



October 11, 2000

State of Utah  
Division of Oil Gas & Mining  
1594 West North Temple, Suite 1210  
P.O. Box 145801  
Salt Lake City, UT 84114

**ATTENTION: Lisha Cordova**

Dear Lisha,

The location for the NBU #327 proposed well to be drilled in the SW/SE Sec. 33, T9S, R22E, Uintah County, Utah is 720' FSL & 1465' FEL of said Sec. 33. This location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet of any non-committed tract lying within the boundaries of the Unit.

If you have questions or need additional information, please do not hesitate to call me, (435) 781-7023.

Sincerely,

  
Cheryl Cameron  
Sr. Regulatory Analyst

**Coastal Oil & Gas Corporation**

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

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DIVISION OF  
OIL, GAS AND MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0136  
Expires: November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work  DRILL  REENTER  
1b. Type of Well  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
Coastal Oil & Gas Corporation

3a. Address  
P.O. Box 1148, Vernal, UT 84078

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

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

At surface SW SE

At proposed prod. zone 720' FSL & 1465' FSL

4427293 N  
633159 E

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

27.8 Miles Northeast of Oursay, Utah

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any)

720'

16. No. of Acres in lease

1041.78

17. Spacing Unit dedicated to this well

N/A

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

Refer to Topo "C"

19. Proposed Depth

6500'

20. BLM/BIA Bond No. on file

U-605382-9

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

5109.7' Ungraded GR

22. Approximate date work will start\*

Upon Approval

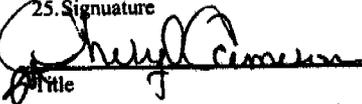
23. Estimated duration

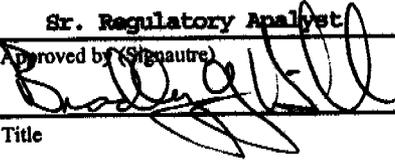
To Be Determined

24. Attachments

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

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

25. Signature  Name (Printed/Typed) Cheryl Cameron Date 10/11/00

Title Sr. Regulatory Analyst  
Approved by (Signature)  Name (Printed/Typed) BRADLEY G. HILL Date 10/30/00  
Title RECLAMATION SPECIALIST III  
Office

Application approval 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.  
Conditions of approval, if any, are attached.

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

\*(Instructions on Reverse)

**Federal Approval of this  
Action is Necessary**

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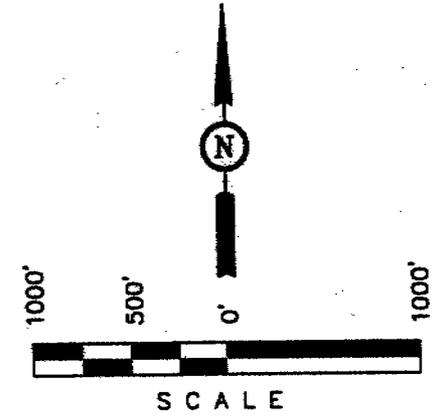
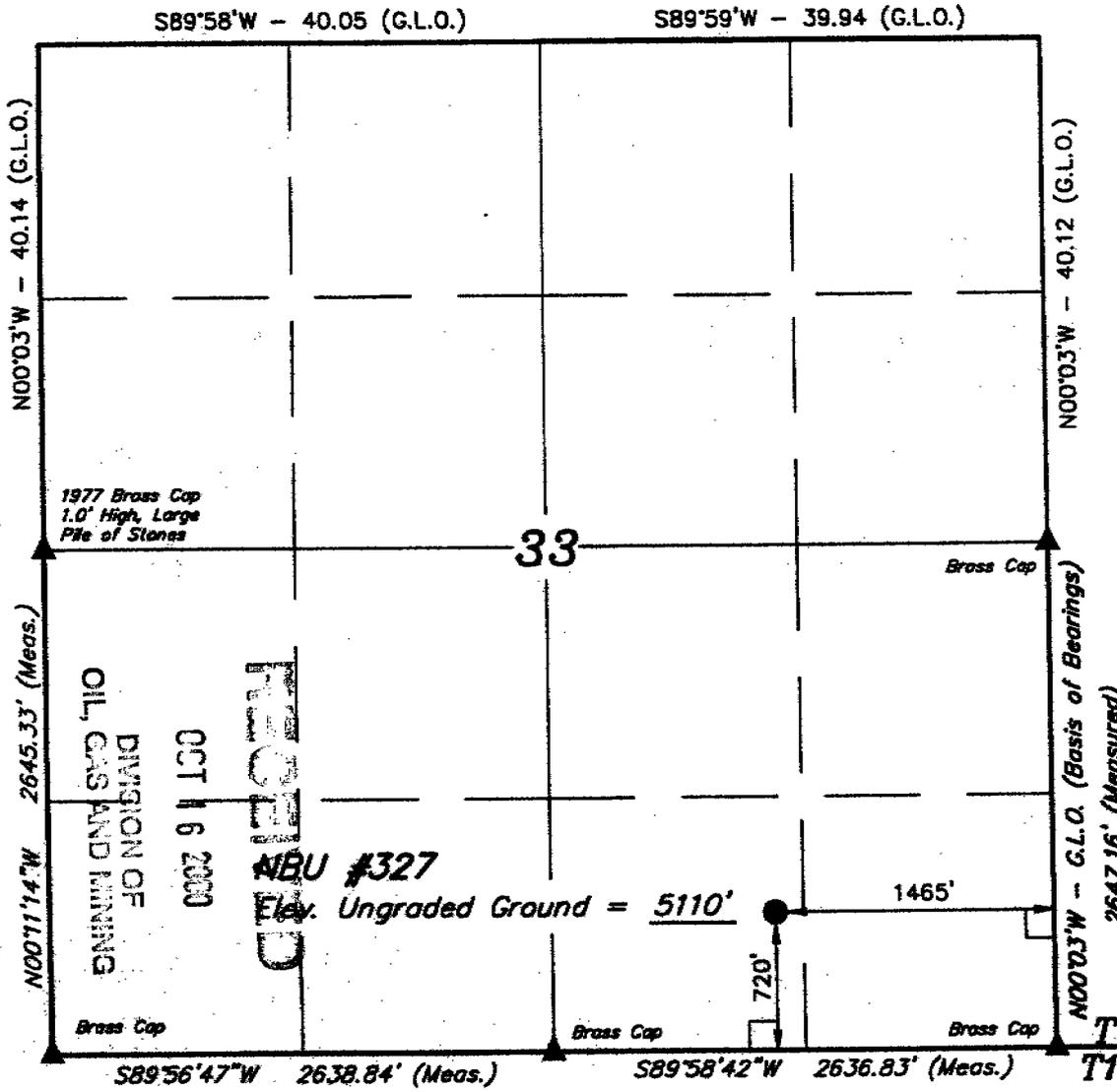
# T9S, R22E, S.L.B.&M.

## COASTAL OIL & GAS CORP.

Well location, NBU #327, located as shown in the SW 1/4 SE 1/4 of Section 33, T9S, R22E, S.L.B.&M., Uintah County, Utah.

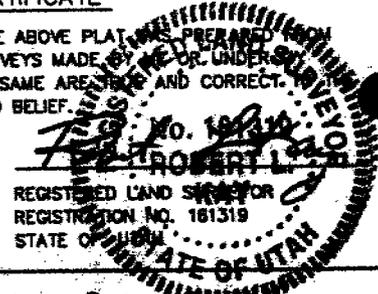
### BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP NEAR THE EAST 1/4 CORNER OF SECTION 8, T10S, R22E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5304 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.



<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 08-11-98	DATE DRAWN: 08-18-98
PARTY B.B.    D.R.    D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE COASTAL OIL & GAS CORP.	

### LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

NBU #327  
SW/SE Sec. 33, T9S, R22E  
UINTAH COUNTY, UTAH  
U-01191

ONSHORE ORDER NO. 1  
COASTAL OIL & GAS CORPORATION

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
KB	5050'
Green River	1345'
Wasatch	4425'
TD	6000'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1345'
Gas	Wasatch	4425'
Water	N/A	
Other Minerals	N/A	

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

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

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

*Please see the Natural Buttes Unit SOP.*

5. **Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

6. **Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

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7. **Abnormal Conditions:**

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

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

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NBU #327  
SW/SE Sec. 33, T10S, R22E  
UINTAH COUNTY, UTAH  
U-01191

ONSHORE ORDER NO. 1

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

An onsite inspection was conducted for the NBU #327 on 9/22/00, for the subject well.

1. **Existing Roads:**

The proposed well site is approximately 23.6 miles northeast of Ouray, Utah. Directions to the location from Ouray, Utah:

Proceed in a westerly direction from Vernal, Utah, along U.S. Highway 40 approximately 14.0 miles to the junction of state highway 88; exit left and proceed in a southerly direction approximately 17.0 miles to Ouray, Utah; proceed in a southerly direction approximately 6.9 miles on the Seep Ridge Road to the junction of this road and an existing road to the east; turn left and proceed in an easterly direction approximately 5.0 miles to the junction of this road and an existing road to the north; turn left and proceed in a northerly direction approximately 0.3 miles to the junction of this road and an existing road to the northeast; turn right and proceed in a northeasterly direction approximately 4.8 miles the junction of this road and an existing road to the south; turn right and proceed in a southerly then southeasterly direction approximately 7.2 miles to the junction of this road and an existing road to the north; turn left and proceed in an northerly direction approximately 1.4 miles to the junction of this road to the east; turn right and proceed in an easterly then northeasterly direction approximately 1.0 miles to the junction of this road and an existing road to the southeast; proceed in an northeasterly then northwesterly direction approximately 0.3 miles to the junction of this road and an existing road to the north; turn right and proceed in a northerly direction approximately 0.6 miles to the junction of this road and the beginning of the proposed access road to the southeast; follow road flags in a southwesterly direction approximately 0.3 miles to the proposed location.

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

2. **Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

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

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

Please refer to Topo Map C.

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

*Please see the Natural Buttes Unit SOP.*

Refer to Topo Map D for the location of the proposed pipeline.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

7. **Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

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).

A pit liner shall be installed and felt will be placed in the bottom of the pit with the liner placed on top.

A sight barrier shall be constructed behind the pit, as discussed during the onsite inspection.

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

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

*Please see the Natural Buttes SOP.*

The following seed mixture will be used to reclaim the surface. A total of 12 lbs/acre will be used if the seeds are drilled (24 lbs/acre if the seeds are broadcast). The per acre requirements for **drilled seed** are:

Galleta Grass	4 lbs.
Shad Scale	4 lbs.
Black Sage	4 lbs.

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**11. Surface Ownership:**

The well pad and access road are located on lands owned by:

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435)781-4400

**12. Other Information:**

A Class III archaeological survey was conducted by Metcalf Archaeological Consultants. A copy of this report is attached.

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

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

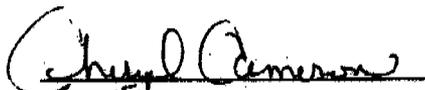
Tom Young  
Drilling Manager  
Coastal Oil & Gas Corporation  
9 Greenway Plaza, Suite 2770  
Houston, TX 77046  
(713) 418-4156

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

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

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.

  
Cheryl Cameron

10/1100

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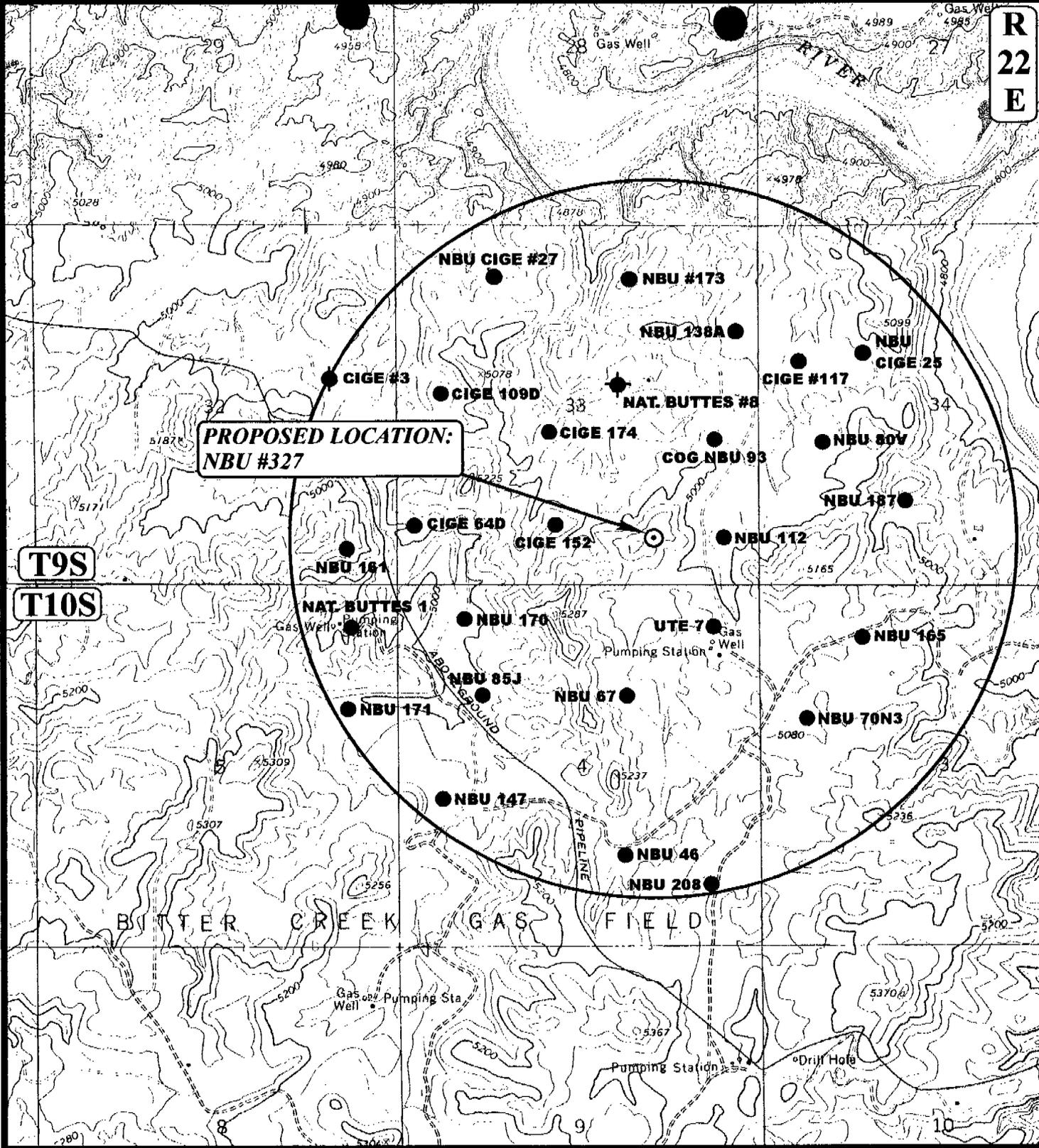
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R  
22  
E



