

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 <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>U-01196-C</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>	3b. Phone No. (include area code) <b>(435)-781-7023</b>	8. Lease Name and Well No. <b>NBU #343</b>
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface <b>NW NE</b> At proposed prod. zone <b>903'FNL &amp; 1754'FEL</b>		9. API Well No. <b>N/A 43-047-33719</b>
14. Distance in miles and direction from nearest town or post office* <b>23.6 Miles Southeast of Ouray, Utah</b>		10. Field and Pool, or Exploratory <b>Natural Buttes Field</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) <b>903'</b>	16. No. of Acres in lease <b>400</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>Section 8-T10S-R22E</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>7100'</b>	12. County or Parish <b>Uintah</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5186.6' Ungraded GR</b>	22. Approximate date work will start* <b>Upon Approval</b>	13. State <b>Utah</b>
20. BLM/BIA Bond No. on file <b>U-605382-9</b>		17. Spacing Unit dedicated to this well <b>N/A</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>9/26/00</b>
<b>Federal Approval of BLM Action is Necessary</b>		
Title <b>Sr. Regulatory Analyst</b>	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>12/19/00</b>
Approved by (Signature) 	Office <b>RECLAMATION SPECIALIST III</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.

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)

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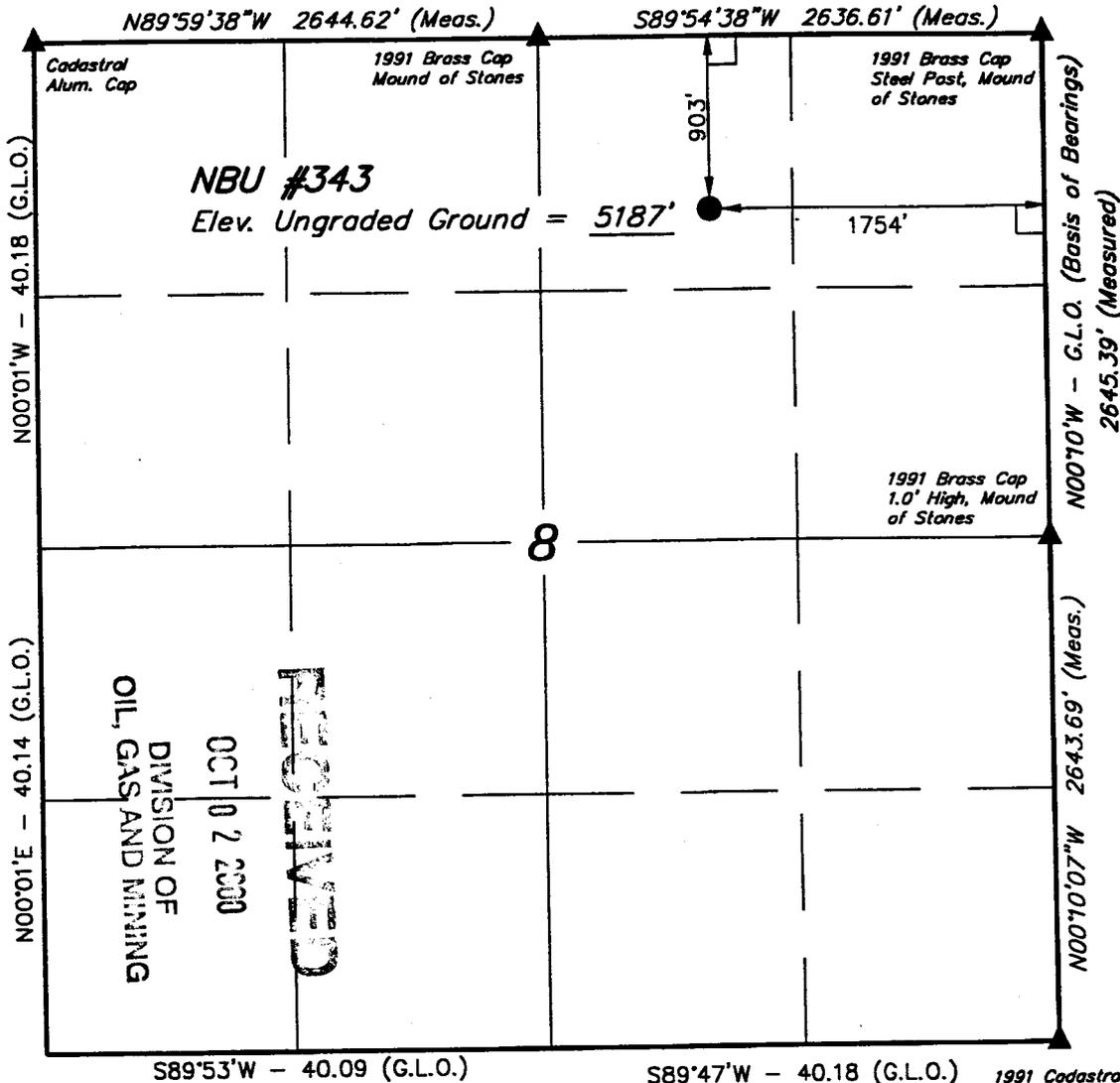
OCT 02 2000

