35. LIST OF ATTACHMENTS  
Chronological History

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
 SIGNED Bonnie Carson TITLE Senior Environmental Analyst DATE 6/25/98

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 attachment. 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 for 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:		38. GEOLOGIC MARKERS									
Formation	Top	Bottom	Description, contents, etc.								
			<p>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).</p>								
			<p>38. GEOLOGIC MARKERS</p>								
			<table border="1"> <thead> <tr> <th>Name</th> <th>Meas. Depth</th> <th>Top</th> <th>True Vert. Depth</th> </tr> </thead> <tbody> <tr> <td>Wasatch</td> <td>4718'</td> <td></td> <td></td> </tr> </tbody> </table>	Name	Meas. Depth	Top	True Vert. Depth	Wasatch	4718'		
Name	Meas. Depth	Top	True Vert. Depth								
Wasatch	4718'										

**PERC****WELL CHRONOLOGY REPORT****WELL NAME : NBU #310**FIELD : NATURAL BUTTESCOUNTY & STATE : UINTAHWI% : AFE# : 27833

DHC : CWC :

AFE TOTAL :

DISTRICT : DRLG

LOCATION :

CONTRACTOR : COASTALDRIL

PLAN DEPTH :

SPUD DATE : 4/8/98

FORMATION :

REPORT DATE : 4/10/98 MD : 256 TVD : 0 DAYS : 0 MW : VISC :  
 DAILY : DC : \$33,999 CC : \$0 TC : \$33,999 CUM : DC : \$33,999 CC : \$0 TC : \$33,999

DAILY DETAILS : 4/8/98 MIRU BILL MARTIN DRLG AND DRILLED 256' 11" HOLE RAN 6 JT 8 5/8 24# J-55 CSG,  
 TOTAL 251.5'. CMT WITH HALLIBURTON PUMPED 20 BBLs GEL WATER AHEAD OF 100 SK PAG  
 WITH 2% CACL2 AND 1/4 #SK FLOCAL WT 15.6 YIELD 1.18 DROP PLUG AND DISPLACED WITH 13.  
 4 BBLs WATER +/- 4 BBLs CMT TO SURF HOLE STAYED FULL NOTIFIED ED FORSMAN BLM  
 SPUD AT 1300 4/8/98

REPORT DATE : 4/14/98 MD : 256 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$16,462 CC : \$0 TC : \$16,462 CUM : DC : \$50,460 CC : \$0 TC : \$50,460

DAILY DETAILS : MIRU RT'S NU BOPS TEST VALVES MANIFOLD AND BOPS TO 3000 PSI TEST SURFACE CSG  
 AND BOP'S TO 1500 PSI PU BHA NOTIFY STATE OF UTAH ROOSEVELT OFFICE OF RIG MOVE  
 AND TEST JOB NOT WITNESSED

REPORT DATE : 4/15/98 MD : 1,635 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$10,819 CC : \$0 TC : \$10,819 CUM : DC : \$61,279 CC : \$0 TC : \$61,279

DAILY DETAILS : PU BHA DRL CMT AND SHOE 196-264 DRLG TO 828' RIG MAINTENANCE SURVEY AT 780  
 DRLG TO 1321' SURVEY AT 1280' DRLG TO 1635'

REPORT DATE : 4/16/98 MD : 2,910 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$10,819 CC : \$0 TC : \$10,819 CUM : DC : \$72,097 CC : \$0 TC : \$72,097

DAILY DETAILS : DRLG TO 1822' RIG MAINTENANCE SURVEY AT 1775' DRLG 1822-2160' UNLOAD HOLE  
 DRLG 2160-2345' SURVEY AT 2300' DRLG 2345-2839' SURVEY AT 2795' DRLG 2839-  
 2910' H2O AT 2160'

REPORT DATE : 4/17/98 MD : 4,020 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$35,272 CC : \$0 TC : \$35,272 CUM : DC : \$107,369 CC : \$0 TC : \$107,369

DAILY DETAILS : DRLG 2910-3363' RIG MAINTENANCE SURVEY AT 3315' DRLG 3363-8855' SURVEY AT  
 3810' DRLG 3855-4020'

REPORT DATE : 4/18/98 MD : 5,096 TVD : 0 DAYS : MW : VISC :  
 DAILY : DC : \$12,491 CC : \$0 TC : \$12,491 CUM : DC : \$119,859 CC : \$0 TC : \$119,859

DAILY DETAILS : DRLG 4020-4387' RIG MAINTENANCE SURVEYS DRLG 4387-4848' SURVEY AT 4803'  
 DRLG 4848-5096'

REPORT DATE : 4/19/98 MD : 5,921 TVD : 0 DAYS : 5 MW : VISC :  
 DAILY : DC : \$13,823 CC : \$0 TC : \$13,823 CUM : DC : \$133,682 CC : \$0 TC : \$133,682

DAILY DETAILS : DRLG 5096-5342' RIG MAINTENANCE SURVEY AT 5297' DRLG 5342-5841' SURVEY AT  
 5797' DRLG 5841-5921' CIRC AND KILL KICK  
 FOUND WT INDICATOR WENT BAD. RESUME DRILLING CHECK FOR TWIST OFF AND

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 4/20/98 MD : 6.378 TVD : 0 DAYS : 6 MW : VISC :  
 DAILY : DC : \$14,410 CC : \$0 TC : \$14,410 CUM : DC : \$148,092 CC : \$0 TC : \$148,092  
 DAILY DETAILS : DRLG 5921-6029' REPAIR KELLY BASE DRLG 6027-6121' RIG MAINTENANCE DRLG 6121-6278' REPLACE KELLY HOSE DRLG 6278-6378' NO BREAKS