**PROPOSED LOCATION:  
NBU #327**

T9S

T10S

**LEGEND:**

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

**COASTAL OIL & GAS CORP.**

**NBU #327  
SECTION 33, T9S, R22E, S.L.B.&M.  
720' FSL 1465' FEL**



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

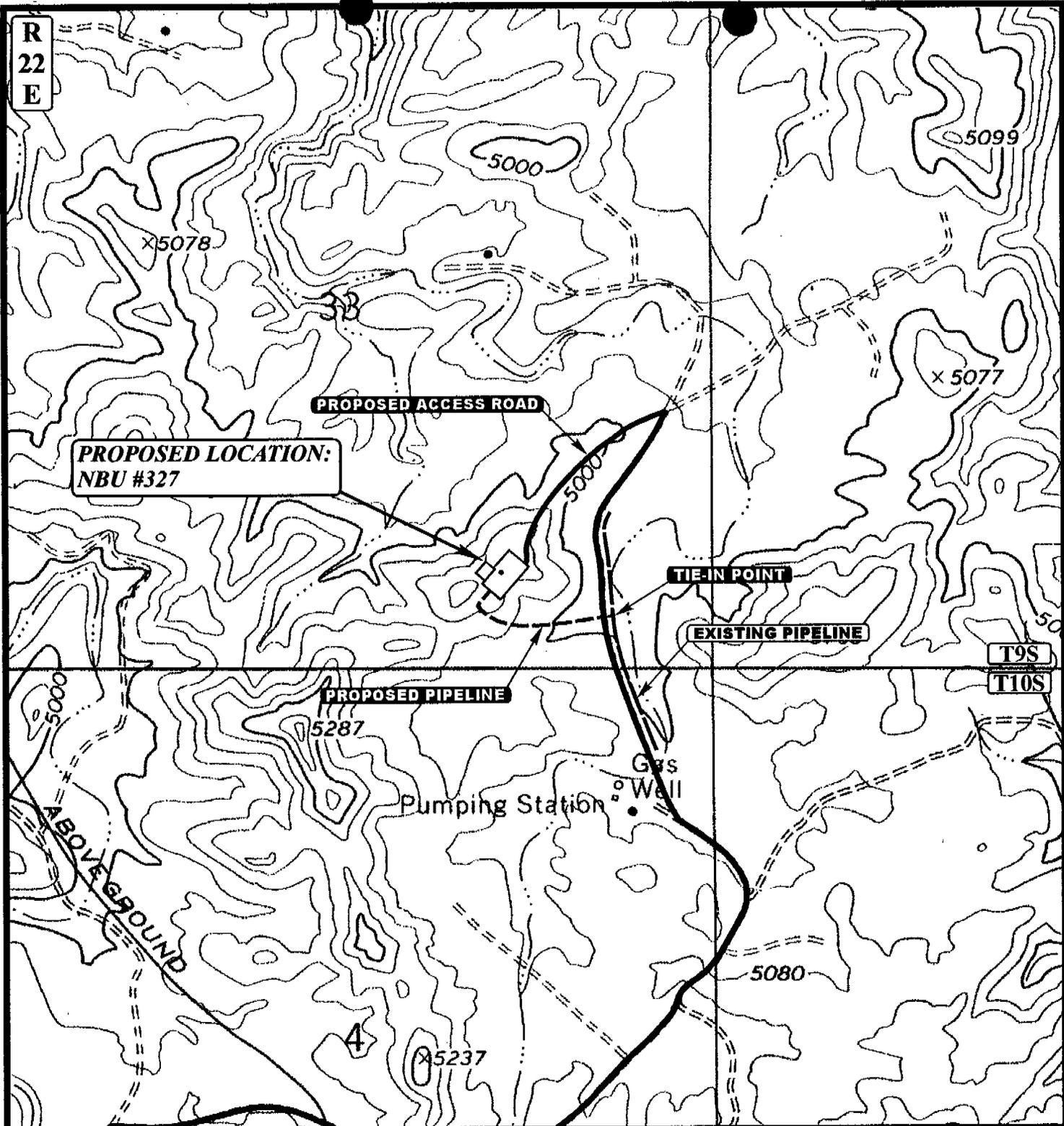


**TOPOGRAPHIC  
MAP**

**8 18 98**  
MONTH DAY YEAR

SCALE: 1" = 2000' | DRAWN BY: D.COX | REVISED: 00-00-00





**APPROXIMATE TOTAL PIPELINE DISTANCE = 1,200' +/-**

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS

**COASTAL OIL & GAS CORP.**

**NBU #327**  
**SECTION 33, T9S, R22E, S.L.B.&M.**  
**720' FSL 1465' FEL**



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

**TOPOGRAPHIC**  
**MAP**

<b>8</b>	<b>1898</b>
MONTH	DAY YEAR

SCALE: 1" = 1000' DRAWN BY: D.COX REVISED: 00-00-00

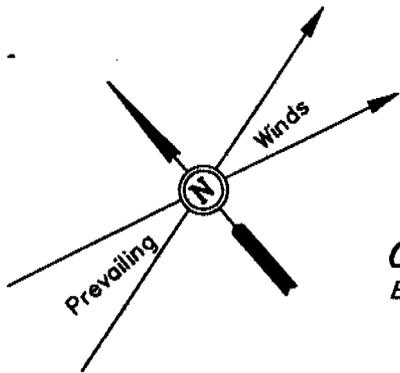
**D**  
**TOPO**

**COASTAL OIL & GAS CORP.**

**LOCATION LAYOUT FOR**

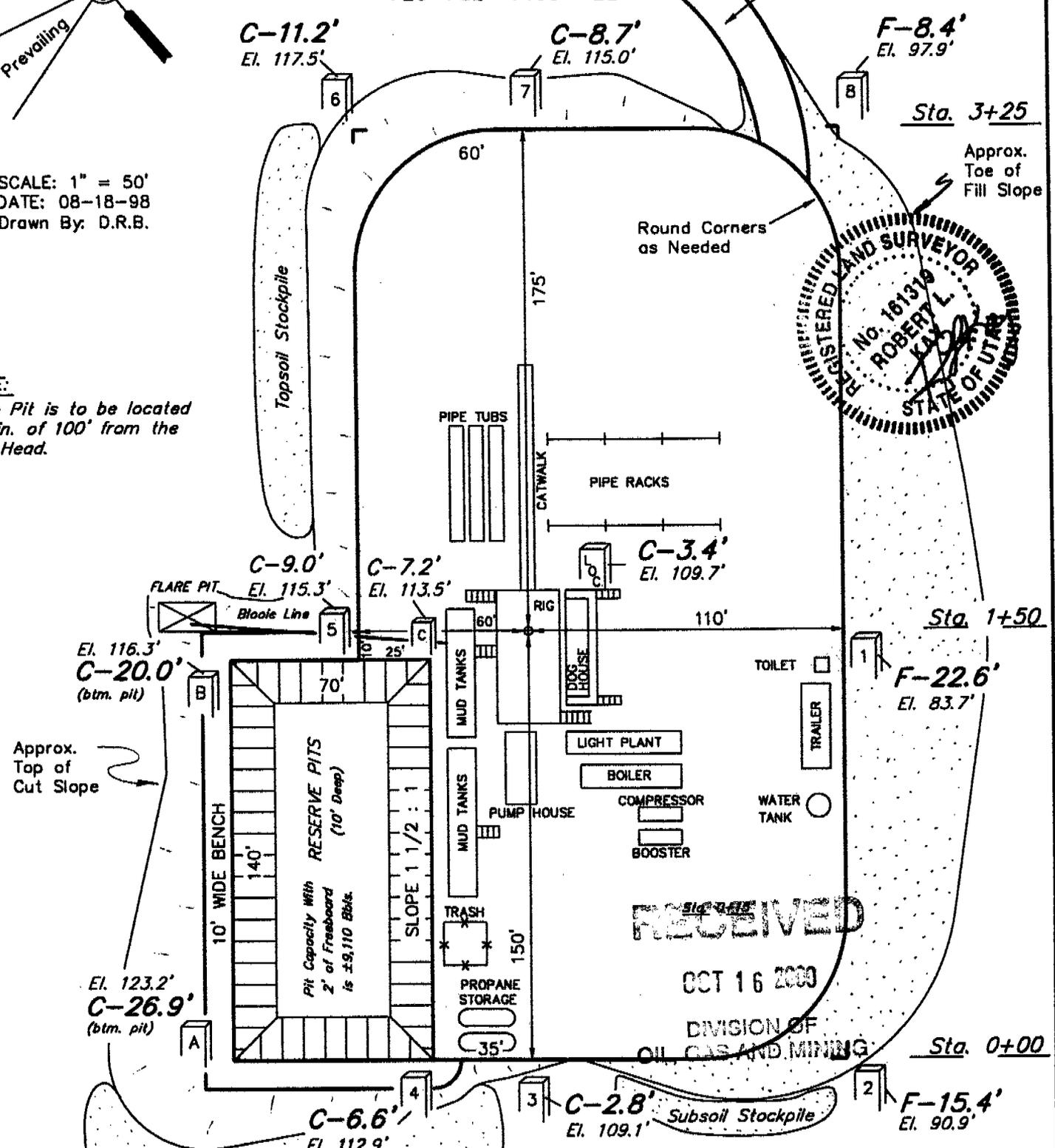
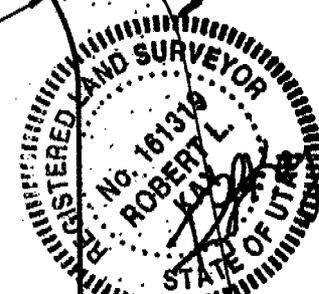
**NBU #327**  
**SECTION 33, T9S, R22E, S.L.B.&M.**  
**720' FSL 1465' FEL**

*Proposed Access Road*



SCALE: 1" = 50'  
 DATE: 08-18-98  
 Drawn By: D.R.B.

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



**NOTES:** Reserve Pit Backfill & Spoils Stockpile  
 Elev. Ungraded Ground At Loc. Stake = 5109.7'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 5106.3'

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**FIGURE #1**

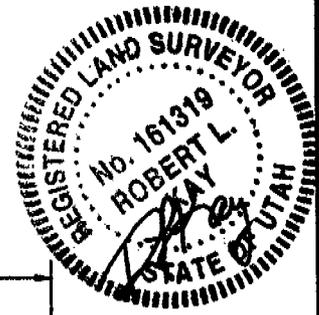
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TYPICAL CROSS SECTIONS FOR

NBU #327

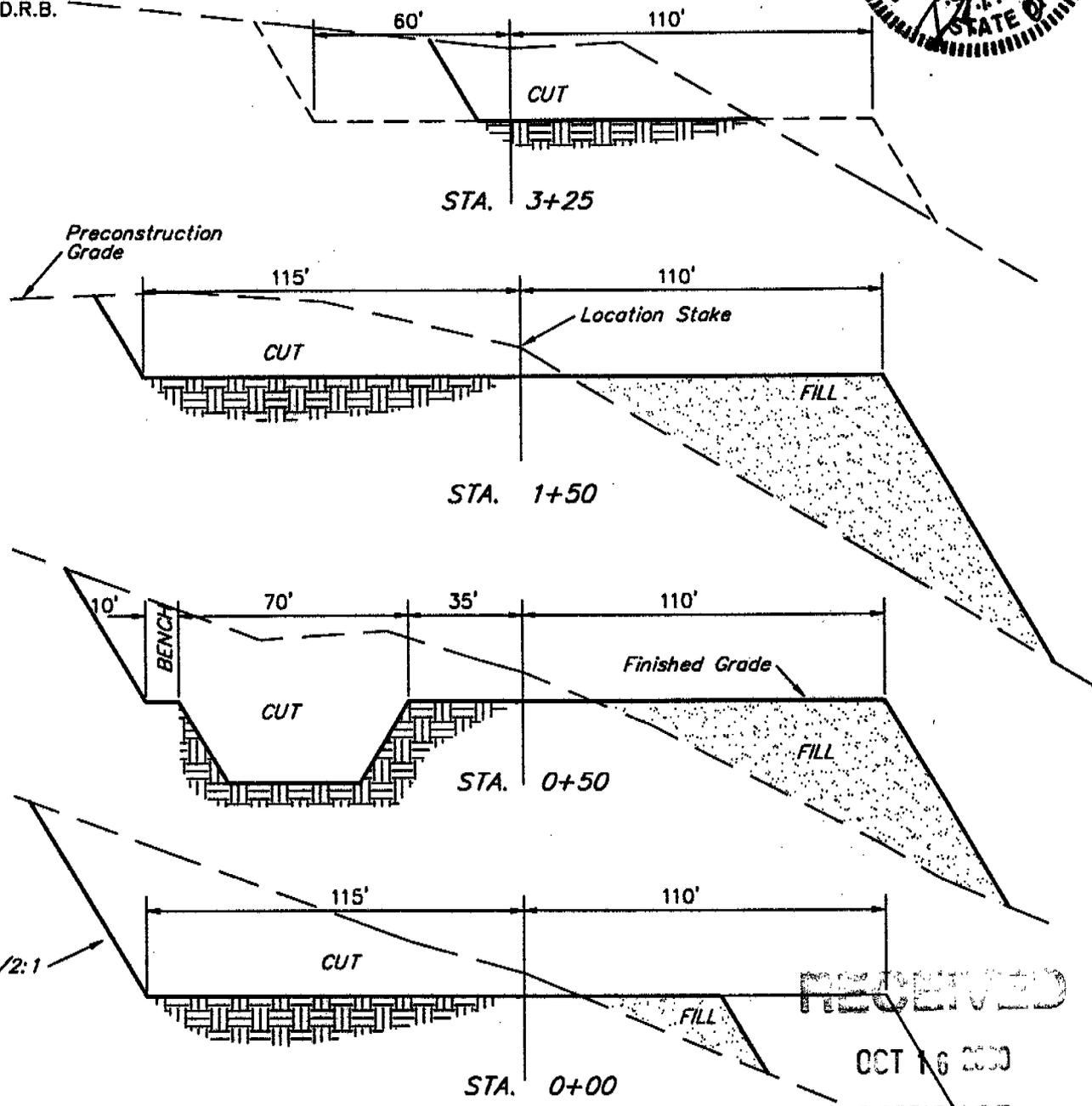
SECTION 33, T9S, R22E, S.L.B.&M.

720' FSL 1465' FEL



1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 08-18-98  
Drawn By: D.R.B.



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**FIGURE #2**

APPROXIMATE YARDAGES

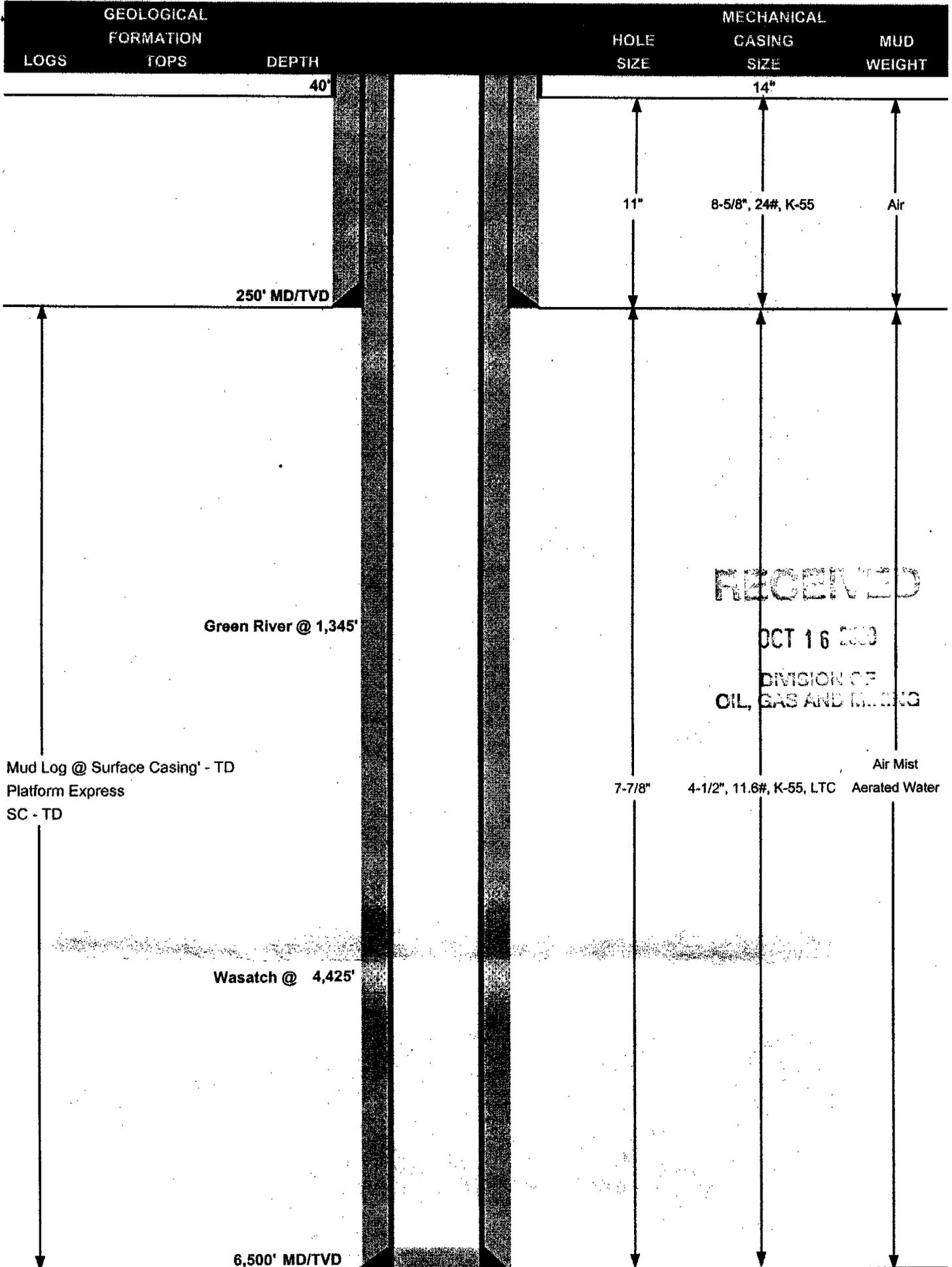
CUT	
(6") Topsoil Stripping	= 1,140 Cu. Yds.
Remaining Location	= 14,830 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 15,970 CU.YDS.</b>
<b>FILL</b>	<b>= 12,860 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,430 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,430 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