DIVISION OF  
OIL, GAS AND MINING

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

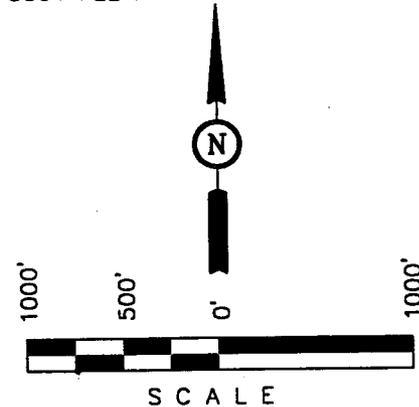
## COASTAL OIL & GAS CORP.

Well location, NBU #343, located as shown in the NW 1/4 NE 1/4 of Section 8, T10S, 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, UNITAH 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.

No. 161319  
**ROBERT KAY**  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

### UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 10-28-98	DATE DRAWN: 11-04-98
PARTY J.F. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE COASTAL OIL & GAS CORP.	

**Natural Buttes Unit #343  
NW/NE Sec. 10, T10S,R22E  
UINTAH COUNTY, UTAH  
U-01196-C**

**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	1050'
Wasatch	4340'
TD	6600'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1050'
Gas	Wasatch	4340'
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.*

**7. Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 6600' TD, approximately equals 2,640 psi (calculated at 0.4 psi/foot). Maximum anticipated surface pressure equals approximately 1,188 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

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8. Anticipated Starting Dates:

*Drilling is planned to commence immediately upon approval of this application.*

9. Variances:

*Please see Natural Buttes Unit SOP.*

10. Other Information:

*Please see Natural Buttes Unit SOP.*

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**Natural Buttes Unit #343  
NW/NE Sec. 10, T10S, R22E  
UINTAH COUNTY, UTAH  
U-01196-C**

**ONSHORE ORDER NO. 1**

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

An onsite inspection was conducted for the NBU #343 on 9/14/00, for the subject well.

**1. Existing Roads:**

The proposed well site is approximately 23.6 miles southeast 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 a 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 5.6 miles to the junction of this road and an existing road to the southeast; proceed in southeasterly then easterly direction approximately 0.6 miles to the beginning of the proposed access to the north; follow road flags in a northerly direction approximately 0.4 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.

**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.

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**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).

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

As per previous onsite discussions, a reserve pit liner will be required.

**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:

Shadscale	4 lbs.
Gardena Salt Brush	4 lbs.
Seep Black Sage	4 lbs.

**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

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**12. Other Information:**

A Class III archaeological survey was conducted by Metcalf Archaeological Consultants. A copy of this report was submitted directly to the appropriate agencies by Metcalf Archaeological Consultants.