REPORT DATE : 4/21/98 MD : 6.488 TVD : 0 DAYS : 7 MW : VISC :  
 DAILY : DC : \$22,630 CC : \$0 TC : \$22,630 CUM : DC : \$170,722 CC : \$0 TC : \$170,722  
 DAILY DETAILS : DRLG 6378-6440' CIRC OUT GAS TRIP OUT LOST 1 CONE SLM NO CORRECTION TRIP IN WITH MAGNET FILL PIPE WASH AND REAM 6340-6440' WORK MAGNET CHAIN OUT RECOVER CONE TRIP IN WITH BIT WASH AND REAM 94' TO BOTTOM DRLG 6440-6488' NO BREAKS

REPORT DATE : 4/22/98 MD : 6.700 TVD : 0 DAYS : 8 MW : VISC :  
 DAILY : DC : \$13,135 CC : \$0 TC : \$13,135 CUM : DC : \$183,857 CC : \$0 TC : \$183,857  
 DAILY DETAILS : DRLG 6488-6621 RIG MAINTENANCE DRLG 6621-6700' CIRCULATE & CONDITION HOLE SPOT HI VIS BRINE TRIP OUT RIG UP SCHLUMBERGER LOGGER DEPTH 6632 LOGGING

REPORT DATE : 4/23/98 MD : 6.700 TVD : 0 DAYS : 9 MW : VISC :  
 DAILY : DC : \$0 CC : \$74,573 TC : \$74,573 CUM : DC : \$183,857 CC : \$74,573 TC : \$258,430  
 DAILY DETAILS : LOGGING. RIG DOWN SAME LAY DOWN DP BREAK KELLY AND BHA RIG UP TO RUN CSG KILL WELL RUN 156 JTS 4.5 11.6# N-80 CSG WASH 2 JTS TO BOTT CIRC AND COND RIG UP DOWELL HELD SAFETY MEETING TEST LINES 4000 PSI PUMP 10 BBL 40# GEL 80 BBL H2O SPACER 295 SKS 12 PPG LEAD FOLLOWED BY 1018 SK 14.5 50:50 POZ DROP PLUG DISP WITH 102.5 BBL H2O BUMP PLUG 500 OVER. PLUG HELD NIPPLE DOWN BOP SET SLIPS CUT OFF CLEAN MUD TANKS. RLS RIG TO NBU 305.

REPORT DATE : 4/24/98 MD : 6.700 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$74,573 TC : \$258,430  
 DAILY DETAILS : 4/24/98 TO 4/30/98 WAITING ON COMPLETION.

REPORT DATE : 5/1/98 MD : 6.648 TVD : 0 DAYS : 11 MW : VISC :  
 DAILY : DC : \$0 CC : \$6,700 TC : \$6,700 CUM : DC : \$183,857 CC : \$81,273 TC : \$265,130  
 DAILY DETAILS : ROAD RIG F/NBU #50 N2 TO NBU #310. MIRU. ND WH, NU BOPS. PU 3 7/8" MILL & 4 1/2" CSG SCRAPER. TALLEY & PU. RIH W/2 3/8" TBG. TAG FILL @ 6613'. RU SWIVEL, PMP & LINES. DRLG F/6613-6618' MILL TORQUEING LIKE ON FLOAT COLLAR. CIRC HOLE W/150 BBL 3% KCL. RD. SWIVEL & POOH W/2 3/8 TBG. EOT @ 3840'. SWIFN. BBLS FLUID PMPD DAILY 150, BBLS FLUID REC DAILY 145, BBLS LEFT TO REC DAILY 5

REPORT DATE : 5/2/98 MD : 6.648 TVD : 0 DAYS : 11 MW : VISC :  
 DAILY : DC : \$0 CC : \$71,583 TC : \$71,583 CUM : DC : \$183,857 CC : \$152,856 TC : \$336,713  
 DAILY DETAILS : PULL ON OUT. 1 JT OFF. PBTD WAS CORR 6648'. RU SCHL. RIH WLPB 6646'. RUN CR/CCL/CBL 6646' UP TO 4000' THEN PULL UP & LOG 2306' TO 2020' W/CMT TOP @ 2270'. TEST CSG TO 5000 PSI OK. PMP 20 BBLS DWN 8 5/8 - 4 1/2 ANN @ 3 1/2 BPM. NO PRESS. PU 3 1/8 PERF GUN. RIH CORR CNL/LTD & PERF WASATCH @ 5468', 5773', 5853', 5864', 5867', 6044', 6049', 6053', 6305', 6472', 1 SPF & 6565' 3 SPF, 13 TOTAL HOLES. POOH. RIH W/84 STD. EOT 5426'. SIFN. NOTE: NO PRESS AFTER PERF. HOLE STILL FULL.  
 NOTE: CONSTRUCTION COSTS OF \$71,270 ADDED IN THIS DAY.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 5/3/98 MD : 6,648 TVD : 0 DAYS : 12 MW : VISC :  
 DAILY : DC : \$0 CC : \$29,180 TC : \$29,180 CUM : DC : \$183,857 CC : \$182,036 TC : \$365,893

DAILY DETAILS : NO PRESS. NO WELL. RIH TO 6564'. SPOT 750 GAL 15% HCL W/ADD ACROSS PERFS.  
 DISPLACED W/20 BBLS 3% KCL & LD 37JTS LAND @ 5384' W/NC 1 JT PSN, 165 JTS 2 3/8 J55 TBG  
 & BLAST JT. ND BOP. NU WH. HELD SAFETY MEETING. TST LINES TO 6000 PSI. PMP 2.6 BBLS  
 BROKE @ 1502 PSI. BREAK DWN PERFS W/750 MORE 15% W/16 1.3 S.G. BALL SEALERS. BALLED  
 OUT AFTER 41 BBLS @ 5700 PSI. SHUT DWN. SURGE BALLS. CHECK INJ RATE WHILE FIN  
 FLUSH 5 BPM @ 3300 PSI. ISIP 1612. DETERMINED ALL PERFS OPENED. MAX RATE 6 BPM  
 W/AVG PRESS 3300 PSI, AVG 5.5 BPM. RD DOWELL. OPEN TBG TO TANK. FLOWED 20 BBLS.  
 RU SWB IFL SURF. MADE 13 RUNS. REC 88 BBLS. FFL 2300', NO PRESS. LEFT OPEN TO TANK  
 ON 20 CHOKE. RDMO. BBLS FLUID PMPD DAILYB 99, BBLS LEFT TO REC 99 CUM 104.