# COASTAL OIL & GAS CORPORATION

## DRILLING PROGRAM

COMPANY NAME Coastal Oil & Gas Corporation DATE 9/13/00  
 WELL NAME NBU #327 TD 6,500' MD/TVD  
 FIELD NBU COUNTY Uintah STATE Utah ELEVATION 5,050' KB  
 SURFACE LOCATION 720' FSL & 1,465' FEL, Section 33 T9S-R22E BHL Straight Hole  
 OBJECTIVE ZONE(S) Wasatch  
 ADDITIONAL INFO \_\_\_\_\_



## COASTAL OIL & GAS CORPORATION DRILLING PROGRAM

### CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	8-5/8"	0-250'	24#	K-55	STC	2950	1370	263000
						21.03	11.71	4.70
PRODUCTION*	4-1/2"	0-TD	11.6#	K-55	LTC	5350	4960	180000
						2.33	1.47	1.44

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

### CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE		250	Class G + 2% CaCl <sub>2</sub> + 0.25 lb/sk Cello Flake	90	35%	15.80	1.17
PRODUCTION	LEAD	4,125'	Premium Lite II + 3 lb/sk BA-90 + 0.5% Sodium Metasilicate + 10% Bentonite + 0.25 lb/sk Cello Flake	540	100%	11.00	3.44
	TAIL	2,375'	+ 2% CaCl + 3 lb/sk Kol Seal 50/50 POZ + 2% Bentonite + 0.2% Sodium Metasilicate + 3% KCl + 0.5% FL-25 + 0.25 lb/sk cello Flake	780	75%	14.5	1.22

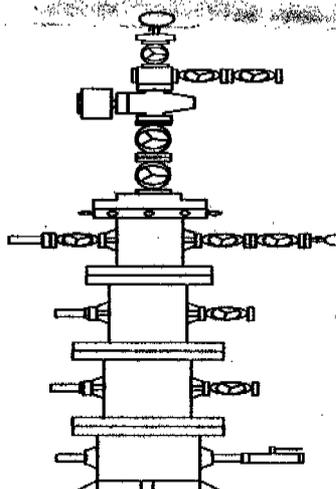
\* or 15% over caliper log

### FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, float collar. Centralize first 3 joints & every other joint to surface with bow spring centralizers. Thread lock FE up to & including pin end of FC.
PRODUCTION	Guide shoe, 1 jt, float collar. Centralize first 3 joints & every other joint to 4200' with bow spring centralizers.

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### WELLHEAD EQUIPMENT

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

## COASTAL OIL & GAS CORPORATION DRILLING PROGRAM

**BIT PROGRAM**

ROCK BIT & PDC BIT PROGRAM						
INTERVAL	HOLE	BIT MFG & MODEL	GPM	SERIAL	NZLS	COMMENTS
Surface Hole	11"	Various				
Surf Csg - Top WS	7-7/8"	STC ER5897	Air/Mist	New	16-16-16	
			Aerated			
Top WS - TD	7-7/8"	G536M	280	Rental	0.5 TFA	

At approximately 4500', or when the pit level is at a level and the air has been decreased to approximately 500 CFM, trip for the PDC. Nozzle bit down to 0.5 TFA. Run bit with the WOB at approximately 15k to 20k lbs and rotate at 70 - 80 RPM's. Similar runs in the field have had an average ROP of 40'/hr.

**GEOLOGICAL DATA****LOGGING:**

Depth	Log Type
SC - TD	Platform Express

**MUD LOGGER:**

SC - TD

**SAMPLES:**

As per Geology

**CORING:**

NA

**DST:**

NA

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

Circulate hole until clean @ TD. Spot brine pill at TD for logs and casing.

**ADDITIONAL INFORMATION**

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Run Totco survey every 1,500' from surface casing shoe to TD. Maximum allowable hole angle is 5 degrees.

Treat for corrosion as per plan.

PROJECT ENGINEER:

Christa Yin

DATE:

PROJECT MANAGER:

Darrell Molnar

DATE:



**MAC**

**Metcalf Archaeological Consultants, Inc.**

NBU 327

DENVER DISTRICT - E & S

OCT 19 1998

October 16, 1998

BLC \_\_\_ RAD \_\_\_ SCP \_\_\_ CEL \_\_\_  
SAB MD JRN \_\_\_ MDE \_\_\_ LPS \_\_\_

XC: PUL  
PERB

Ms. Sheila Bremmer  
Coastal Oil & Gas Corp.  
P. O. Box 749  
Denver, CO 80201-0749

Dear Ms. Bremmer:

Enclosed is Metcalf Archaeological Consultants, Inc. (MAC) cultural resource inventory report covering ten proposed well projects for Coastal Oil & Gas in Uintah County, Utah. A single prehistoric isolate was recorded during these inventories. Since no significant cultural resources were discovered during these inventories, cultural resource clearance is being recommended for all ten projects.

If you have any questions or need further assistance please do not hesitate to contact us.

Sincerely,

*Michael D. Metcalf*  
Michael D. Metcalf  
Principal Investigator

MDM/sjm

Enclosure

cc: Blaine Phillips, BLM Vernal District, Vernal

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COVER PAGE  
Must Accompany All Project Reports  
Submitted to Utah SHPO

Project Name: Ten Projects for Coastal Oil & Gas

State Proj. No. U-98-MM-0490b

Report Date: October 1998

Principal Investigator: Michael D. Metcalf

Field Supervisor(s): Lauri Travis

Acreage Surveyed 164.9

Intensive: 164.9 acres

Recon/Intuitive: \_\_\_\_\_ acres

7.5' Series USGS Map Reference(s): Big Pack Mtn. NE and Archy Bench

Sites Reported	Count	Smithsonian Numbers
Archaeological Sites		
Revisits (no inventory form update)	<u>0</u>	_____
Revisits (Update IMACS site inventory form attached)	<u>0</u>	_____
New recordings (IMACS site inventory form attached)	<u>0</u>	_____
Total Count of Archaeological Sites	<u>0</u>	
Hist. Structures(USHS 106 Site info form atchd)	<u>0</u>	
Total National Register Eligible Sites	<u>0</u>	

Checklist of Required Items

1.  1 Copy of the final report
2.  Copy of 7.5' Series USGS Map with Surveyed/Excavated Area Clearly Identified.
3. Completed IMACS Site Inventory Forms, Including  
 Parts A and B or C,  
 the IMACS encoding Form,  
 Site Sketch Map,  
 Photographs, and  
 Copy of the Appropriate 7.5' Series USGS Map w/ the Site Location Clearly Marked and Labeled w/ the Smithsonian Site Number
4.  Completed "Cover Sheet" Accompanying Final Report and Survey Materials

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Ten Well Pad Projects for Coastal Oil & Gas Company:  
Class III Cultural Resource Inventory,  
Uintah County, Utah

by  
Lauri Travis  
Metcalf Archaeological Consultants, Inc.  
P.O. Box 10504  
Helena, MT 59604

prepared for  
Coastal Oil & Gas Company

Bureau of Land Management  
Cultural Resources Permit # 98-UT-54945  
expires May 1, 1999

October 1998  
Project No. U-98-MM-0490b

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Introduction

Metcalf Archaeological Consultants, Inc. (MAC) was contacted by Coastal Oil and Gas Company to perform a Class III cultural resource inventory of ten proposed well locations and access roads in Uintah County, Utah. The well locations are listed in Table 1, including legal location, footage, total acreage covered, access road distance and direction, and pipeline distance and direction. Figures 1, 2, 3 and 4 illustrate well locations plotted on 7.5' USGS quadrangle maps.

These cultural resource inventories were conducted to maintain compliance with the National Historic Preservation Act, as amended. The proposed well locations and access roads will be located on land administered by the Bureau of Land Management (BLM), Vernal District Office, Vernal, Utah. The purpose of the inventories was to locate and record cultural resources within the area of potential effect (APE) of the proposed well locations and access roads. If cultural resources were found, their locations were recorded, the appropriate state forms were completed (IMAC), a sketch map was made, and photographs were taken. Cultural resources would then be evaluated for eligibility to the National Register of Historic Places (NRHP), and recommendations concerning their management would be discussed.

On August 18 through the 22, and August 24, 1998, Lauri Travis, staff archaeologist with Metcalf Archaeological Consultants, Inc., performed cultural resource inventories for ten proposed well pads and access roads. The well locations, access and pipeline locations were staked at the time of the survey. All field notes and other pertinent data are on file at Metcalf Archaeological Consultants, Inc. Helena, MT branch.

Management Summary

The cultural resources inventory of the proposed well locations and access revealed one isolated find. The isolated find was located on the proposed access road to CIGE #242-33-9-22. This isolated find is not considered eligible for the National Register of Historic Places. No previously recorded sites are located in or near the vicinity of any proposed well locations, road access or pipelines. Cultural resource clearance is recommended for the ten proposed wells, access and pipelines as staked at the time of the survey and depicted in Figures 1, 2 and 3.

Effective Environment

The project area is located in the Uinta Basin physiographic subdivision of Utah (Stokes 1977). All proposed well locations are a few miles east of the White River in an

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Table 1

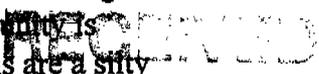
Well Locations and Accompanying Information

Well	Legal T/R/S	Footage	Acres Dis/Dir	Pipeline Dis/Dir	Acres
NBU-332	10S 21E/10	2036FSL 914FWL	200m SW	240m NE	13.3
CIGE 242-33-9-22	9S 22E/33	1332FNL 940FWL	300m N	750m W	17.8
CIGE 243-33-9-22	9S 22E/33	1798FSL 962FWL	400m S	630m SW	17.7
NBU-327	9S 22E/33	720FSL 1465FEL	350m NE	360m E	15.2
NBU-329	10S 22E/1	1527FSL 1994FWL	300m E	650m E	16.9
CIGE 248-21-10-21	10S 21E/21	2197FSL 834FWL	500m E	1900m NE	28.0
NBU-330	10S 21E/3	752FNL 570FEL	150m SE	350m N	13.7
NBU-331	10S 21E/3	500FNL 1800FEL	75m NE	450m N	13.8
NBU-336	10S 22E/4	515FNL 2134FEL	350m S	500m E	16.3
NBU-335	10S 22E/4	2032FNL 580FEL	150m E	150m NW	12.2
Total Acres					164.9

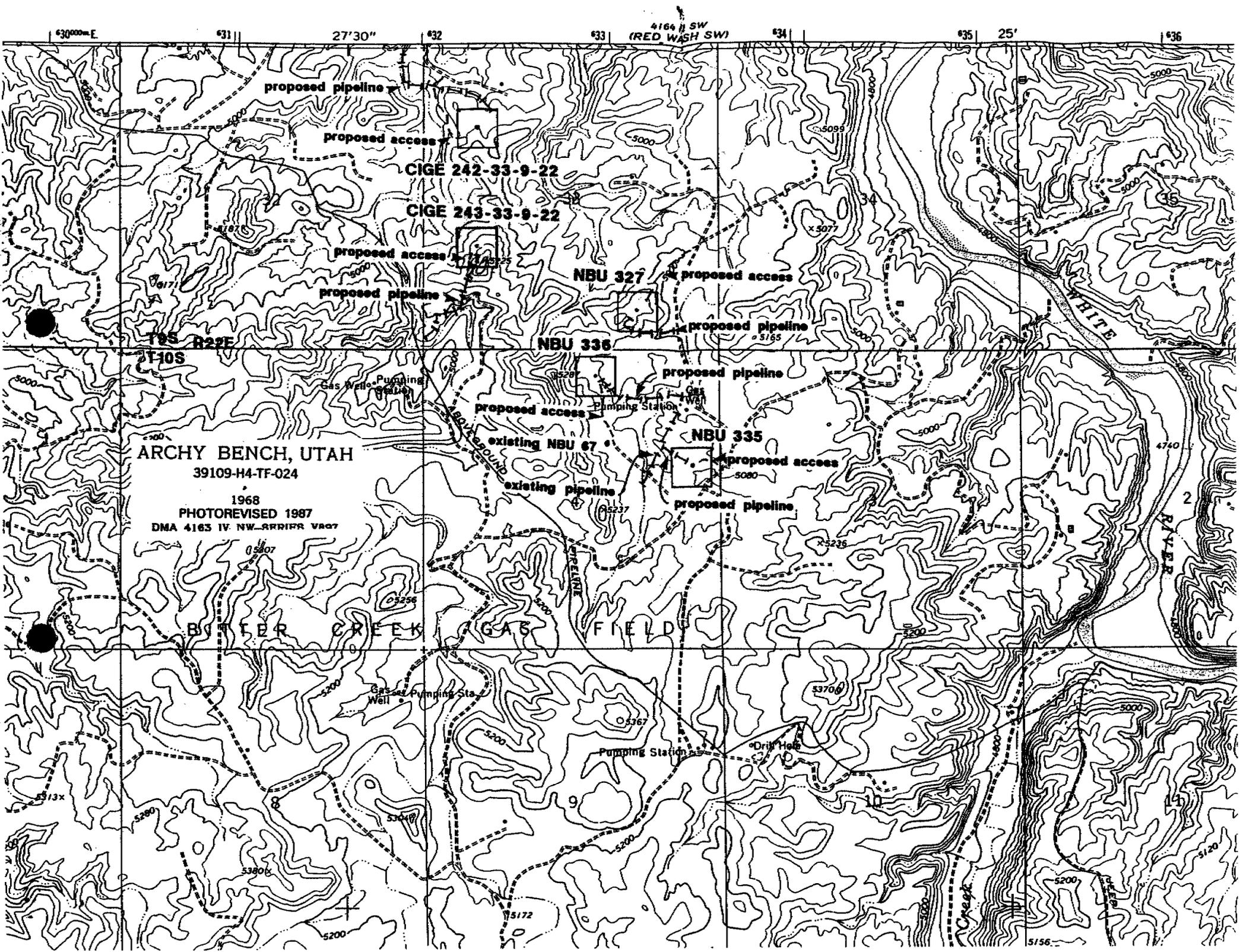
area of high ridges and deeply incised drainages. Geology of the area is dominated by the Eocene Uintah Formation and is often overlain by alluvial surficial deposits. Occasional outcrops of the Green River Formation may also be present (Hintze 1980). Local vegetation is predominantly the sagebrush community, including low sagebrush, bunch grasses, saltbush, prickly pear cactus, Mormon Tea, and forbs. Specific well and access locations are discussed below.