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

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

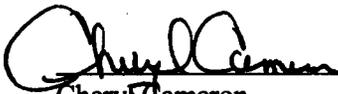
Tom Young  
Drilling Manager  
Coastal Oil & Gas Corporation  
9 Greenway Plaza, Suite 2770  
Houston, TX 77046  
(713) 418-4156

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

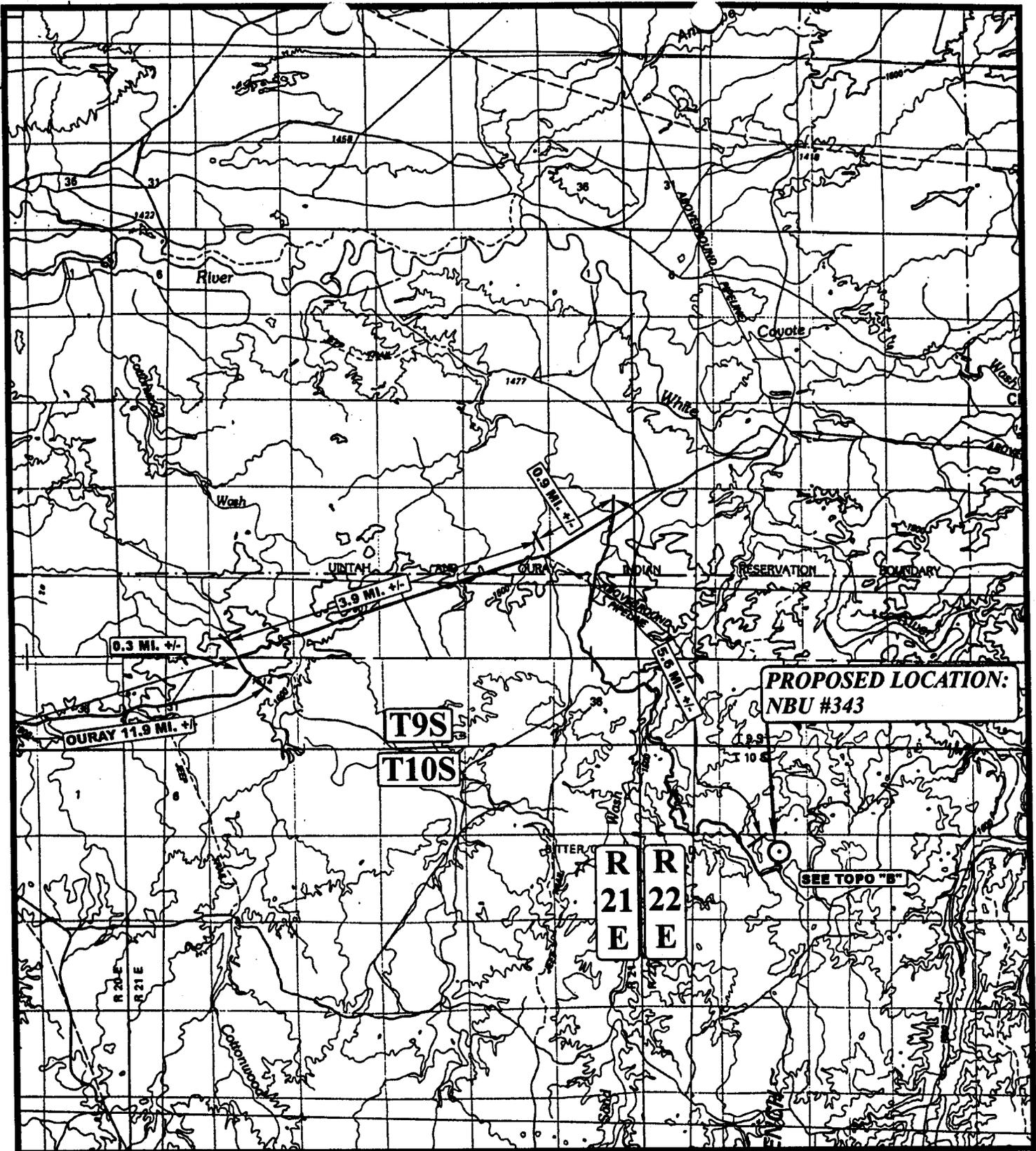
9/26/00

Date

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**LEGEND:**

⊙ PROPOSED LOCATION

**COASTAL OIL & GAS CORP.**

NBU #343

SECTION 8, T10S, R22E, S.L.B.&M.