REPORT DATE : 5/4/98 MD : 6,648 TVD : 0 DAYS : 13 MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$182,036 TC : \$365,893

DAILY DETAILS : FLOW BACK REPORT  
 TIME.....CP....TP....CH...WTR...SD  
 12:30PM....150....100....20....20....0  
 6:00AM.....500...100....20...122....0  
 GAS RATE 200 MCF/D, TOTAL WATER 122 BBLS, TOTAL LTR 23 BBLS.

REPORT DATE : 5/5/98 MD : 6,648 TVD : 0 DAYS : 14 MW : VISC :  
 DAILY : DC : \$0 CC : \$58,598 TC : \$58,598 CUM : DC : \$183,857 CC : \$240,634 TC : \$424,491

DAILY DETAILS : MIRU DOWELL FRAC EQ. HOLD SAFETY MEETING. PT LINES TO 6000 PSI FRAC WASATCH  
 PERFS 5468-6565' W/46,000 GAL YF-120LGM + 120,180# 20/40 SD RAMPED 2-6 PPG + 20,780#  
 20/40 RESIN COATED SD @ 6 PPG. AVG INJ RATE 27 BPM @ 4850 PSI. MAX PRESS 5071 PSI.  
 ISIP 1339 PSI, 5 IN 1314 PSI, 10 MIN 1342 PSI, 15 MIN 1332 PSI. RD DOWELL. START FLOW BACK  
 ON 14/64" CHOKE. BBLS FLUID PMPD DAILY 1096, BBLS LEFT TO REC DAILY 1096, CUM 1200  
 FLOW BACK REPORT  
 TIME....CP....TP....CH...WTR...SD  
 10A.1350.1150.14.....OPEN TO TANK  
 11A.1250.850.16....55....H  
 12A...600.450.20....28....M  
 1PM.350.200.20....44....L  
 2PM...0...100...20....22....L  
 3PM...0...50...20....22....L  
 4PM...0...50...28....22....L  
 5PM...0...50...32....11....T  
 6PM...0...25...32....3....T  
 7PM...0...10...32....2....T  
 8PM...0...10...32....1....NS  
 9PM...0...10...32....1....NS  
 10PM..0.....5...32....1/2...NS  
 11PM.0.....0...32.....DEAD  
 12PM.0.....0...32.....  
 1AM...0.....0...32.....  
 2AM...0.....0...32.....  
 3AM...0.....0...32.....  
 4AM...0.....0...32.....  
 5AM...0.....0...32.....  
 6AM...0.....0...32.....SI AT WELLBORE  
 GAS RATE -, TOTAL WTR 211 BBLS., TOTAL LTR 989 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 5/6/98 MD : 6,648 TVD : 0 DAYS : 15 MW : VISC :  
 DAILY : DC : \$0 CC : \$1,305 TC : \$1,305 CUM : DC : \$183,857 CC : \$241,939 TC : \$425,796

DAILY DETAILS : ICP 0 PSI. ITP 0 PSI. MIRU DELSCO SWB UNIT. RU. SWB. RAN SWB FOUND FLUID LEVEL @ SURF. MADE 19 RUNS. WELL STARTED TO FLOW. REC 77 BBLS. FFL @ 500'. FCP 350 PSI, FTP 20 PSI. RD DELSCO. FLOW BACK CREW TOOK WELL OVER. BBLS FLUID RFEC DAILY 77, BBLS LEFT TO REC - 77, CUM 1123

## FLOW BACK REPORT

TIME	CP	TP	CH	WTR	SD
2:00	350	25	OPEN		ON
3:00	300	50	32	71	
5:00	850	400	32	17	L
6:00	850	400	32	22	L
7:00	1100	450	32	17	L
8:00	1050	425	20	11	L
9:00	1150	650	20	8	CLEAN
10:00	1200	675	20	4	CLEAN
11:00	1200	675	20	4	C
12:00	1200	675	20	5	C
1:00	1200	675	20	4	C
2:00	1200	675	20	5	C
3:00	1200	675	20	4	C
4:00	1200	675	20	5	C
5:00	1200	675	20	4	C
6:00	1200	675	20	5	C

GAS RATE 800 MCF/D, TOTAL WTR 186 BBLS, TOTAL LTR 937 BBLS.

REPORT DATE : 5/7/98 MD : 6,648 TVD : 0 DAYS : 16 MW : VISC :  
 DAILY : DC : \$0 CC : \$2,116 TC : \$2,116 CUM : DC : \$183,857 CC : \$244,055 TC : \$427,912

DAILY DETAILS : MIRU RIG & EQUIP. LEAVE WELL FLWG TO FLOW BACK TANK. SDFD.

## FLOW BACK REPORT

TIME	CP	TP	CH	WTR	SD
4:00	1500	700	32	28	T
5:00	1400	450	32	5	T
6:00	1300	400	OPEN	11	T
7:00	1200	125	OPEN	6	L
8:00	1150	100	OPEN	3	L
9:00	1100	100	OPEN	2	L
10:00	1100	100	OPEN	2	LT
11:00	1100	100	OPEN	2	L
12:00	1100	100	OPEN	2	L
1:00	1100	100	OPEN	2	T
2:00	1050	100	OPEN	2	T
3:00	1050	100	OPEN	2	T
4:00	850	50	OPEN	2	L/T
5:00	650	50	OPEN	2	M
6:00	1000	350	32	8	M

GAS RATE 1.1 MCF/D, TOTAL WTR 79 BBLS, TOTAL LTR -79 BBLS.