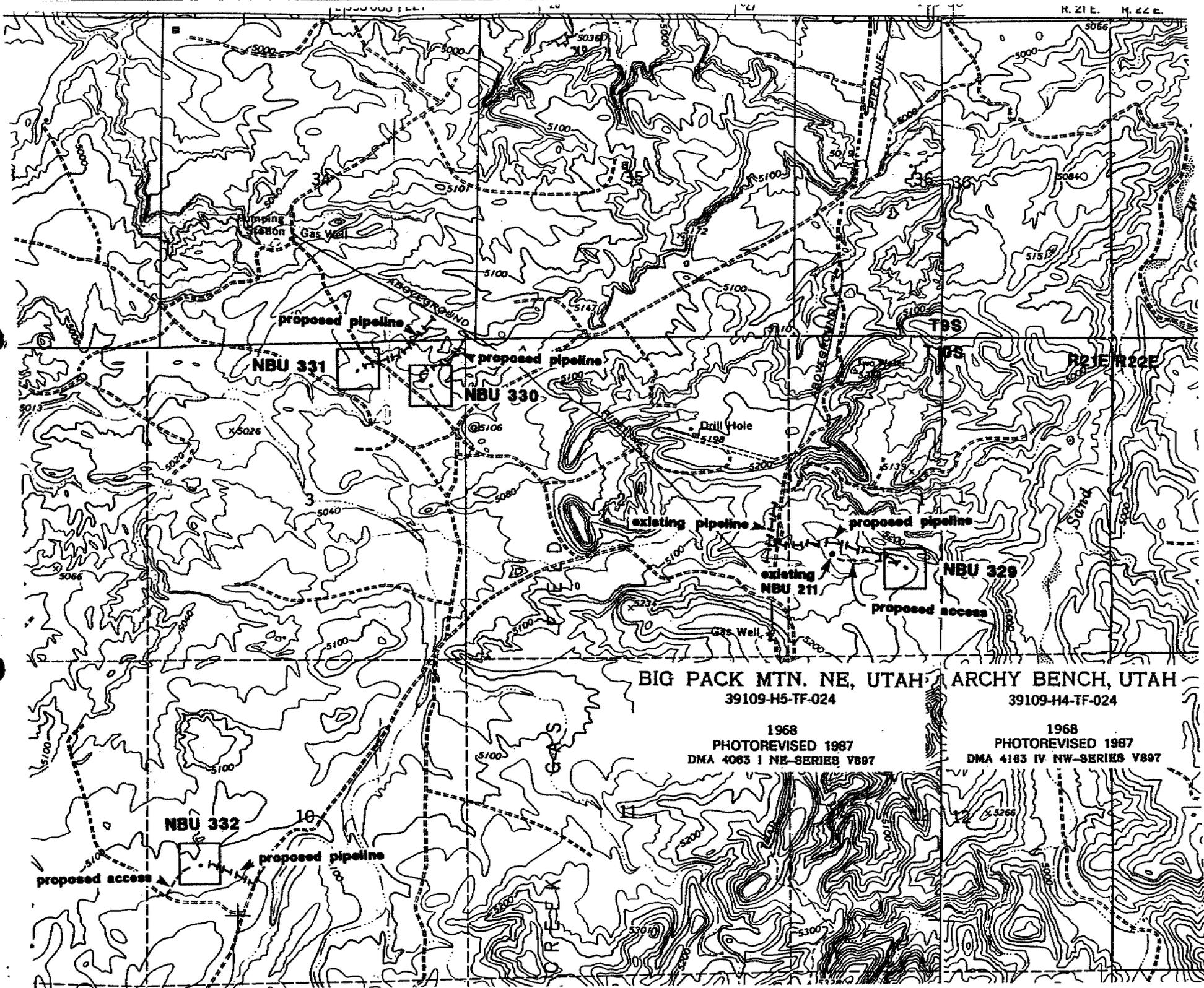
**NBU-332**  
 T10S R21E Section 10      2036 FSL 914 FWL

The proposed well is located on a gentle north sloping plain with two small intermittent drainages traversing in a southeast-northwest direction through the area. Both drainages are about a foot deep throughout the well pad location. The sagebrush community is dominant, but sparse. Ground surface visibility is very good at 80-90%. Soils are a silty

  
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BIG PACK MTN. NE, UTAH ARCHY BENCH, UTAH

39109-H5-TF-024

39109-H4-TF-024

1968  
PHOTOREVISED 1987  
DMA 4063 I NE-SERIES V897

1968  
PHOTOREVISED 1987  
DMA 4163 IV NW-SERIES V897

brown loam with many tan-red sandstone outcrops. The area appears to have little soil deposition except at the slope toes. The access road starts at the southwest end of the proposed pad and extends approximately 200 meters to an existing road. The proposed pipeline runs east about 240 meters from the northeast side of the proposed pad to tie into an existing pipeline.

**NBU-327**

T9S R22E Section 33                      720 FSL 1465 FEL

This proposed location is on top of a knoll overlooking an intermittent drainage 300 meters to the northwest. The sagebrush community prevails and ground surface visibility is between 60 to 90%. Soil on the top of the knoll is a tan sandy loam with heavy accumulations on the southeast side. The northwest side of the knoll has been heavily deflated with red sandstone bedrock exposed in many areas. The access road begins at the northeast side of the proposed well and runs northeast about 350 meters to tie in at an existing road. The proposed pipeline begins along the southwest side of the pad and runs southwest for about 60 meters then turns sharply east and continues for 300 meters to tie in with an existing pipeline.

**NBU-329**

T10S R22E Section 1                      1527 FSL 1994 FWL

Proposed well NBU-329 is located at the base of a large sandstone outcrop. The large sandstone outcrop is abutted by the proposed well pad to the southwest. The outcrop is about 100 meters east-west, 50 meters north-south and 30 meters tall. Vegetation is dominated by the sagebrush community but some greasewood is present as well. Surface visibility is fairly good at 60-80%. Soil in the area is a tan sandy loam which does not appear to be sand dunes or sand shadows, but a thin layer on top of residual soils. The road access runs from the east side of the proposed well pad about 300 meters east to join existing well NBU-211. The proposed feeder pipeline runs 630 meters east from the east side of the proposed pad to tie in with an existing pipeline. The first 250 meters of the feeder pipeline parallels an existing aboveground pipeline.

**CIGE 248-21-10-21**

T10S R21E Section 21                      2197 FSL 834 FWL

Proposed location is on a small knoll and north slope of knoll overlooking an intermittent drainage 100 meters to the north. Vegetation is sagebrush community with surface visibility around 70-90%. There is little soil deposition on top of the siltstone cobble bedrock formation. At least 80% of the ground surface is covered with angular siltstone cobbles. Soils that are present are silty red loams. The proposed access road leaves the south side of the pad and continues for about 50 meters south then turns sharply east to skirt around a butte for about 450 meters to tie into an existing road. The proposed

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pipeline parallels the proposed road access to this point. The proposed pipeline then continues northeast paralleling the existing road and an aboveground pipeline for approximately 1900 meters to tie in at existing well CIGE-58.

**CIGE 243-33-9-22**

T9S R22E Section 33                      1798 FSL 962 FWL

Proposed location is on top of a bluff with steep (25-35%) slopes overlooking the White River about one mile east. Vegetation is sagebrush community with 60-90% ground surface visibility. The top of the bluff is covered with rounded and worn tan sandstone outcrops. Outcrops are very weathered and much of the stone is exfoliated. There is very little sand deposition overlying the bedrock. The proposed road access runs about 400 meters south, including a large east-west bend in the stretch. The road access ties in at existing well CIGE-64D. The proposed pipeline runs about 630 meters southwest to the tie-in area.

**CIGE 242-33-9-22**

T9S R22E Section 33                      1332 FNL 940 FWL

Proposed well pad is located on the south end of a small bench overlooking the White River about one and a half miles to the east. Lower areas of the bench have exposed angular siltstone with some sand accumulations at the toe of the slopes. Higher areas on top of the bench contain exposed rounded sandstone outcrops with little sand overlying the bedrock. This entire area has little deposition, just a few sand accumulation belts along slope areas. Vegetation of the sage community is sparse leading to good ground visibility, around 80-90%. Road access runs approximately 300 meters. The road runs from the west side of the proposed well pad at the top of the bench and continues west for about 70 meters, then turns quickly north for 230 meters to tie-in near the existing CIGE-190 well. The proposed pipeline leaves the east side of the well pad and sharply turns north for 50 meters. The pipeline then travels northwest for 200 meters and finally sharply to the west for about 300 meters. From this point, the pipeline turns due north for 200 meters to tie in at an existing aboveground pipeline.

**NBU-330**

T10S R21E Section 3                      752 FNL 570 FEL

NBU-330 is located on a south facing slope up against a large sandstone outcrop to the north. An intermittent drainage is 10 meters west of the proposed well pad. The vegetation present is the sagebrush community with the addition of Mormon Tea. Ground surface visibility is 50-80%. Deposition of the area is depicted by sand dunes with a few blow out areas on the northern periphery. Cuts along the intermittent drainage to the west indicate deposition of the area is at least 70 centimeters. Rodent activity in the area is moderate to high and does not demonstrate any evidence of buried deposits. Outcrops of

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bedrock are visible throughout the area, especially in the northern border. The road access leaves the pad on the south side and continues approximately 150 meters southeast to an existing road. The proposed pipeline leaves the pad on the north side and continues north for about 350 meters and ties in near existing well CIGE-236.

**NBU-331**

T10S R21E Section 3      500 FNL 1800 FEL

Proposed well location is on a gentle northeast sloping plain surrounded by small ridges to the north and west. Proposed location is on a deflated plain with little deposition. A few areas do contain very small dune accumulations, a meter or two in diameter. The dunes appear to have little depth, half a meter to a meter, as shown by erosion and the deflated surrounding areas. Dominant vegetation is the sagebrush community and surface visibility is 50-80%. Soils are tan sandy loams overriding a red sandstone bedrock. The proposed access road runs about 75 meters northeast to tie into an existing road. The proposed pipeline runs north about 450 meters to the tie-in area. The pipeline will run up a steep hill and over a ridge and ties in at the top of the ridge.

**NBU-336**

T10S R22E Section 4      515 FNL 2134 FEL

This well is to be located southeast of a large butte with sandstone outcroppings. The proposed pad is located at the toe of the butte, directly up against the steep slope. Two small drainages flow south off the butte through the proposed pad area. The well area does not have sand accumulations, only a thin layer of residual silty loams. About 70% of the surface is covered with sandstone and siltstone cobbles. Vegetation is dominated by the sage community with greasewood and pickleweed gathering near the drainages indicating a probable high salt content in the soil. Ground visibility is between 50 and 80%. The road access alignment proceeds 350 meters south to well NBU-67. The proposed pipeline tie-in is approximately 500 meters east.

**NBU-335**

T10S R22E Section 4      2032 FNL 580 FEL

NBU-335 is located on a gentle northwest slope of a small butte. A small ridge trending east-west is present on the southern edge of the proposed well pad. Sandstone and siltstone cobbles cover about 50% of the surface. Soils are mostly tan silty loams overlying the sandstone bedrock. There are very few sand dune accumulations in small patches of one meter in diameter. These dunes have been highly disturbed by rodent activities and reveal no evidence of buried cultural remains. Vegetation is predominantly the sagebrush community and ground visibility is 50-80%. The proposed road access alignment extends about 150 meters east to an existing road. The pipeline runs about 150 meters northwest to an existing pipeline.

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### Files Search

A file search was requested from the Cultural Records Office of the Utah State Historic Preservation Office on July 7, 1998. A second file search was conducted at the Bureau of Land Management (BLM), Vernal District Office on August 18, 1998. The file search results are summarized in Table 2. Twenty-one inventories were previously conducted within the project areas. All projects included both linear and block surveys as all projects were well and access roads.

Four sites have been previously recorded. Three of the sites remain unevaluated and one is not eligible for the National Register of Historic Places. None of the four sites are located in the proposed well or access areas. Previously recorded 42UN1792 is located over a half mile northeast of the proposed NBU-332 location. 42UN657, 42UN1895 and 42UN1852 are all located several hundred meters northeast of proposed well locations CIGE 242-33-9-22 and CIGE 243-33-9-22.

### Methods

The ten proposed Coastal Oil & Gas Company well locations, access roads and pipelines were plotted on USGS 7.5' quadrangle maps then surveyed for any cultural resources. The access roads and proposed pipelines were investigated by walking two zigzag transects, one on each side of the center stakes, so that a total coverage of 50 feet on each side of the center stakes was inventoried. The well location was covered as a ten-acre block centered on the well center stake and oriented to the cardinal directions. The well pad area was investigated by walking parallel transects with spacing between transects no more than fifteen meters. A few zones within the project areas had received disturbance from rodent activities or heavy erosion. These areas were carefully inspected for signs of buried deposits. One isolated find was observed within the proposed road access to CIGE-242-33-9-22.

### Results

One isolated find (IF-1) was observed in the proposed access road location for CIGE 242-33-9-22, about 120 meters west of the well pad location. The isolated find consisted one black chert primary flake. The isolated find is not considered eligible for inclusion on the NRHP. No previously recorded cultural resources are found in the project areas. Visibility and conditions for site discovery were adequate at the time of

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Table 2.  
Files Search Summary

(T/R/sec) Legals	Project Description	Project Type	Consultant	Result(NRHP)
10S/21E/3	Coastal NBU-101	lineal/block	MM	----
10S/21E/3	Coastal CIGE-135	lineal/block	MM	----
10S/21E/3	Coastal CIGE-166-3-10-21	lineal/block	MM	----
10S/21E/3	Colo. Interstate F-362	lineal/block	MM	----
10S/21E/10	Coastal CIGE-139	lineal/block	MM	42UN1792(U)
10S/21E/10	Coastal CIGE-151-10-10-21	lineal/block	MM	----
10S/21E/10	Coastal NBU-179	lineal/block	MM	----
10S/21E/21	Bitter Creek Gas Field	lineal/block	AERC	----
9S/22E/33	Coastal NBU-138-A	lineal/block	MM	42UN657(U) 42UN1852(U)
9S/22E/33	Coastal CIGE-152-33-9-22	lineal/block	MM	----
9S/22E/33	Coastal NBU-173	lineal/block	MM	42UN1895(NE)
9S/22E/33	Coastal CIGE-174	lineal/block	MM	----
9S/22E/33	Colo. Interstate F-364	lineal/block	MM	----
9S/22E/33	Coastal NBU-112	lineal/block	MM	----
10S/22E/4	Coastal NBU-209	lineal/block	MM	----
10S/22E/4	Coastal NBU-67	lineal/block	MM	----
10S/22E/4	Coastal NBU-147	lineal/block	MM	----
10S/22E/4	Coastal NBU-148	lineal/block	MM	----
10S/22E/4	Coastal NBU-170	lineal/block	MM	----
10S/22E/4	Coastal NBU-208	lineal/block	MM	----
10S/22E/4	Colo. Interstate F-359	lineal/block	MM	----

## Consultants:

AERC Archaeological-Environment Resource Corp.  
MM Metcalf Archaeological Consultants, Inc.

## NRHP eligibility:

NE not eligible  
E eligible(SHPO  
conurrence)  
U unvaluated

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survey. Cultural resource clearance is recommended for all ten proposed well pads, access roads and pipelines, as staked at the time of survey. No further work is recommended.

### References Cited

Hintze, L.

1980 Geologic Map of Utah. Dept. of Natural Resources, Utah Geological and Mineral Survey, Salt Lake City.

Stokes, M.

1977 Physiographic Subdivisions of Utah. Dept. of Natural Resources, Utah Geological and Mineral Survey, Salt Lake City.

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**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/16/2000

API NO. ASSIGNED: 43-047-33735

WELL NAME: NBU 327  
 OPERATOR: COASTAL OIL & GAS CORP ( N0230 )  
 CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:  
 SWSE 33 090S 220E  
 SURFACE: 0720 FSL 1465 FEL  
 BOTTOM: 0720 FSL 1465 FEL  
 UINTAH  
 NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1-Federal  
 LEASE NUMBER: U-01191  
 SURFACE OWNER: 1-Federal

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

Plat  
 Bond: Fed[1] Ind[] Sta[] Fee[]  
 (No. U-605382-9 )

Potash (Y/N)  
 Oil Shale (Y/N) \*190 - 5 (B)  
 Water Permit  
 (No. 43-8496 )

RDCC Review (Y/N)  
 (Date: \_\_\_\_\_ )

Fee Surf Agreement (Y/N)

LOCATION AND SITING:

         R649-2-3. Unit Natural Buttes  
         R649-3-2. General  
 Siting: \_\_\_\_\_  
         R649-3-3. Exception  
 Drilling Unit  
 Board Cause No: 173-14  
 Eff Date: 12-2-99  
 Siting: 460' fr. Unit Boundary & Uncomm. Tract.