903' FNL 1754' FEL



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



**TOPOGRAPHIC**  
**MAP**

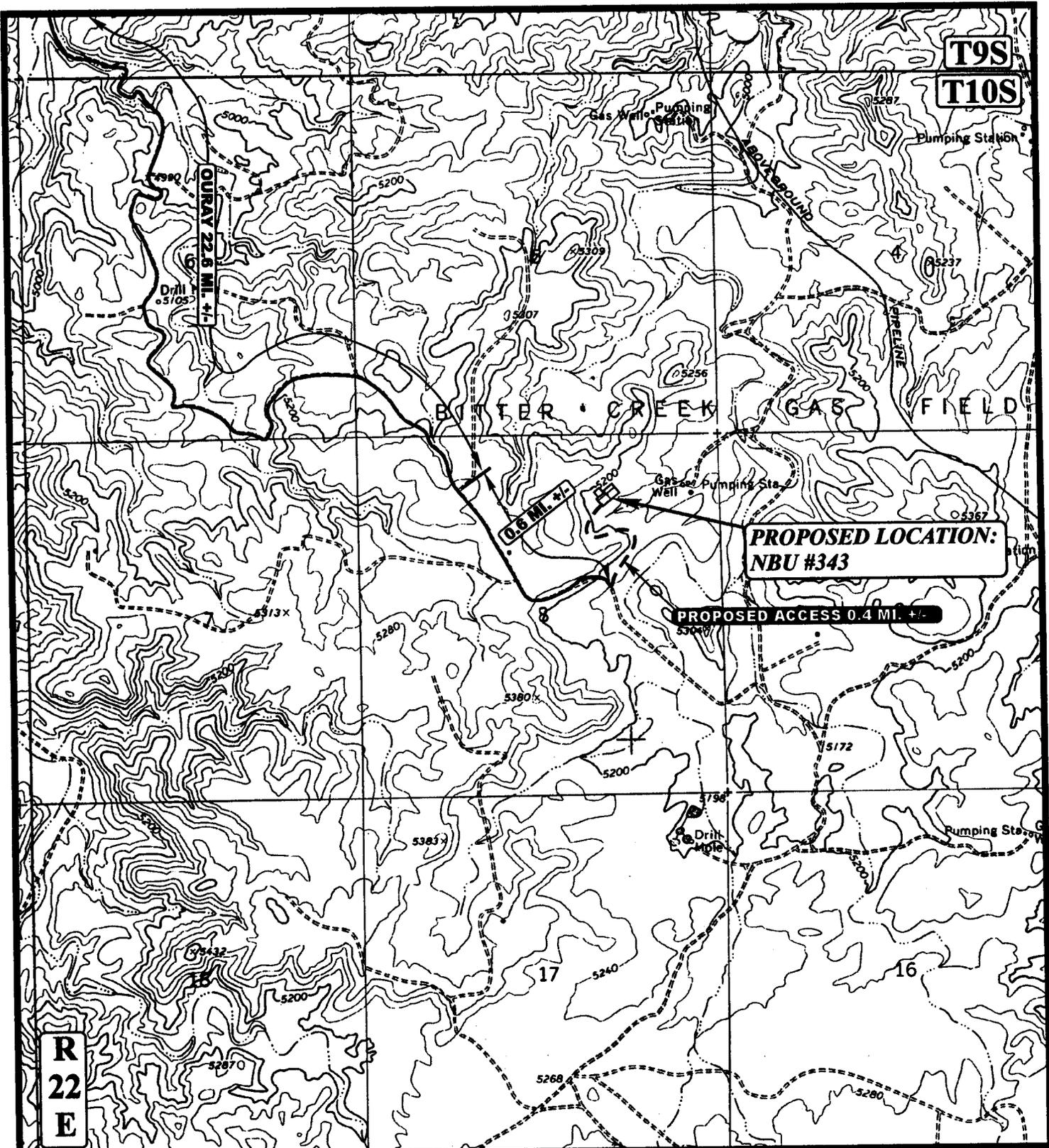
**10 30 98**  
 MONTH DAY YEAR

SCALE: 1:100,000

DRAWN BY: C.G.