**PERC****WELL CHRONOLOGY REPORT**

REPORT DATE : 5/8/98 MD : 6,648 TVD : 0 DAYS : 17 MW : VISC :  
 DAILY : DC : \$0 CC : \$11,376 TC : \$11,376 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : SICIP 1000#, FPT 400#. BLOW DWN. PMPD 30 BBLS 3% KCL DWN CSG. 20 BBLS 3% KCL DWN TBG. ND WH. NU BOP. LD BLAST SUB. PU & RIH W/2 3/8" TBG. TAG SAND @ 6310', 338' TO C/O. RU PWR SWVL & AIR FOAM UNIT. BRK CIRC. C/O TO 6648' PBT. CIRC CLEAN. PMPD 20 BBLS 3% KCL. RD PWR SWVL & AIR FOAM UNIT. POOH W/3 JTS 2 3/8" TBG W/EOT @ 6566', SN @ 6532'. 203 JTS J55 TBG TTL, ND BOP. NU WH. SICIP 750#, TBG FLWG. RDMO. LEFT W/FLOW BACK CREW. SDFN. BBLS FLUID PMPD DAILY 125, BBLS FLUID REC 165, BBLS LEFT TO REC DAILY - 40, CUM 755

## FLOW BACK REPORT

TIME...CP...TP...CH...WTR...SD

5PM...700...100...-----T...OPEN TO TANK

6:00...550...400...20...2...T

7:00...675...600...20...2...T

8:00...700...600...20...2...T

9:00...700...600...20...1...T

10:00...725...600...20...1...T

11:00...725...600...20...1...T

12:00...750...600...20...1...T

1:00...750...600...20...1...T

2:00...750...600...20...1...T

3:00...750...600...20...1...T

4:00...750...600...20...1...T

5:00...750...600...20...1...T

6:00...750...600...20...1...T

GAS RATE 875 MCF/D, TOTAL WTR 200 BBLS, TOTAL LTR 555 BBLS.

REPORT DATE : 5/9/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : FLWG 744 MCF, 3 BW, FTP 925#, CP 925#, 20/64" CK, 21 HRS. WORK ON SFC EQUIP.

REPORT DATE : 5/10/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : FLWG 1159 MCF, 24 BW, FTP 275#, CP 675#, 25/64" CK, 24 HRS. LLTR 558 BBLS.

REPORT DATE : 5/11/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : FLWG 1059 MCF, 23 BW, FTP 285#, CP 750#, 25/64" CK, 24 HRS. LLTR 535 BBLS.

REPORT DATE : 5/12/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : FLWG 1070 MCF, 20 BW, FTP 551#, CP 676#, 25/64" CK, 24 HRS. LLTR 510 BBLS.

REPORT DATE : 5/13/98 MD : 6,648 TVD : DAYS : MW : VISC :  
 DAILY : DC : \$0 CC : \$0 TC : \$0 CUM : DC : \$183,857 CC : \$255,431 TC : \$439,288

DAILY DETAILS : FLWG 1047 MCFPD, 5 BC, 7 BW, FTP 526#, CP 640#, 25/64" CK, LLTR 503 BBLS, FLWG 1047 MCFPD, 5 BC, 7 BW, FTP 526#, CP 640#, 25/64" CK, 24 HRS, LLTR 503 BBLS. IP DATE: 5/10/98 - FLWG 1159 MCF, 24 BW, FTP 275#, CP 675#, 25/64" CK, 24 HRS. -- FINAL REPORT --

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number  
**U-01194-ST**

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

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

8. Well Name and Number:  
**NBU 310**

9. API Well Number:  
**43-047-32882**

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

**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 TO DRILL OR DEEPEN form for such purposes

1. Type of Well: OIL  GAS  OTHER:

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

3. Address and Telephone Number.  
**P.O. Box 749, Denver, CO 80201-0749 (303) 573-4455**

4. Location of Well  
Footages: **482' FNL & 1510' FWL** County: **Uintah**  
QQ, Sec., T., R., M.: **NENW Section 35-T9S-R21E** State: **Utah**

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

**NOTICE OF INTENT**  
(Submit in Duplicate)

- |  |   |
|--|---|
| <input type="checkbox"/> Abandon                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing             | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans           | <input type="checkbox"/> Recomplete           |
| <input type="checkbox"/> Convert to Injection      | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Fracture Treat or Acidize | <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"/> Abandon*                                   | <input type="checkbox"/> New Construction     |
| <input type="checkbox"/> Repair Casing                              | <input type="checkbox"/> Pull or Alter Casing |
| <input type="checkbox"/> Change of Plans                            | <input type="checkbox"/> Perforate            |
| <input type="checkbox"/> Convert to Injection                       | <input type="checkbox"/> Vent or Flare        |
| <input type="checkbox"/> Fracture Treat or Acidize                  | <input type="checkbox"/> Water Shut-Off       |
| <input checked="" type="checkbox"/> Other <u>Site Security Plan</u> |   |

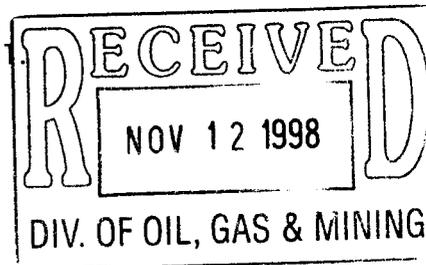
Date of work completion \_\_\_\_\_

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

\* Must be accompanied by a cement verification report.