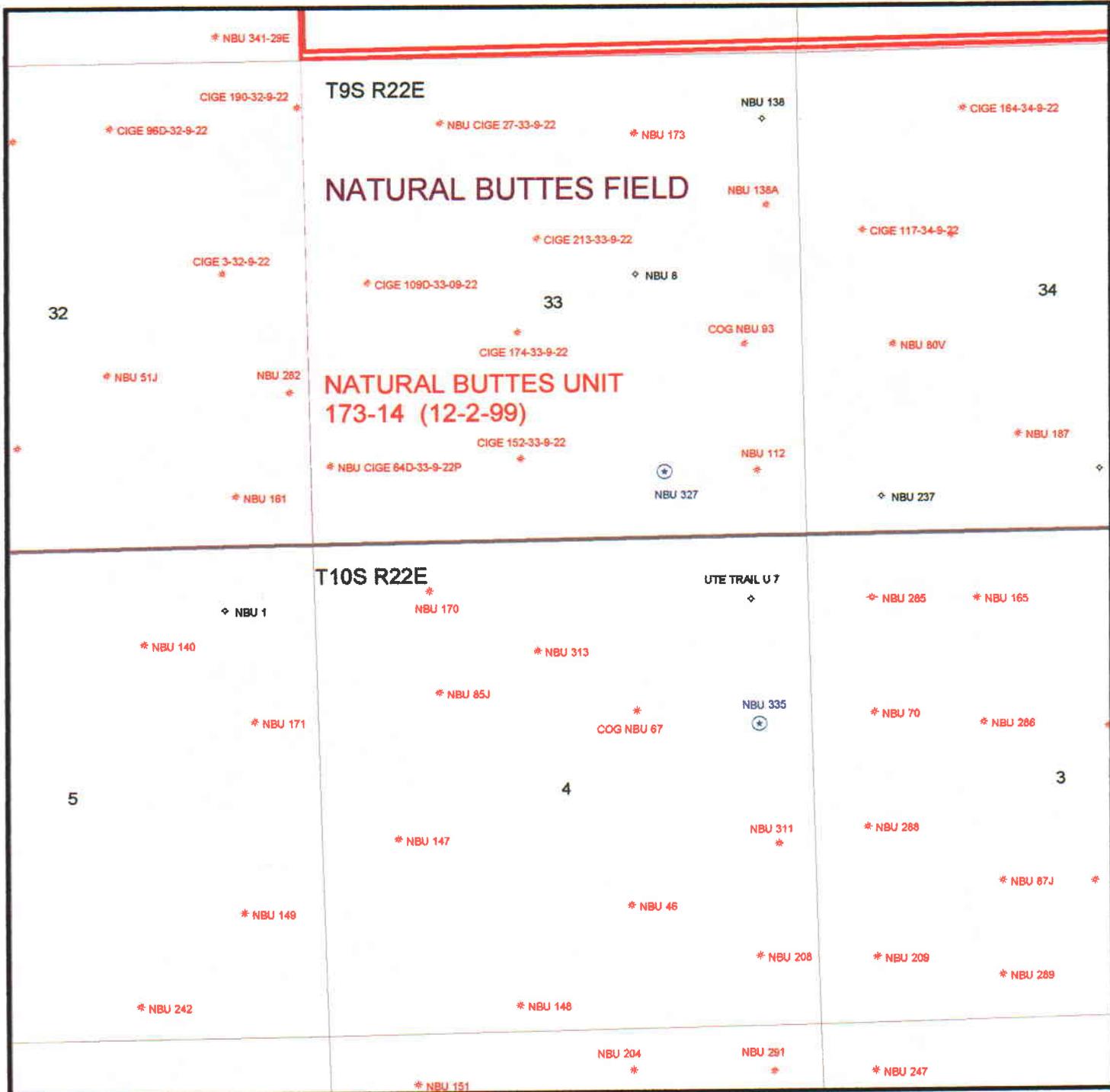
         R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

STIPULATIONS: ① FEDERAL APPROVAL  
② OIL SHALE  
 \_\_\_\_\_  
 \_\_\_\_\_



OPERATOR: COASTAL O&G CORP (N0230)  
 FIELD: NATURAL BUTTES (630)  
 SEC. 33, T9S, R22E,  
 COUNTY: UINTAH UNIT: NATURAL BUTTES  
 CAUSE: 173-14





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

Michael O. Leavitt  
Governor

Kathleen Clarke  
Executive Director

Lowell P. Braxton  
Division Director

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

October 30, 2000

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

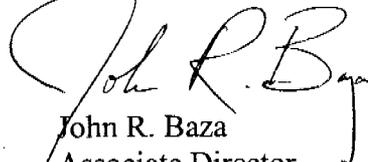
Re: Natural Buttes Unit 327 Well, 720' FSL, 1465' FEL, SW SE, Sec. 33, T. 9 South,  
R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33735.

Sincerely,



John R. Baza  
Associate Director

er

Enclosures

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

**Operator:** Coastal Oil and Gas Corporation  
**Well Name & Number** Natural Buttes Unit 327  
**API Number:** 43-047-33735  
**Lease:** U-01191

**Location:** SW SE      **Sec.** 33      **T.** 9 South      **R.** 22 East

### Conditions of Approval

1. General  
Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.
2. Notification Requirements  
Notify the Division within 24 hours of spudding the well.
  - Contact Carol Daniels at (801) 538-5284.  
Notify the Division prior to commencing operations to plug and abandon the well.
  - Contact Dan Jarvis at (801) 538-5338
  - Contact Robert Krueger at (801) 538-5274.
3. Reporting Requirements  
All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.
4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.
5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

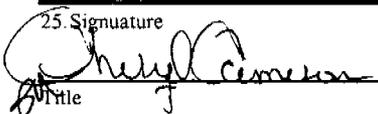
**APPLICATION FOR PERMIT TO DRILL OR REENTER**

1a. Type of Work <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>U-01191</b>	
1b. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>N/A</b>	
2. Name of Operator <b>Coastal Oil &amp; Gas Corporation</b>		7. Unit or CA Agreement Name and No. <b>Natural Buttes Unit</b>	
3a. Address <b>P.O. Box 1148, Vernal, UT 84078</b>		8. Lease Name and Well No. <b>NBU #327</b>	
3b. Phone No. (include area code) <b>(435)-781-7023</b>		9. API Well No. <b>N/A</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface <b>SW SE</b> At proposed prod. zone <b>720'FSL &amp; 1465'FEL</b>		10. Field and Pool, or Exploratory <b>Natural Buttes Unit</b>	
14. Distance in miles and direction from nearest town or post office* <b>27.8 Miles Northeast of Ouray, Utah</b>		11. Sec., T., R., M., or Blk. and Survey or Area <b>Sec 33-T9S-R22E</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) <b>720'</b>		12. County or Parish <b>Uintah</b>	
16. No. of Acres in lease <b>1041.78</b>		13. State <b>Utah</b>	
17. Spacing Unit dedicated to this well <b>N/A</b>		18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>Refer to Topo "C"</b>	
19. Proposed Depth <b>6500'</b>		20. BLM/BIA Bond No. on file <b>U-605382-9</b>	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5109.7' Ungraded GR</b>		22. Approximate date work will start* <b>Upon Approval</b>	
		23. Estimated duration <b>To Be Determined</b>	

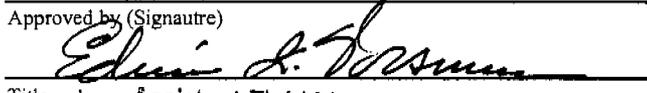
**24. Attachments**

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

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

25. Signature 	Name (Printed/Typed) <b>Cheryl Cameron</b>	Date <b>10/11/00</b>
---	---	-------------------------

**Sr. Regulatory Analyst**

Approved by (Signature) 	Name (Printed/Typed) <b>EDWIN I. FORSMAN</b>	Date <b>12/19/00</b>
Title <b>acting Assistant Field Manager Mineral Resources</b>	Office <b>NOTICE OF APPROVAL</b>	

Application approval 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.  
Conditions of approval, if any, are attached.

**CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on Reverse)

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL .

Company/Operator: Coastal Oil & Gas Corporation

Well Name & Number: NBU 327

API Number: 43-047-33735

Lease Number: U-01191

Location: SWSE Sec. 33 T. 09S R. 22E

Agreement: Natural Buttes Unit

### CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at 1,163 ft.

**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

-The reserve pit topsoil shall be piled separate from the location topsoil.

-The location topsoil pile will be seeded immediately after the soil is piled by broadcasting the seed mix identified in the APD, then walking the topsoil pile with the dozer to plant the seed.

All poundages are in Pure Live Seed.

-The subsoil which is piled on the location is for the construction of tank dikes. **Topsoil will not be used for the construction of tank dikes.**

-Once the reserve pit is dry, it shall be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.

-If vertebrate fossils are encountered during the construction of the well pad, the project paleontologist must be notified immediately to evaluate the discovery before construction continues.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well  
 Oil Well     Gas Well     Other

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

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)  
**SW/SE 720' FSL & 1465' FEL  
Section 33 - T9S - R22E**

5. Lease Serial No.  
**U-01191**

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

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

8. Well Name and No.  
**Natural Buttes Unit 327**

9. API Well No.  
**43-047-33735**

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

11. County or Parish, State  
**Uintah, 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"/> 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 <b>Spud</b>
	<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 recomple 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 recomple 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.

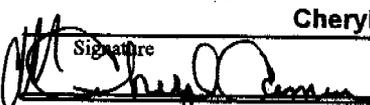
**Spud well @ 10am 02/21/01 w/Bill Jr. Rathole Drilling.**  
**Drill 12 1/4" hole to 258'. RIH w/251' 8 5/8" 24# K-55 csg.**  
**Cmt w/140 sx PPG w/2% CaCl2, 1/4# sk Flocele, weight 15.6 ppg, yield 1.18.**  
**Drop plug. Displace w/14.6 BBLS H2O. 6 BBLS cmt to surface.**

**RECEIVED**

**MAR 05 2001**

**DIVISION OF  
OIL, GAS AND MINING**

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

Name (Printed/Typed) <b>Cheryl Cameron</b>	Title <b>Senior Regulatory Analyst</b>
Signature 	Date <b>February 26, 2001</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.

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

OPERATOR Coastal Oil & Gas Corp.  
 ADDRESS P.O. Box 1148  
Vernal, UT 84078  
(435) 781-7023

OPERATOR ACCT. NO. N 0230

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	2900	43-047-33735	Natural Buttes Unit 327	SW/SE	33	9S	22E	Uintah	2/21/01	2/21/01

WELL 1 COMMENTS:  
 Spud 02/21/01 at 10am with Bill Jr. RatHole Drilling  
 3-5-01

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

WELL 2 COMMENTS:

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

WELL 3 COMMENTS:

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

WELL 4 COMMENTS:

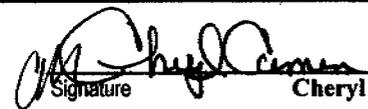
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

- 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.  
 (3/89)

**RECEIVED**  
 MAR 05 2001  
 DIVISION OF  
 OIL, GAS AND MINING

  
 Signature Cheryl Cameron  
 Cheryl Cameron  
 Senior Regulatory Analyst 02/26/01  
 Title Date  
 Phone No. (435) 781-7023

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 to re-enter an  
abandoned well. Use Form 3160-3 (APD) for such proposals

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

<b>SUBMIT IN TRIPLICATE - Other Instructions on reverse side</b>		5. Lease Serial No. U-01191
1. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator COASTAL OIL & GAS CORPORATION CONTACT: CHERYL CAMERON OPERATIONS EMAIL: Cheryl.Cameron@CoastalCorp.com		7. If Unit of CA Agreement, Name and No. NATL BUTTES UNIT
3a. Address P.O. BOX 1148 VERNAL, UT 84078	3b. Phone No. (include area code) TEL: 435.781.7023 EXT: FAX: 435.789.4436	8. Lease Name and Well No. NATURAL BUTTES UNIT #327
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T9S R22E SWSE 720FSL 1465FEL		9. API Well No. 4304733735
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, State UINTAH, UT

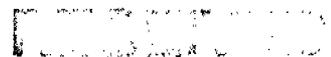
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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"/> 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"/> PRODUCTION START-UP	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give the 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 the BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of involved operations. If the operation results in 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.)

WELL PLACED ON PRODUCTION 03/29/01

REFER TO ATTACHED CHRONOLOGICAL WELL HISTORY



APR 05 2001

DIVISION OF  
OIL, GAS AND LEASING

Name (Printed/Typed)	Title
Signature Cheryl Cameron	Date 4/2/01

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

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

ELECTRONIC SUBMISSION #3338 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR COASTAL OIL & GAS CORPORATION SENT TO THE VERNAL FIELD OFFICE

THE TRASSAL CORPORATION  
PRODUCTION REPORT  
CHRONOLOGICAL HISTORY

Page 1

NBU 327

LOC. SEC, 33, T9S, R22E  
UINTAH COUNTY, UT  
PBTD: 6074' PERFS:  
CSG: 4 1/2", 11.6#, K-55 LT&C @ 6117' 8/8THS  
AFE DESCR. DRILL, COMPLETE & EQUIP, AFE: 051758

- 3/27/01 **PREP TO PERF & FRAC**  
PROG: MIRU. PU & RIH W/3 7/8" MILL TO PBTD @ 6071'. PICKLE TBG. SPOT 7 BBLs 15% HCL ACROSS PERF INTERVAL. RIH TO PERF BUT UNABLE TO CORRELATE COLLARS TO DSI-CNL-GR. RUN GR-CCL LOG FROM 6946'-4350'. GR DOES NOT CORRELATE TO SCHLUMBERGERS DSI-CNL-GR LOGS. TAKE TO VERNAL TO ANALYZE.
- 3/28/01 **PREP TO DO CBP'S**  
PROG: ALL PERF GUNS 3 3/8", 4 SPF, 23 GR, 0.43" EHD, 90 DEG PHASING. ALL CBP'S 4 1/2"X11.6# 5K HALLIBURTON. MIRU DOWELL & CUTTERS. HOLD SAFETY MEETING. TST SURF 6180#.  
STAGE 1: PERF WASATCH, 5958'-5966' (32 HOLES). BRK DN PERFS W/2503# @ 4 BPM. ISIP: 572#, FG: .53. PMP 485 BBL YF113ST, 43,500# 20/40 SD W/PROP NET IN LAST 10% SD. ISIP: 1245#, FG: .64, NET PRESS INC OF 673#. MTP: 2426#, MTR: 26 BPM, ATP: 1536#, ATR: 21.4 BPM.  
STAGE 2: RIH. SET CBP #1 @ 5910'. PERF 5670'-76' (24 HOLES). BRK DN PERFS W/1987# @ 4.2 BPM. ISIP: 1200#, FG: .65, PMP 430 BBL YF113ST, 38000# 20/40 SD W/PROP NET IN LAST 10% SD. ISIP: 2426#, FG: .86, NET PRESS INC OF 1226#. MTP: 3300#, MTR: 25.3 BPM, ATP: 2644#, ATR: 23.2 BPM.  
STAGE 3: RIH. SET CBP #2 @ 5630'. PERF 5590'-5600' (40 HOLES). BRK DN PERFS W/4200# @ 3.4 BPM. ISIP: 1050#, FG: .62. PMP 463 BBL YF113ST, 42000# 20/40 SD W/PROP NET IN LAST 10% SD. ISIP: 1172#, FG: .64, NET PRESS INC OF 122#. MTP: 2829#, MTR: 25.1 BPM, ATP: 2520#, ATR: 22.7 BPM.  
STAGE 4: RIH. SET CBP #3 @ 5542'. PERF WASATCH 2 SPF FROM 5470'-80', 20 HOLES; 5432'-34', 4 HOLES; & 5410'-16', 12 HOLES. BRK DN W/4200# @ 4.3 BPM. ISIP: 513#, FG: 0.53. FRAC W/97,420# 20/40 SD W/PROP NET IN LAST 10% SD & 980 BBLs YF113ST LIQ GEL. ISIP: 1373#, FG: 0.69, NET PRESS INC: 860#, MTP: 2312#, ATP: 1888#, MTR: 35.1 BPM, ATR: 32.6 BPM. RIH & SET CBP @ 5200'. RIH W/MILL TOOTH BIT TO 4000'.
- 3/29/01 **PREP TO PLACE ON SALES**  
PROG: DO CBP'S @ 5200', 5542', 5650', & 5910'. RIH & TAG SD @ 5985'. CO TO PBTD @ 9071'. PU & LAND TBG @ 5897', SN @ 5862'. OPEN TO FLOW BACK TANK ON 48/64" CHK. FLOW BACK 11 HRS. CP: 550# TO 320#, FTP: 190# TO 100#, 16 BWPH TO 5 BWPH, LIGHT SD TO TRACE. TLTR: 2508 BBLs, TLR: 384 BBLs, LLTR: 2124 BBLs.
- 3/30/01 **PLACE ON SALES**  
PROG: TURN TO SALES @ 8:30 AM. SPOT PROD DATA: FTP: 85#, CP: 320#, 2 BWPH, 355 MCFPD, 64/64" CHK.