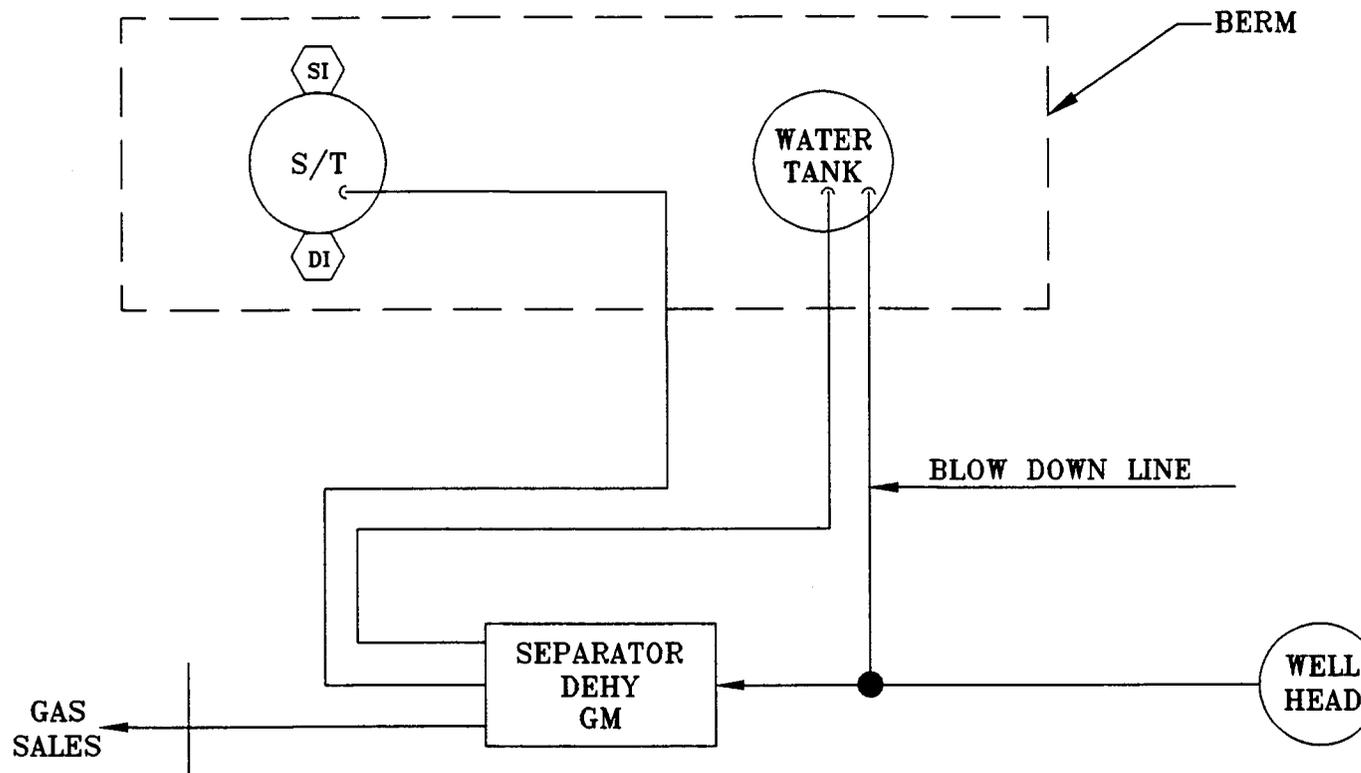
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Please see the attached updated site security diagram for the subject well.



13. Name & Signature *Sheila Bremer* Title Environmental & Safety Analyst Date 11/9/98

(This space for State use only)



**Coastal Oil & Gas Corporation**  
A SUBSIDIARY OF THE COASTAL CORPORATION  
The Energy People

NBU #310

NE NW SEC. 35 T9S-R21E

U-01194-ST

This lease is subject to the site security plan for the Natural Buttes Field for Coastal Oil & Gas. The plan is located at: Coastal Oil & Gas Corp. Vernal District Office 1176 East 1500 South Vernal, UT 84078

# NBU #310

## POSITION OF VALVES AND USE OF SEALS DURING PRODUCTION

VALVE	LINE PURPOSE	POSITION	SEAL INSTALLED
D1	Drain	Closed	Yes
S1	Sales	Closed	Yes

## POSITION OF VALVES AND USE OF SEALS DURING SALES

VALVE	LINE PURPOSE	POSITION	SEAL INSTALLED
D1	Drain	Closed	Yes
S1	Sales	Open	No

**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:  
8 South 1200 East CITY Vernal STATE Utah ZIP 84078  
PHONE NUMBER: 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

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.

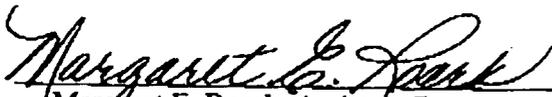
THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

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, 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, DUGM~~, 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	



5. If NO, the operator was contacted on: N/A
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: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communitization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in 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: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 07/18/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 07/18/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

---

**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: 400JU0705

---

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: N/A

---

**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
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
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: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: \_\_\_\_\_

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS: Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".**

---

---

---

---

---

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  
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.

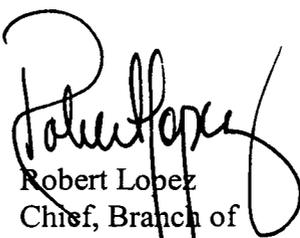
For our purposes, the name change is recognized effective December 31, 2001.

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)

**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  
chrono





# 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

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: \_\_\_\_\_

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL      OIL WELL       GAS WELL       OTHER \_\_\_\_\_

2. NAME OF OPERATOR:  
**El Paso Production Oil & Gas Company**

3. ADDRESS OF OPERATOR:      **9 Greenway Plaza**      CITY **Houston**      STATE **TX**      ZIP **77064-0995**      PHONE NUMBER: **(832) 676-5933**

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**

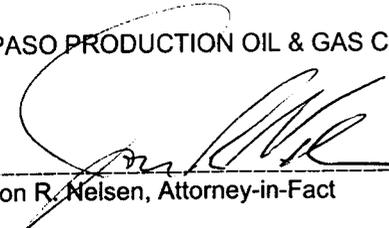
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> 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.

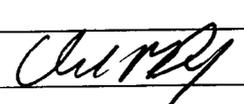
BOND # \_\_\_\_\_  
State Surety Bond No. RLB0005236  
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

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

**RECEIVED**  
**FEB 28 2003**  
DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.  
NAME (PLEASE PRINT) **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

**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) 781-7023

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

5. Lease Serial No.  
SEE ATTACHED EXHIBIT "A"

6. If Indian, Allottee or Tribe Name

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

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

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

10. Field and Pool, or Exploratory Area

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
			<b>SUCCESSOR OF OPERATOR</b>

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

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed)  
CHERYL CAMERON

Title  
OPERATIONS

Signature  
*Cheryl Cameron*

Date  
March 4, 2003

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)



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: 03/18/2003
- 2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/18/2003
- 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

**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

9S 21E 35

4304732882

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 recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

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.

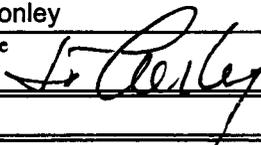
Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name (Printed/Typed)

J.T. Conley

Signature



COPY SENT TO OPERATOR

Date: 9-16-03

initials: JTC Date: 9-2-2003

Operations Manager

SEP 10 2003

DIV. OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Accepted by the  
Utah Division of  
Oil, Gas and Mining

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.

**Project Economics Worksheet**

**Instructions:** Fill in blue bc 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
PULPING 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
<b>Totals</b>	<b>\$0</b>	<b>\$350</b>	<b>\$350</b>

**Increased OPX Per Year**

**Investment Breakdown:**

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$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:**