**ATTACHMENT LIST**

To view a specific attachment click on the "File Name".

To remove an attachment that has either changed or failed to convert properly click the "Remove this attachment" button.

Date Received	Conversion Status	File Name	Description	
3/30/01	CONVERT	Chronos.doc	NBU327 CHRONO	N/A

# Well Information System

## Final Submission Confirmation

You have saved a FINAL version of a Sundry Notice, which will be sent to the BLM.

Current status of Transaction Number 3338:

Sundry Notice Type: **SUBSEQUENT REPORT-PRODUCTION START-UP**  
Date Sent: **3/30/01**  
Current status of submission: **RECVD**  
Sent to BLM office: **Vernal**  
Lease number: **U-01191**  
Submitted attachments: **1**  
Well name(s) and number(s):  
**NATURAL BUTTES UNIT #327**

To use this Sundry Notice to file another  [click here.](#)

To view or print this Sundry Notice, [click here.](#)

To add new attachments for this Sundry Notice, [click here.](#)

To view or remove attachments previously submitted for this Sundry Notice, [click here.](#)

To return to the Previous Submissions screen, [click here.](#)

To return to the Operator Main Menu, [click here.](#)

Form 3160-4  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

FORM APPROVED  
OMB No. 1004-0137  
Expires November 30, 2000

5. Lease Serial No.  
**U-01181**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
**NBU #327**

9. API Well No.  
**4304733735**

10. Field and Pool, or Exploratory  
**NATURAL BUTTES**

11. Sec., T., R., M., on Block and Survey or Area  
**Sec 33 T9S R22E UBM**

12. County or Parish  
**UINTAH**

13. State  
**UT**

14. Date Spudded  
**2/21/01**

15. Date T.D. Reached  
**3/17/01**

16. Date Completed **3/29/01**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**5109 GL**

18. Total Depth: MD **6117** TVD

19. Plug Back T.D.: MD **6071** TVD

20. Depth Bridge Plug Set: MD TVD

21. Type Bleers & Other Mechanical Logs Run (Submit copy of each)  
**DSI-CNL-GR CBL-CCL-GR-3-30-01 GR/Correlation Log-4-6-01**

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit report)  
Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in Well)

Hole Size	Size/Grade	Wt.(#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	8.625 K-55	24		250		140			
7.875	4.6 K-55	11.8		6117		995			

24. Tubing Record

Size	Depth Set(MD)	Packer Depth(MD)	Size	Depth Set(MD)	Packer Depth(MD)	Size	Depth Set(MD)	Packer Depth(MD)
2.375	5897							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5958	5966	5958 To 5966		32	
B) WASATCH	5670	5676	5670 To 5676		24	
C) WASATCH	5590	5600	5590 To 5600		40	
D) WASATCH	5410	5480	5410 To 5480		36	

**RECEIVED**

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
5410 To 5480	FRAC W/97420 20/40SD W/PROP NET & 980 BBLs YF113ST
5590 To 5600	PMP 463 BBLs YF113ST 42000 20/40 SD W/PROP NET
5670 To 5676	PMP 430 BBLs YF113ST 38000 20/40 SD W/PROP NET
5958 To 5966	PMP 485 BBLs YF113ST 43500 20/40 SD W/PROP NET

APR 17 2001

DIVISION OF  
OIL, GAS AND MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/29/01	3/30/01	24	→	0	185	52			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. 70 SI	Csg. Press. 315	24 Hr. Rate →	Oil BBL 0	Gas MCF 185	Water BBL 52	Gas:Oil Ratio	Well Status	PRODUCING GAS WELL

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/29/01	3/30/01	24	→	0	185	52			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. 70 SI	Csg. Press. 315	24 Hr. Rate →	Oil BBL 0	Gas MCF 185	Water BBL 52	Gas:Oil Ratio	Well Status	PRODUCING GAS WELL

(See instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #3567 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR COASTAL OIL & GAS CORPORATION SENT TO THE VERNAL FIELD OFFICE

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/29/01	3/30/01	24	→	0	185	52			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 70 SI	Csg. Press. 315	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64/64	SI	315	→	0	185	52		PRODUCING GAS WELL	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/29/01	3/30/01	24	→	0	185	52			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. 70 SI	Csg. Press. 315	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64/64	SI	315	→	0	185	52		PRODUCING GAS WELL	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER WASATCH	1345 4708

32. Additional remarks (include plugging procedure):

1. PERF WASATCH 5958'-5968' (32 HOLES) PMP 485 BBLs YF113ST, 43500# 20/40 SD W/PROP NET IN LAST 10% SD.
2. PERF WASTACH 5970'-76 (24 HOLES) PMP 430 BBLs YF113ST, 38000# 20/40 SD W/PROP NET IN LAST 10% SD.
3. PERF WASATCH 5590'-5600' (40 HOLES) PMP 483 BBLs YF113ST, 42000# 20/40 SD W/PROP NET IN LAST 10% SD.
4. PERF WASATCH 5470'-80' (20 HOLES); 5432'-34' (4 HOLES); 5410'-16' (12 HOLES) FRAC W/97420# 20/40 SD W/PROP NET IN LAST 10% SD & 980 BBLs YF113ST LIQUID/GEL.

33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Name (please print) Cheryl Cameron Title Regulatory Analyst

Signature Cheryl Cameron Date 4/10/01

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

ELECTRONIC SUBMISSION #3567 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR COASTAL OIL & GAS CORPORATION SENT TO THE VERNAL FIELD OFFICE

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ COUNTY: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____ STATE: UTAH		8. WELL NAME and NUMBER: Exhibit "A"
PHONE NUMBER: 435-789-4433		9. API NUMBER:
		10. FIELD AND POOL, OR WILDCAT:

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

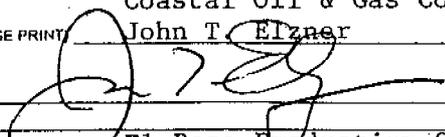
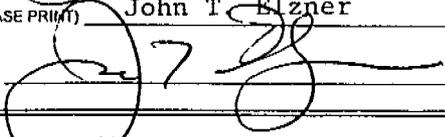
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input 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 	DATE 06-15-01
El Paso Production Oil & Gas Company	
NAME (PLEASE PRINT) John T. Elzner	TITLE Vice President
SIGNATURE 	DATE 06-15-01

(This space for State use only)

**RECEIVED**

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
Office of the Secretary of State

---

PAGE 1

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

RECEIVED

JUN 1 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*  
\_\_\_\_\_  
David L. Siddall  
Vice President

Attest:

*Margaret E. Roark*  
\_\_\_\_\_  
Margaret E. Roark, Assistant Secretary

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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

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JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

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

JUL 10 2001

### NOTICE

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

#### Name Change Recognized

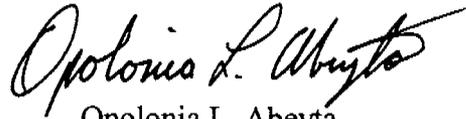
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

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

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

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

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



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

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

Exhibit of Leases

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

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

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

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** Merger

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

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

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

**CA No.**

**Unit: NATURAL BUTTES**

**WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
NBU CIGE 152-33-9-22	43-047-32068	2900	33-09S-22E	FEDERAL	GW	P
NBU 173	43-047-32116	2900	33-09S-22E	FEDERAL	GW	P
NBU 138A	43-047-32151	2900	33-09S-22E	FEDERAL	GW	P
CIGE 174-33-9-22	43-047-32323	2900	33-09S-22E	FEDERAL	GW	P
CIGE 213-33-9-22	43-047-32933	2900	33-09S-22E	FEDERAL	GW	P
<b>NBU 327</b>	43-047-33735	2900	33-09S-22E	FEDERAL	GW	P
NBU CIGE 25-34-9-22	43-047-30737	2900	34-09S-22E	FEDERAL	GW	P
NBU CIGE 89D-34-9-22J	43-047-31146	2900	34-09S-22E	FEDERAL	GW	P
NBU 80V	43-047-31240	2900	34-09S-22E	FEDERAL	GW	P
CIGE 117-34-9-22	43-047-31928	2900	34-09S-22E	FEDERAL	GW	P
NBU 113	43-047-31931	2900	34-09S-22E	FEDERAL	GW	P
NBU 187	43-047-32230	2900	34-09S-22E	FEDERAL	GW	P
CIGE 164-34-9-22	43-047-32353	2900	34-09S-22E	FEDERAL	GW	P
CIGE 212-34-9-22	43-047-32938	2900	34-09S-22E	FEDERAL	GW	P
NBU 4-35B	43-047-30273	2900	35-09S-22E	FEDERAL	GW	P
CIGE 8-35-9-22	43-047-30427	2900	35-09S-22E	FEDERAL	GW	P
NBU CIGE 68D-35-9-22P	43-047-30951	2900	35-09S-22E	FEDERAL	GW	P
CIGE 118-35-9-22P	43-047-32025	2900	35-09S-22E	FEDERAL	GW	P
CIGE 153-35-9-22	43-047-32067	2900	35-09S-22E	FEDERAL	GW	P
NBU 331-35E	43-047-32147	2900	35-09S-22E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter 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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Serial No. UTU-01191
2. Name of Operator EL PASO PRODUCTION Contact: CHERYL CAMERON E-Mail: Cheryl.Cameron@CoastalCorp.com	6. If Indian, Allottee or Tribe Name N/A
3a. Address P.O. BOX 1148 VERNAL, UT 84078	7. If Unit or CA/Agreement, Name and/or No. NATURAL BUTTES
3b. Phone No. (include area code) Ph: 435.781.7023 Fx: 435.789.4436	8. Well Name and No. NBU 327
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T9S R22E Mer SWSE 720FSL 1465FEL	9. API Well No. 43-047-33735
	10. Field and Pool, or Exploratory NATURAL BUTTES
	11. County or Parish, and 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 checked="" type="checkbox"/> Water Disposal	

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

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

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

**RECEIVED**  
SEP 04 2001  
DIVISION OF  
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #6831 verified by the BLM Well Information System For EL PASO PRODUCTION, sent to the Vernal**

Name (Printed/Typed) CHERYL CAMERON	Title OPERATIONS
Signature 	Date 08/29/2001

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***



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.

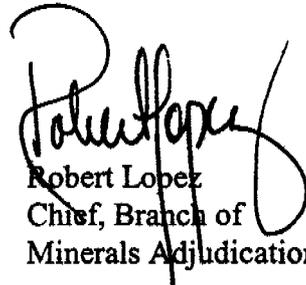
For our purposes, the name change is recognized effective December 31, 2001.

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)



IN REPLY REFER TO:  
Real Estate Services

## United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Washington, D.C. 20240

FEB 10 2003

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,

A handwritten signature in cursive script, appearing to read "Terry L. Brown".

Director, Office of Trust Responsibilities

**ACTING**

Enclosure

# 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

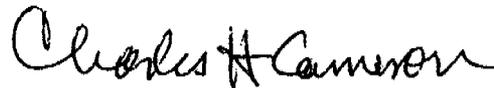
We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval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

JAN. 17. 2003 3:34PM

PORT

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

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

February 27, 2003

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

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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:  
**9 Greenway Plaza Houston TX 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	

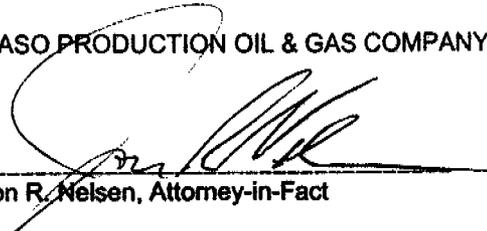
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

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

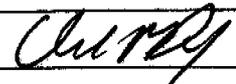
By:   
Jon R. Nelsen, Attorney-in-Fact

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)

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 [x] 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. (435) 781-7023
4. Location of Well 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 UTAH COUNTY, UT

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

Table with columns TYPE OF SUBMISSION and TYPE OF ACTION. Includes checkboxes for Notice of Intent, Subsequent Report, Final Abandonment Notice, Acidize, Alter Casing, Change Plans, Convert to Injection, Deepen, Fracture Treat, New Construction, Plug and Abandon, Plug Back, Production (Start/Resume), Reclamation, Recomplete, Temporarily Abandon, Water Disposal, Water Shut-Off, Well Integrity, Other.

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration then...

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...

RECEIVED MAR 04 2003

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

Name (Printed/Typed) CHERYL CAMERON

Title OPERATIONS

Signature [Handwritten Signature]

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...

Office

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

(Instructions on reverse)

DIV. OF OIL, GAS & MINING

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW /
3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

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

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

**CA No. Unit: NATURAL BUTTES**

**WELL(S)**

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
CIGE 3-32-9-22	32-09S-22E	43-047-30320	2900	STATE	GW	P
CIGE 173-32-9-22	32-09S-22E	43-047-32324	2900	STATE	GW	P
NBU 161	32-09S-22E	43-047-32023	2900	STATE	GW	P
CIGE 152-33-9-22	33-09S-22E	43-047-32068	2900	FEDERAL	GW	P
NBU 173	33-09S-22E	43-047-32116	2900	FEDERAL	GW	P
NBU 138	33-09S-22E	43-047-32012	2900	FEDERAL	GW	PA
NBU 138A	33-09S-22E	43-047-32151	2900	FEDERAL	GW	P
COG NBU 93-33E	33-09S-22E	43-047-31753	2900	FEDERAL	GW	P
CIGE 109D-33-9-22	33-09S-22E	43-047-31754	2900	FEDERAL	GW	P
NBU CIGE 27-33-9-22	33-09S-22E	43-047-30738	2900	FEDERAL	GW	P
NBU CIGE 64D-33-9-22P	33-09S-22E	43-047-30950	2900	FEDERAL	GW	P
NBU 112	33-09S-22E	43-047-31930	2900	FEDERAL	GW	P
CIGE 174-33-9-22	33-09S-22E	43-047-32323	2900	FEDERAL	GW	P
CIGE 213-33-9-22	33-09S-22E	43-047-32933	2900	FEDERAL	GW	P
NBU 327	33-09S-22E	43-047-33735	2900	FEDERAL	GW	P
CIGE 242	33-09S-22E	43-047-34022	99999	FEDERAL	GW	APD
CIGE 266	33-09S-22E	43-047-34386	99999	FEDERAL	GW	APD
CIGE 212-34-9-22	34-09S-22E	43-047-32938	2900	FEDERAL	GW	P
NBU 113	34-09S-22E	43-047-31931	2900	FEDERAL	GW	P
NBU CIGE 25-34-9-22	34-09S-22E	43-047-30737	2900	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

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

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

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: N/A

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

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 03/18/2003

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

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.  
Multiple 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

**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

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

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

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

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

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped.

The average NBU well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached.