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

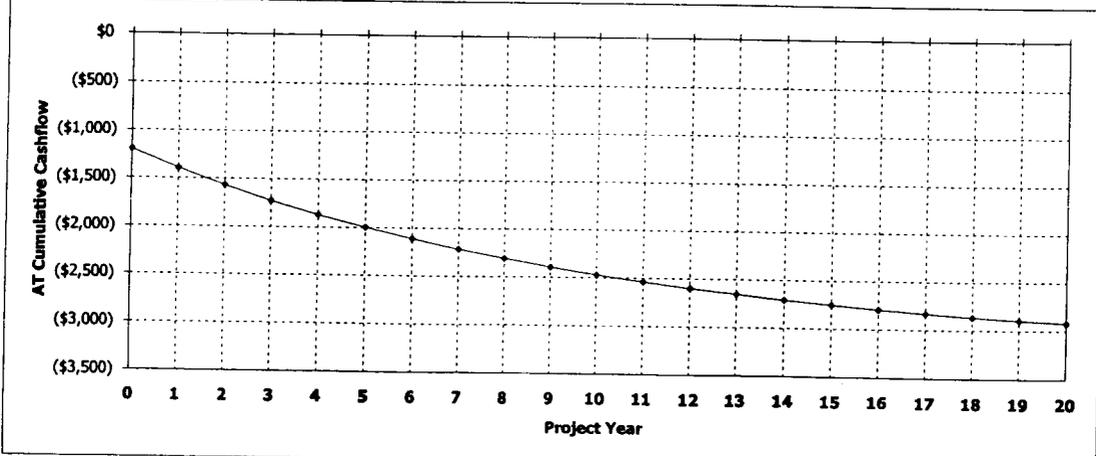
Payout =  Years or  Days

**Gross Reserves:**  
Oil Reserves = 6 BO  
Gas Reserves = 0 MCF  
Gas Equip Reserves = 38 MCFE

**Notes/Assumptions:**

**An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 6 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

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 245	8-10-22 SENE	UTU01196C	891008900A	430473300400S1
NBU 247	10-10-22 NWNW	U01196C	891008900A	430473297700S1
NBU 248	10-10-22 SENW	UTU025187	891008900A	430473407900S1
NBU 249	10-10-22 SESW	U01196C	891008900A	430473297800S1
NBU 252	10-9-21 NENW	U0141315	891008900A	430473280000S1
NBU 253	10-9-21 SWNW	U0141315	891008900A	430473291700S1
NBU 254	17-9-21 NESW	UTU0575	891008900A	430473280300S1
NBU 255	21-9-21 SESW	UTU0576	891008900A	430473280600S1
NBU 256	22-9-21 SENW	UTU0147566	891008900A	430473280700S1
NBU 257	25-9-21 SENW	U01194	891008900A	430473279000S1 ✓
NBU 258	26-9-21 SENE	U01194	891008900A	430473279100S1 ✓
NBU 259	26-9-21 SWNE	U01194	891008900A	430473279200S1 ✓
NBU 260	28-9-21 SENE	U05676	891008900A	430473300900S1
NBU 261	30-9-21 SENW	UTU0581	891008900A	430473292800S1 ✓
NBU 262	33-9-21 NENE	UTU0576	891008900A	430473292900S1
NBU 263	34-9-21 SENW	U01194	891008900A	430473279300S1 ✓
NBU 264	1-10-21 SESW	U02842B	891008900A	430473300000S1
NBU 265	2-10-21 NESE	ML13826	891008900A	430473279600S1 ✓
NBU 266	10-10-21 SWNW	UTU0149079	891008900A	430473294100S1
NBU 267	10-10-21 NESW	UTU01416A	891008900A	430473294200S1
NBU 268	11-10-21 NENE	U01190	891008900A	430473300100S1
NBU 269	12-10-21 SWNW	UTU1196D	891008900A	430473347300S1
NBU 270	13-10-21 SWNW	ML23608	891008900A	430473286200S1 ✓
NBU 271	24-10-20 SWNW	UTU4485	891008900A	430473288700S1
NBU 272	11-10-22 SWNE	U01197A	891008900A	430473288900S1 ✓
NBU 273	22-9-21 NWNW	UTU0147566	891008900A	430473290600S1
NBU 274	23-9-21 NESW	UTU149075	891008900A	430473297000S1
NBU 275	9-9-21 NWSW	UTU01188	891008900A	430473290500S1
NBU 277	19-9-22 SENE	UTU0284	891008900A	430473304200S1
NBU 278	30-9-22 SWSW	U463	891008900A	430473301100S1
NBU 280	31-9-22 NESW	ML22935A	891008900A	430473286500S1 ✓
NBU 281	32-9-22 SWSW	ML22649	891008900A	430473286600S1 ✓
NBU 282	32-9-22 NESE	ML22649	891008900A	430473286700S1
NBU 285	3-10-22 NWNW	UTU01191	891008900A	430473297600S1
NBU 286	3-10-22 SENW	UTU01191	891008900A	430473298400S1
NBU 287	3-10-22 NESE	UTU01191A	891008900A	430473298500S1
NBU 288	3-10-22 NWSW	UTU01191	891008900A	430473298600S1
NBU 289	3-10-22 SESW	UTU01191	891008900A	430473291000S1
NBU 290	3-10-22 SWSE	UTU01191A	891008900A	430473298700S1
NBU 291	9-10-22 NENE	UTU01196D	891008900A	430473291100S1
NBU 292	9-10-22 SWNE	UTU1196D	891008900A	430473347400S1
NBU 293	10-10-22 SENE	UTU025187	891008900A	430473318200S1
NBU 294X	22-9-20 NENW	UTU0577B	891008900A	430473346500S1
NBU 295	12-10-20 SWSW	UTU4478	891008900A	430473293900S1
NBU 296	24-10-20 NWNE	UTU4485	891008900A	430473288600S1
NBU 297	11-9-21 SWNW	UTU0141315	891008900A	430473304000S1
NBU 298	15-9-21 NESW	UTU01188	891008900A	430473304100S1
NBU 299	16-9-21 SWNE	ML3282	891008900A	430473301200S1
NBU 300	21-9-21 NWNW	UTU0576	891008900A	430473302300S1
NBU 301	25-9-21 NWSW	U01194	891008900A	430473285900S1 ✓
NBU 302	26-9-21 SWNW	U01194	891008900A	430473287700S1 ✓
NBU 303	26-9-21 SESE	ML22934	891008900A	430473287800S1 ✓
NBU 304	27-9-21 SESE	U01194A	891008900A	430473287900S1 ✓
NBU 305	27-9-21 SWSE	U01194A	891008900A	430473288000S1 ✓
NBU 306	27-9-21 NWNW	U01194A	891008900A	430473286000S1 ✓
NBU 307	28-9-21 NWNE	U05676	891008900A	430473300700S1
NBU 308	28-9-21 SENW	U05676	891008900A	430473314300S1
NBU 309	30-9-21 NENE	UTU0581	891008900A	430473301000S1
NBU 310	35-9-21 NENW	U01194	891008900A	430473288200S1 ✓
NBU 311	4-10-22 NESE	UTU01191	891008900A	430473283700S1
NBU 312-E2	2-9-21 SWSE	UTU21510	891008900A	430473228800S1 ✓
NBU 313	4-10-22 NENW	UTU01191A	891008900A	430473283800S1
NBU 315	11-9-21 SENE	UTU0141317	891008900A	430473387900S1
NBU 316	11-9-21 SWNE	UTU0141317	891008900A	430473441300S1
NBU 317	13-9-21 NENE	U-01193	891008900A	430473392100S1
NBU 318	13-9-21 SWNE	UTU01193	891008900A	430473388000S1
NBU 320	25-9-21 NWNW	U01189	891008900A	430473320100S1
NBU 321	26-9-21 SWSW	U01194	891008900A	430473320200S1 ✓
NBU 322	34-9-21 SESW	U01994	891008900A	430473320300S1 ✓
NBU 323	30-9-22 NENE	U-463	891008900A	430473405000S1
NBU 326	31-9-22 NENW	ML22934A	891008900A	430473280400S1 ✓
NBU 327	33-9-22 SWSE	UTU01191	891008900A	430473373500S1
NBU 329	1-10-21 NESW	UTU02842B	891008900A	430473322700S1
NBU 330	3-10-21 NENE	UTU0149078	891008900A	430473322800S1
NBU 331	3-10-21 NWNE	UTU0149078	891008900A	430473322900S1

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**

<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( 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 BUTES 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
- 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
- Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 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

**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

**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 <b>CHANGE OF OPERATOR</b>

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**  
DIV. OF OIL, GAS & MINING

**BLM BOND = C01203**  
**BIA BOND = RLB0005239**

**APPROVED 5116106**

*Earlene Russell*  
**Earlene Russell, Engineering Technician**

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

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

**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

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

**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

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 type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<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.

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

Signature

Title

ENGINEERING SPECIALIST

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

*Brad Laney*

Title

Office

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.

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.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 310
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047328820000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0482 FNL 1510 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 35 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 2/22/2011  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input 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 checked="" 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.

THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL TO DRILL THE WELLS ON THE NBU 921-35C PAD, THE NBU 921-35C1CS, NBU 921-35D1BS, NBU 921-35D1CS AND THE NBU 921-35D4CS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.