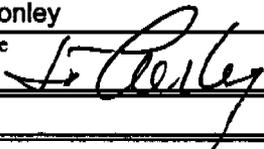
Westport Oil & gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

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

Name (Printed/Typed)

J.T. Conley

Signature



COPY SENT TO OPERATOR  
Date: 9-16-03  
Initials: JTC Date

Operations Manager

9-2-2003

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.

**Westport Oil & Gas, L.P.**  
**Project Economics Worksheet**

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

Project Name: **Condensate Shrinkage Economics**

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

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
<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 \$	830/840	\$0
Total \$		\$1,200

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

**Production & OPX Detail:**

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

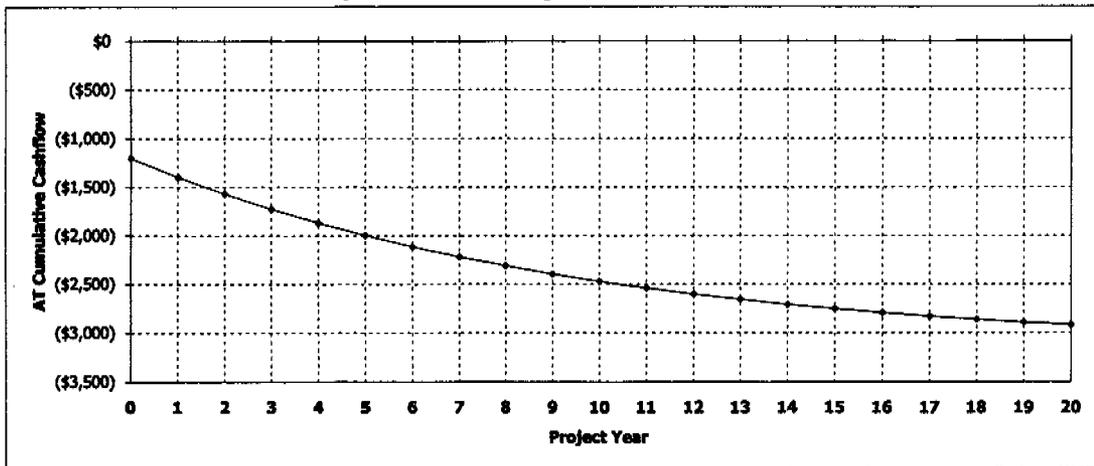
Payout =  Years or  Days

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

**Notes/Assumptions:**

An average NBU well produces 0.192 Bopd with no tank pressure. The production is increased to 0.194 Bopd if 4 ops 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

NBU 200	20-9-21 SENE	U00070	891008900A	430473300900S1	✓
NBU 261	30-9-21 SENW	UTU0581	891008900A	430473292800S1	✓
NBU 262	33-9-21 NEN	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	430473290700S1	✓
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 NESW	ML22935A	891008900A	430473320400S1	✓
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**

<b>ROUTING</b>
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:		<b>1/6/2006</b>
<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 BUTTES UNIT					
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- b. If **NO**, the operator was contacted on:
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- 5c. Reports current for Production/Disposition & Sundries on: ok
- 6. Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
- 7. Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- 8. Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 9. Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input 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 <b>CHANGE OF OPERATOR</b>
	<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.

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 5/16/06**

*Earlene Russell*  
**Division of Oil, Gas and Mining  
 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

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

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

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

3a. Address **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.

**MULTIPLE 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.

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) <b>BRAD LANEY</b>	Title <b>ENGINEERING SPECIALIST</b>
Signature	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by <i>Brad Laney</i>	Title	Date <b>5-9-06</b>
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  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

#### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.

Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

**Attachment:**

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	8. Well Name and No. NBU 327
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE Contact: SHEILA UPCHEGO Email: sheila.upchegeo@anadarko.com	9. API Well No. 43-047-33735
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	10. Field and Pool, or Exploratory NATURAL BUTTES
3b. Phone No. (include area code) Ph: 435-781-7024	11. County or Parish, and State UINTAH COUNTY, UT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 33 T9S R22E SWSE 720FSL 1465FEL	

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

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

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

THE OPERATOR REQUESTS AUTHORIZATION TO PLUG AND ABANDON THE SUBJECT WELL LOCATION. THE SUBJECT WELL LOCATION IS ON TEMPORARILY ABANDON STATUS ON 11/04/2008. THE OPERATOR PROPOSES TO PLUG AND ABANDON THE SUBJECT WELL LOCATION TO DRILL THE NBU 921-330T A TWIN LOCATION ON THE EXISITING WELL SITE.

PLEASE REFER TO THE ATTACHED PLUG AND ABANDON PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 1.12.2009  
Initials: KS

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #65893 verified by the BLM Well Information System  
For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature <i>[Signature]</i>	Date 12/29/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

* Approved By <i>[Signature]</i>	Title <i>Pet Eng</i>	Date <i>1/12/09</i>
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 <i>DOG</i>	Federal Approval Of This Action Is Necessary

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

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

*An additional 200' plug shall be balance across the base of the parachute creek member from 2700' to 2500' in accordance with Cause 190-5(b).*

**RECEIVED**  
**DEC 31 2008**  
DIV. OF OIL GAS & MINING

NBU 327  
 720' FSL & 1465' FEL  
 SWSE SEC. 33, T9S, R22E  
 Uintah County, UT

KBE:	5125'	API NUMBER:	43-047-33735
GLE:	5110'	LEASE NUMBER:	U-01191
TD:	6117'	WI:	100.0000%
PBTD:	6071'	NRI:	83.202949%

**CASING:** 12 1/4" hole  
 8.625" 24# K-55 @ 250' GL  
 Cemented w/ 140 sx PPG (1.18 yield). Circ +/- 6 BC to surface. Hole stayed full.  
 TOC @ Surface.

7.875" hole  
 4 1/2" 11.6# K-55 @ 6117'  
 Cemented production string w/ 480 sx Hilift lead (3.83 yield) and 635 sx 50/50  
 Poz tail (yield 1.27). TOC @ 1630' by CBL.

**TUBING:** 2.375" 4.7# J-55 tubing landed at 5897'

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	0.1626	0.02173	0.00387
4 1/2" 11.6# K-55	3.875	4960	5350	0.6528	0.0872	0.01554
8.625" 24# K-55	7.972	1780	2950	2.6749	0.3575	0.0636
<b>Annular Capacities</b>						
2.375" tbg. X 4.5 11.6# csg				0.4226	0.0565	0.01006
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
4.5" csg X 8 5/8" 24# csg				1.8487	0.2471	0.04401

**GEOLOGIC INFORMATION:**

Formation	Depth to top, ft.
Uinta	Surface
Green River	1447'
Mahogany	2276'
Wasatch	4425'

**Tech. Pub. #92 Base of USDW's**

USDW Elevation	~1400' MSL
USDW Depth	~3725' KBE

**PERFORATIONS:**

Formation	Date	Top	Bottom	SPF	Status
Wasatch	3/28/01	5410	5416	2	Open
Wasatch	3/28/01	5432	5434	2	Open
Wasatch	3/28/01	5470	5480	2	Open
Wasatch	3/28/01	5590	5600	4	Open
Wasatch	3/28/01	5670	5676	4	Open
Wasatch	3/28/01	5958	5968	4	Open

**WELL HISTORY:**

- Spud Well on 2/21/2001
- Mar 2001 - Perforated gross Wasatch interval f/ 5410' – 5966'. Frac down casing w/ Dowell, 2358 bbl gel & 220,920# 20/40 sand.
- 1<sup>st</sup> Sales on 3/29/2001 – 185 MCFD, 52 BW, 0 BC, FTP 70#, CP 315#
- No subsequent work has been performed on this well.

**REMARKS:**

- Land - The lease is committed to the NB unit. The NBU 327 has been producing from the Was/MV formations. OK to plug. Jason Rayburn 10/28/08.
- Geology - Minimal additional potential in the wellbore. Any remaining Wasatch potential can be exploited from the twin well. OK to P&A. Ben Kessel 11/17/08
- Green River Geology - OK to P&A. No behind pipe Green River potential identified. No openhole porosity logs over the Green River. Out of the main Green River producing trend. Location is not suitable for Birds Nest SWD due to TDS < 10,000 ppm in the area. S.P. Kelly 11/19/2008
- Reservoir Engineering - The subject Wasatch well is currently producing 130 Mcfd, 0 Bwpd. The well will be plugged in conjunction with drilling the Twin NBU 922-33OT and three other Pad wells, currently not scheduled for Spud. The 082QNGL Forecast (082QNGL) showed Remaining Reserves of 127 MMcf. The plan is to capture these reserves and any additional Wasatch potential in the Twin at a future date.
- Operations Engineering - Ok to P&A. Production potential will be captured in twin well. Bennie Allen 11/19/08

## **NBU 327 PLUG & ABANDONMENT PROCEDURE**

### **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.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.

### **P&A PROCEDURE**

**Note: An estimated 218 sx Class "G" cement needed for procedure, (1) 4 ½" CIBP & (1) 4 ½" CICR**

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 AND PREP FOR GYRO SURVEY.
3. RUN GYRO SURVEY.
4. PLUG #1, ISOLATE WASATCH PERFORATIONS (5410' – 5966'): RIH W/ 4 ½" TBG SET CIBP. SET @ ~5360'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE 4 SX CMT (4.36 CUFT). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
5. PLUG #2, WASATCH TOP (4425'); PUH TO ~4525'. BRK CIRC W/ FRESH WATER. DISPLACE 16 SX (17.44 CUFT.) AND BALANCE PLUG W/ TOC @ ~4325' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
6. PLUG #3, BASE OF USDW (~3725'): PUH TO ~3825'. BRK CIRC W/ FRESH WATER. DISPLACE 16 SX (17.44 CUFT.) AND BALANCE PLUG W/ TOC @ ~3625' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
7. PLUG #4, MAHOGANY TOP (2276'): PUH TO ~2376'. BRK CIRC W/ FRESH WATER. DISPLACE 16 SX (17.44 CUFT.) AND BALANCE PLUG W/ TOC @ ~2176' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
8. PLUG #5, GREEN RIVER TOP (1447'): POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ ~1547' W/ 4 SPF. PU & RIH W/ 4 ½" CICR, SET @ ~1347'. RIH W/ TBG & STING INTO CICR & SQUEEZE PERFS W/ A MINIMUM OF 61 SX (69.3 CUFT.). STING OUT OF CICR AND SPOT 4 SX (4.36 CUFT.) CMT ON TOP OF CICR. BRK CIRC W/ FRESH WATER. REVERSE CIRCULATE W/ 10 PPG BRINE.
9. PLUG #6, SURFACE CSG SHOE (265' KB) & SURFACE HOLE: POOH W/ TBG. RIH W/ WIRELINE, PERFORATE @ 315' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP 101 SX CMT (114.77 CUFT.), OR SUFFICIENT VOLUME TO FILL 4 ½" CSG & ANNULUS TO SURFACE.
10. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
11. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU01191

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
UTU63047A

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
NBU 327

2. Name of Operator Contact: ANDY LYTLE  
KERR-MCGEE OIL&GAS ONSHORE, LP Email: andrew.lytle@anadarko.com

9. API Well No.  
43-047-33735

3a. Address  
P.O. BOX 173779  
DENVER, CO 80217

3b. Phone No. (include area code)  
Ph: 720-929-6100

10. Field and Pool, or Exploratory  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 33 T9S R22E SWSE 720FSL 1465FEL

11. County or Parish, and 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"/> 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
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple 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 recomple 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.)

THE OPERATOR SUBMITTED A NOTICE OF INTENT SUNDRY REQUESTING TO PLUG AND ABANDON THE SUBJECT WELL ON 12/29/2008.

THE OPERATOR REQUESTS THAT THIS SUNDRY NOTICE BE RESCINDED. THIS WELL HAS BEEN RETURNED TO PRODUCTION AND IS CURRENTLY PRODUCING.

THANK YOU.

*( Production started 8/2010) ctd  
see attached*

**RECEIVED**  
**OCT 13 2010**

DIV. OF OIL, GAS & MINING

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

**Electronic Submission #94203 verified by the BLM Well Information System  
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (Printed/Typed) ANDY LYTLE

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/06/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_

Title

Date

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

Office

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

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\***



<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-01191
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<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 327
------------------------------------	--

<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047337350000
---	---

<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
---	--	--

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0720 FSL 1465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 33 Township: 09.0S Range: 22.0E Meridian: S	<b>COUNTY:</b> Uintah  <b>STATE:</b> Utah
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/11/2010  <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"/> <b>TEMPORARY ABANDON</b> <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 NBU 922-330T WELL LOCATION. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.

**Accepted by the Utah Division of Oil, Gas and Mining**  
  
**Date:** November 10, 2010  
**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> 11/8/2010

NBU 327  
 720' FSL & 1465' FEL  
 SWSE SEC. 33, T9S, R22E  
 Uintah County, UT

KBE:	5125'	API NUMBER:	4304733735
GLE:	5110'	LEASE NUMBER:	U-01191
TD:	6117'	WI:	100.0000%
PBTD:	6071'	NRI:	81.49445%
		WINS:	71919

**CASING:** 12 1/4" hole  
 8.625" 24# K-55 @ 250' GL  
 Cemented w/ 140 sx PPG (1.18 yield). Circ +/- 6 BC to surface. Hole stayed full. TOC @ Surface.

7.875" hole  
 4 1/2" 11.6# K-55 @ 6117'  
 Cemented production string w/ 480 sx Hilift lead (3.83 yield) and 635 sx 50/50 Poz tail (yield 1.27). TOC @ 1630' by CBL.

**TUBING:** 2.375" 4.7# J-55 tubing landed at 5897'

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	0.1626	0.02173	0.00387
4 1/2" 11.6# K-55	3.875	4960	5350	0.6528	0.0872	0.01554
8.625" 24# K-55	7.972	1780	2950	2.6749	0.3575	0.0636
<b>Annular Capacities</b>						
2.375" tbg. X 4.5 11.6# csg				0.4226	0.0565	0.01006
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
4.5" csg X 8 5/8" 24# csg				1.8487	0.2471	0.04401

**GEOLOGIC INFORMATION:**

<b>Formation</b>	<b>Depth to top, ft.</b>
Uinta	Surface
Green River	1447'
Mahogany	2276'
Wasatch	4425'

**Tech. Pub. #92 Base of USDW's**

USDW Elevation	~1400' MSL
USDW Depth	~3725' KBE

**PERFORATIONS:**

Formation	Date	Top	Bottom	SPF	Status
Wasatch	3/28/01	5410	5416	2	Open
Wasatch	3/28/01	5432	5434	2	Open
Wasatch	3/28/01	5470	5480	2	Open
Wasatch	3/28/01	5590	5600	4	Open
Wasatch	3/28/01	5670	5676	4	Open
Wasatch	3/28/01	5958	5966	4	Open

## NBU 327 TEMPORARY ABANDONMENT PROCEDURE

### 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 24 HOURS BEFORE MOVING ON LOCATION.

### PROCEDURE

Note: An estimated 29 sx Class "G" cement needed for procedure

Note: Gyro ran to 3400' on 1/14/09

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
3. **PLUG #1, ISOLATE WASATCH PERFORATIONS (5410' - 5966')**: RIH W/ 4 ½" CBP. SET @ ~5360'. 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 (~5310'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, WASATCH TOP (~4425')**: PUH TO ~4525'. BRK CIRC W/ FRESH WATER. DISPLACE **16 SX / 3.1 BBL / 17.44 CUFT.** AND BALANCE PLUG W/ TOC @ ~4325' (2005' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ 10 PPG BRINE.
5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER AGENCY GUIDELINES.
6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 11/4/10

<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-01191
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<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 327
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 720' FSL & 1465' FEL  
 SWSE SEC. 33, T9S, R22E  
 Uintah County, UT

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ALM 11/4/10

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

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**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
UTU63047A

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
NBU 327

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE

Contact: ANDY LYTLE  
Email: andrew.lytle@anadarko.com

9. API Well No.  
43-047-33735-00-S1

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

3b. Phone No. (include area code)  
Ph: 720-929-6100

10. Field and Pool, or Exploratory  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

THE OPERATOR SUBMITTED A NOTICE OF INTENT SUNDRY REQUESTING TO PLUG AND ABANDON THE SUBJECT WELL ON 12/29/2008.

THE OPERATOR REQUESTS THAT THIS SUNDRY NOTICE BE RESCINDED. THIS WELL HAS BEEN RETURNED TO PRODUCTION AND IS CURRENTLY PRODUCING.

THANK YOU.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
For Record Only

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

Electronic Submission #94203 verified by the BLM Well Information System  
For KERR MCGEE OIL & GAS ONSHORE L, sent to the Vernal  
Committed to AFMSS for processing by GAIL JENKINS on 10/07/2010 (11GXJ0095SE)

Name (Printed/Typed) ANDY LYTLE

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 10/06/2010

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By JAMES H SPARGER

Title ACTING, AFM FOR MINERAL RESOURCES

Date 11/18/2010

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 Vernal

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

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

RECEIVED

DEC 08 2010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU01191

6. If Indian, Allottee or Tribe Name

**SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

7. If Unit or CA/Agreement, Name and/or No.  
UTU63047A

8. Well Name and No.  
NBU 327

9. API Well No.  
43-047-33735-00-S1

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE

Contact: ANDY LYTLE  
Email: andrew.lytle@anadarko.com

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

3b. Phone No. (include area code)  
Ph: 720-929-6100

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 33 T9S R22E SWSE 720FSL 1465FEL

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

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

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THANK YOU.

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Utah Division of  
Oil, Gas and Mining  
For Record Only

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**Electronic Submission #94203 verified by the BLM Well Information System  
For KERR MCGEE OIL & GAS ONSHORE L, sent to the Vernal  
Committed to AFMSS for processing by GAIL JENKINS on 10/07/2010 (11GXJ0095SE)**

Name (Printed/Typed) ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 10/06/2010

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By JAMES H SPARGER Title ACTING, AFM FOR MINERAL RESOURCES Date 11/18/2010

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 Vernal

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

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED

**RECEIVED**

**DEC 08 2010**

**DIV. OF OIL, GAS & MINING**

<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-01191
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<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 327
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047337350000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0720 FSL 1465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 33 Township: 09.0S Range: 22.0E 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"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/29/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input 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 temporary abandonment operations on the subject well location on 12/29/2010. This well was temporarily abandoned in order to the drill the NBU 922-330T well. Please see the attached chronological well history.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 01/04/2011

<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> 1/3/2011	

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

Well: NBU 327		Spud Date: 2/21/2001	
Project: UTAH-UINTAH		Site: NBU 327	Rig Name No: WESTERN WELLSITE/UNK
Event: ABANDONMENT		Start Date: 12/28/2010	End Date: 12/29/2010
Active Datum: RKB @0.00ft (above Mean Sea Level)		UWI: NBU 327	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
12/28/2010	10:00 - 17:00	7.00	ABAND	47	A			RIG UP PUMP 50 BLS TPW TO KILL WELL ND WH NU BOPE PULL TUBING HANGER OUT RIG UP TUBING INSPECTION TOOL TOH/INSPEC 181 JOINTS LAID DOWN SN PU 3.7/8 BIT TIH/TUBING TO 5400' TOH/ TUBING LAID DOWN BIT SWI SDFN  178 GOOD JOINTS 3 BAD JOINTS
12/29/2010	7:00 - 17:00	10.00	ABAND	51	D			HSM JSA. ROAD TO LOCATION PU 4.1/2 CIBP TIH/TUBING SET PLUG AT 5362 PHO/ 10' PUMP WATER TO FULL WELL PRESURE TEST CASING AT 500 PSI TEST GOOD PUMP 4 SXS TOH/TUBING TO 4517' PUMP 16 SXS TOH/TUBING ND BOPE RIG DOWN MOVE OUT.

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: U-01191
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<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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 327
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047337350000
--	----------------------------------

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0720 FSL 1465 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSE Section: 33 Township: 09.0S Range: 22.0E Meridian: S	COUNTY: UINTAH  STATE: UTAH
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/20/2015  <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the NBU 327 well. Please see the attached procedure for details. Thank you.

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

Date: June 04, 2015

By: *Derek Duff*

NAME (PLEASE PRINT) Kristina Geno	PHONE NUMBER 720 929-6824	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 5/19/2015

**NBU 327**  
**720' FSL & 1465' FEL**  
**SWSE SEC. 33, T9S, R22E**  
**Uintah County, UT**

<b>KBE:</b>	5125'	<b>API NUMBER:</b>	43-047-33735
<b>GLE:</b>	5110'	<b>LEASE NUMBER:</b>	U-01191
<b>TD:</b>	6117'	<b>WI:</b>	100.0000%
<b>PBTD:</b>	6071'	<b>NRI:</b>	83.202949%

**CASING:** 12 1/4" hole  
8.625" 24# K-55 @ 250' GL  
Cemented w/ 140 sx PPG (1.18 yield). Circ +/- 6 BC to surface. Hole stayed full.  
TOC @ Surface.

7.875" hole  
4 1/2" 11.6# K-55 @ 6117'  
Cemented production string w/ 480 sx Hilift lead (3.83 yield) and 635 sx 50/50  
Poz tail (yield 1.27). TOC @ 1720' by CBL.

**TUBING:** No tubing in the well. The well was T&A'd with 2 cement plugs on 12/29/2010.

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	0.1626	0.02173	0.00387
4 1/2" 11.6# K-55	3.875	4960	5350	0.6528	0.0872	0.01554
8.625" 24# K-55	7.972	1780	2950	2.6749	0.3575	0.0636
<b>Annular Capacities</b>						
2.375" tbg. X 4.5 11.6# csg				0.4226	0.0565	0.01006
4.5" csg X 7.875 borehole				1.7052	0.2276	0.0406
4.5" csg X 8 5/8" 24# csg				1.8487	0.2471	0.04401

#### **GEOLOGIC INFORMATION:**

<b>Formation</b>	<b>Depth to top, ft.</b>
Uinta	Surface
Green River	1288'
Birds Nest	1601
Mahogany	2102'
Parachute	2913
Wasatch	4703

**SS- 144 Base of BMSW**  
**BMSW Depth** ~2500' KBE

**PERFORATIONS:**

Formation	Date	Top	Bottom	SPF	Status
Wasatch	3/28/01	5410	5416	2	Open
Wasatch	3/28/01	5432	5434	2	Open
Wasatch	3/28/01	5470	5480	2	Open
Wasatch	3/28/01	5590	5600	4	Open
Wasatch	3/28/01	5670	5676	4	Open
Wasatch	3/28/01	5958	5966	4	Open

**WELL HISTORY:**

- Spud Well on 2/21/2001
- Mar 2001 - Perforated gross Wasatch interval f/ 5410' – 5966'. Frac down casing w/ Dowell, 2358 bbl gel & 220,920# 20/40 sand.
- 1<sup>st</sup> Sales on 3/29/2001 – 185 MCFD, 52 BW, 0 BC, FTP 70#, CP 315#
- 12/28-29/2010 - T&A'd the well for pad development. POOH and L/D prod tubing. TIH with tbg to 5400'. **Perforations isolation**; P/U CIBP and set @ 5362'. Picked up 10' and filled entire hole with water. Pressure tested casing to 500 psi (tested good). Pumped 4 sxs cement (53') from ±5362'-5309'. **Wasatch Top isolation**: PUH to 4517' and pumped 16 sxs cement (210') from ±4517'-4307'. POOH and laydown tubing and RDMOL.

## **NBU 327 PLUG & ABANDONMENT PROCEDURE**

### **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.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBL FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.

### **P&A PROCEDURE**

**Note: An estimated 182 sxs Class "G" cement needed for procedure  
THERE IS NO TUBING IN THE WELL.**

NO GYRO IS NEEDED. IT WAS RUN TO 3400' (1/9/2014)

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE AND MAKE A GAUGE RING RUN TO TAG CEMENT INSTALLED DURING T&A PROCEDURE IN 12/29/2010 (TOC SHOULD BE @ ±4307').

**NOTE: DURING T&A PROCESS 12/29/2010 THE PERFORATIONS AND WASATCH WERE ISOLATED (SEE ABOVE WELL HISTORY)**

3. RIH W/ 4 ½" TBG TO TOC TAGGED WITH WIRELINE IN STEP 2. PUH 10', BRK CIRC W/ FRESH WATER. CIRCULATE ENTIRE HOLE W/ TREATED FRESH WATER. PRESSURE TEST CASING. TOOH TO 2913'
1. **PLUG #1, PROTECT BASE OF PARACHUTE (~2913') & BMSW (2500')**: SET A BALANCED CEMENT PLUG FROM 2913' – 2388 (525' COVERAGE) WITH **(40 SXS / 45.8 CUFT / 8.2 BBL)**.
2. **PLUG #2, PROTECT MAHOGANY (~2102')**: SET A BALANCED CEMENT PLUG FROM 2102' – 1997 (105' COVERAGE) WITH **(8 SXS / 9.16 CUFT / 1.6 BBL)**.
3. **PLUG #3, PROTECT TOP OF BIRD'S NEST (~1601'); TOC ±1720'**: PERFORATE CASING @ 1601' AND TRY TO PUMP INTO. IF YOU **CAN'T** PUMP INTO, SET A BALANCE PLUG FROM **1601' – 1496** (105' COVERAGE) WITH **(8 SXS / 9.16 CUFT / 1.6 BBL)**. IF YOU **CAN** PUMP INTO, POOH AND PICK UP A CIRC. RIH WITH CIRC & SET @ 1551'. ESTABLISH PUMP IN RATE AND PUMP **A TOTAL OF 30 SXS CEMENT; 26 SXS CEMENT BELOW CIRC** (PROVIDES 100' PLUS 10% IN 4 ½"X 7 7/8" ANNULUS PLUS 50' CEMENT IN CASING BELOW CIRC TO PERFS). UNSTING FROM CIRC AND PUMP **4 SXS CEMENT. TOC @ 1496' IN CASING**).
4. **PLUG #4, PROTECT TOP OF GREEN RIVER (1288')**: PERFORATE CASING @ 1288' AND TRY TO PUMP INTO. IF YOU **CAN'T** PUMP INTO, SET A BALANCE PLUG FROM **1288' – 1183** (105' COVERAGE) WITH **(8 SXS / 9.16 CUFT / 1.6 BBL)**. IF YOU **CAN** PUMP INTO, POOH AND PICK UP A CIRC. RIH WITH CIRC & SET @ 1238'. ESTABLISH PUMP IN RATE AND PUMP **A TOTAL OF 30 SXS CEMENT; 26 SXS CEMENT BELOW CIRC** (PROVIDES 100' PLUS 10% IN 4 ½"X 7 7/8" ANNULUS PLUS 50' CEMENT IN CASING BELOW CIRC TO PERFS). UNSTING FROM CIRC AND PUMP **4 SXS CEMENT. TOC @ 1183' IN CASING**.

5. **PLUG #5, FILL SURFACE HOLE & ANNULUS:** POOH. PERF CASING @ 250' AND PUMP A MIN OF **74 SXS / 84.7 CUFT / 15.1 BBLs** / OR SUFFICIENT VOLUME TO FILL 4 ½" CASING AND 4.5" X 8.625" ANNULUS F/ 100' TO SURFACE.
4. CUT OFF WELLHEAD AND INSTALL MARKER PER GUIDELINES.
5. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB.

RBM – 5/18/15

<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-01191	
<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>1. TYPE OF WELL</b> Gas Well	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>8. WELL NAME and NUMBER:</b> NBU 327
<b>PHONE NUMBER:</b> 720 929-6100	<b>9. API NUMBER:</b> 43047337350000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0720 FSL 1465 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SWSE Section: 33 Township: 09.0S Range: 22.0E 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"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/13/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 327 well. Please see the operations summary report for details. Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 July 21, 2015**

<b>NAME (PLEASE PRINT)</b> Jennifer Thomas	<b>PHONE NUMBER</b> 720 929-6808	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 7/17/2015	

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 327		Spud date: 2/21/2001	
Project: UTAH-UINTAH		Site: NBU 327	
Event: ABANDONMENT		Start date: 7/6/2015	
Active datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 327	
		Rig name no.: ROCKY MOUNTAIN WELL SERVICE 1/1	
		End date: 7/13/2015	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
7/9/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM-JSA
	7:15 - 17:00	9.75	ABANDP	31	H	P		MOVE RIG & EQUIP FROM NBU 920-221, MIRU, SPOT EQUIP, PU NOTCH COLLAR RIH W/ 168 JTS TBG TAG TOC @ 5330', POOH LD 1 JT TBG REV CIRC BTMS UP, PRESS TEST CSG TO 600 PSI (GOOD TEST), POOH LD 19 JTS TBG EOT @ 4709', SWI, SDFN.
7/10/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM-JSA
	7:15 - 14:20	7.08	ABANDP	51	D	P		MIRU PRO PETRO CMT CREW.  ALL PLUGS WILL BE CLASS G NEAT CMT.  PLUG #1 EOT @ 4709' PMP 2.5 BBLS FRESH WTR, 16 SX CMT, DISP W/ 1 BBL FRESH WTR & 16.4 BBLS TMAC, POOH LD 56 JTS TBG.  PLUG #2 EOT @ 2933' PMP 2.5 BBLS FRESH WTR, 40 SX CMT, DISP W/ 1 BBL FRESH WTR & 8.2 BBLS TMAC, POOH LD 26 JTS TBG.  PLUG #3 EOT @ 2106' PMP 2.5 BBLS FRESH WTR, 10 SX CMT, DISP W/ 1 BBL FRESH WTR & 6.6 BBLS TMAC, POOH LD 18 JTS TBG, STD BK 48 JTS.  MIRU CASED HOLE SOLUTIONS PU GUN RIH PERF 4 HOLES @ 1601', POOH W/ WL.  PU CICR RIH W/ 48 JTS TBG & 10' PUP JT SET @ 1547'.  PLUG #4 PMP 5 BBLS FRESH WTR, 26 SX CMT, UNSTING PMP 4 SX CMT ON RET, DISP W/ 1 BBL FRESH WTR & 4 BBLS TMAC, POOH LD PUP JT & 10 JTS TBG, STD BK 38 JTS.  RU WL PU GUN RIH PERF 4 HOLES @ 1288', POOH W/ WL.  PU CICR RIH W/ 38 JTS TBG SET @ 1220'  PLUG #5 PMP 5 BBLS FRESH WTR, 26 SX CMT, UNSTING PMP 4 SX CMT ON RET, DISP W/ 1 BBL FRESH WTR & 2.8 BBLS TMAC, POOH LD 38 JTS TBG.  RU WL PU GUN RIH PERF 4 HOLES @ 300' RDMO WL.  PMP 80 BBLS TMAC W/ NO RET @ SURFACE, PMP 100 SX CMT, DISP W/ 5 BBLS FRESH WTR. RDMO RIG WHILE WAITING ON CMT
	14:20 - 17:20	3.00	ABANDP	46	B	P		

US ROCKIES REGION  
**Operation Summary Report**

Well: NBU 327

Spud date: 2/21/2001

Project: UTAH-UINTAH

Site: NBU 327

Rig name no.: ROCKY MOUNTAIN WELL SERVICE  
1/1

Event: ABANDONMENT

Start date: 7/6/2015

End date: 7/13/2015

Active datum: RKB @0.00usft (above Mean Sea Level)

UWI: NBU 327

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	17:20 - 18:00	0.67	ABANDP	51	D	P		PMP 80 BBLS FRESH WTR W/ NO RET TO SURFACE, RDMO PRO PETRO, LETTING CMT CURE FOR WEEKEND.
7/13/2015	7:00 - 7:15	0.25	ABANDP	48		P		HSM, PUMPING CEMENT
	7:15 - 9:00	1.75	ABANDP	51	A	P		PUMP 150 SKS CEMENT, GOT RETURNS TO SURFACE, ROUSTABOUTS DUG CELLAR RING OUT, CUT BRAIDEN HEAD OFF, CEMENT TO SURFACE, WELDED MARKER PLATE ON, BURIED HOLE.