**Approved by the Utah Division of Oil, Gas and Mining**

**Date:** 02/22/2011

**By:** Danielle Piernot

<b>NAME (PLEASE PRINT)</b> Danielle Piernot	<b>PHONE NUMBER</b> 720 929-6156	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 2/22/2011

NBU 310  
 482 FNL & 1510 FWL  
 NWSE SEC.35, T9S, R21E  
 Uintah County, UT

KBE: 5005'  
 GR: 4990'  
 TD: 6700'  
 PBTD: 6648'

API NUMBER: 4304732882  
 LEASE NUMBER: U-01194-ST  
 WINS#: 72052  
 WI: 100.0000%  
 NRI: 81.494445%

**CASING:** 11" hole  
 8 5/8" 24# J-55 @ 256' (GL)  
 Cemented with 100 sx. +/- 4 bbls cmt to surf, hole stayed full. TOC @ surface

7.875" hole  
 4 1/2" 11.6# N-80 @ 6700' (KB)  
 Cemented w/ 1313 sx, **TOC @ 2270' per CBL**

Note: Top down job was pumped on 5/15/98 w/ 255 sx (3.16 yield), cement calculation shows cement should have reached 3275' ( or down to original TOC, kb depth), but since CBL was run prior to top down job, 2270' will be used as the TOC in the following procedure.

**TUBING:** 2 3/8" 4.7# J-55 tubing landed at 6566'

**PERFORATIONS:** Wasatch 5468' - 6565'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# N-80	3.875	6350	7780	0.6528	0.0872	0.0155
8.625" 24# J-55	8.097	1370	2950	2.6749	0.3537	0.0636
<b>Annular Capacities</b>						
2.3/8" tbg. X 4 1/2" csg				0.4226	0.0565	0.01006
4.5" csg X 8 5/8" 24# csg				1.8487	0.2471	0.044
4.5" csg X 7.7/8 borehole				1.704	0.2278	0.0406
8.5/8" csg X 11" borehole				1.9026	0.2543	0.0453

**GEOLOGIC INFORMATION:**

<b>Formation</b>	<b>Depth to top, ft.</b>	<b>Tech. Pub. #92 Base of USDW's</b>	
Uinta	Surface	USDW Elevation	~2750' MSL
Wasatch	4718'	USDW Depth	~2255' KBE
Mesaverde	N/A		

**WELL HISTORY:**

- Spud Well 4/8/98, TD'd 4/22/98
- May '98 - Completed Wasatch zones (5468' - 6565') with 46,000 gals gel fluid & 120,180# 20/40 sand.
- 5/6/98- 1<sup>st</sup> Production, 1159 MCF, 0 BC, 24 BW, TP: 275#, CP: 675#, 25/64 CHK, 24 HRS

**Recommended future action for disposition of well bore:**

Temporarily abandon the wellbore during the drilling and completion operations of the NBU 921-35C pad wells. Return to production as soon as possible once completions are done.

## NBU 310 TEMPORARY ABANDONMENT PROCEDURE - Workorder# 88120208

### GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- 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.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

### PROCEDURE

**Note: An estimated 20 sx Class "G" cement needed for procedure**

**Note: Gyro run on 6/9/10 to 6500'**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
3. **PLUG #1, ISOLATE WASATCH PERFORATIONS (5468'-6565')**: RIH W/ 4 ½" CBP. SET @ ~5420'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **4 SX/ 0.8 BBL/ 4.36 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~5370'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, PROTECT WASATCH TOP (4718')**: PUH TO ~4920'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX/ 3.2 BBL/ 17.88 CUFT** AND BALANCE PLUG W/ TOC @ ~4715' (205' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 2/15/11

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 310
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047328820000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0482 FNL 1510 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 35 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 3/2/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" 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.

The operator has concluded the temporarily abandonment operations on the subject well. This well was temporarily abandoned on 03/02/2011 in order to drill the NBU 921-35C PAD which consists of the NBU 921-35C1CS, NBU 921-35D1BS, NBU 921-35D1CS, and NBU 921-35D4CS. Please refer to the attached chronological well history for details.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 3/3/2011

**US ROCKIES REGION**  
**Operation Summary Report**

Well: NBU 310

Spud Date: 4/14/1998

Project: UTAH-UINTAH

Site: NBU 310

Rig Name No: WESTERN WELLSITE/UNK

Event: ABANDONMENT

Start Date: 3/1/2011

End Date:

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: NBU 310

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/1/2011	7:00 - 7:15	0.25		48				HSM JSA
	7:15 - 17:00	9.75		30				road to oray turn of move rig to NBU 310 rig up pump 80 BLS timac water to kill well ND WH NU BOPE rig up B & C pipe inspection TOH/ W 202 joints 146 yellow 44 blue and 12 red PU 3.3/4 bit TIH/ tubing to 5418' SWI SDFN
3/2/2011	7:00 - 7:15	0.25		48				HSM JSA
	7:15 - 17:00	9.75		30				ROAD TO LOCATION PUMP 70 BLS WATER TO KILL WELL TOH/ TUBING LAID DOWN BIT PU 4.1/2 CIBP TIH/ W TUBING SET PLUG AT 5418' FILL WELL W FRESH WATER PRESURE TEST CASING TO 500 PSI TEST GOOD PUH 10' PUMP 4 SXS CEMENT TOH/ TUBING TO 5300 REVERSE CIRCULATE TOH/ W TUBING TO 4915' BRK CIRC FRESH WATER PUMP 16 SXS TOH/ W TUBING TO 4700 REVERSE CIRCULATE TOH/ LAID DOWN TUBING ND BOPE RIG DOWN

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01194-ST
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.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Gas Well		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>8. WELL NAME and NUMBER:</b> NBU 310
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>9. API NUMBER:</b> 43047328820000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0482 FNL 1510 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENW Section: 35 Township: 09.0S Range: 21.0E Meridian: S		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
		<b>COUNTY:</b> UINTAH
		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" 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 checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/21/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER: <input style="width: 50px;" type="text"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<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	
<input type="checkbox"/> DRILLING REPORT Report Date:	<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	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE SUBJECT WELL WAS RETURNED BACK TO PRODUCTION ON 11/21/2011.		
<p style="font-size: large; margin: 0;"><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b></p>		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 12/5/2011