REVISED: 00-00-00





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



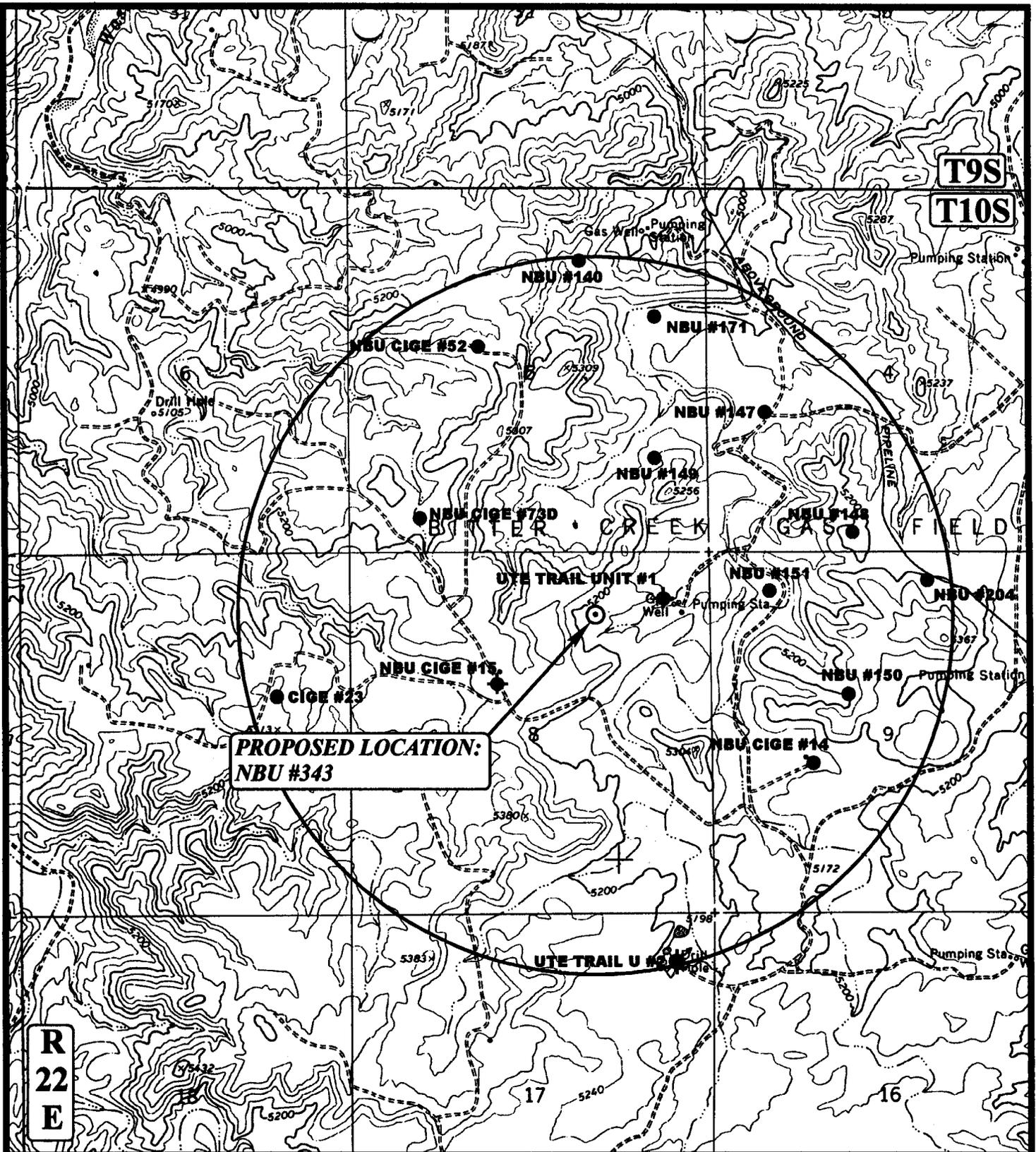
**COASTAL OIL & GAS CORP.**

NBU #343  
 SECTION 8, T10S, R22E, S.L.B.&M.  
 903' FNL 1754' FEL

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

**TOPOGRAPHIC** 10 30 98  
 MAP MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00

**B**  
 TOPO



**PROPOSED LOCATION:  
NBU #343**

**LEGEND:**

- ∅ DISPOSAL WELLS
- PRODUCING WELLS
- ⬇ SHUT IN WELLS
- ⊕ WATER WELLS
- ⬇ ABANDONED WELLS
- ⊕ TEMPORARILY ABANDONED

**COASTAL OIL & GAS CORP.**

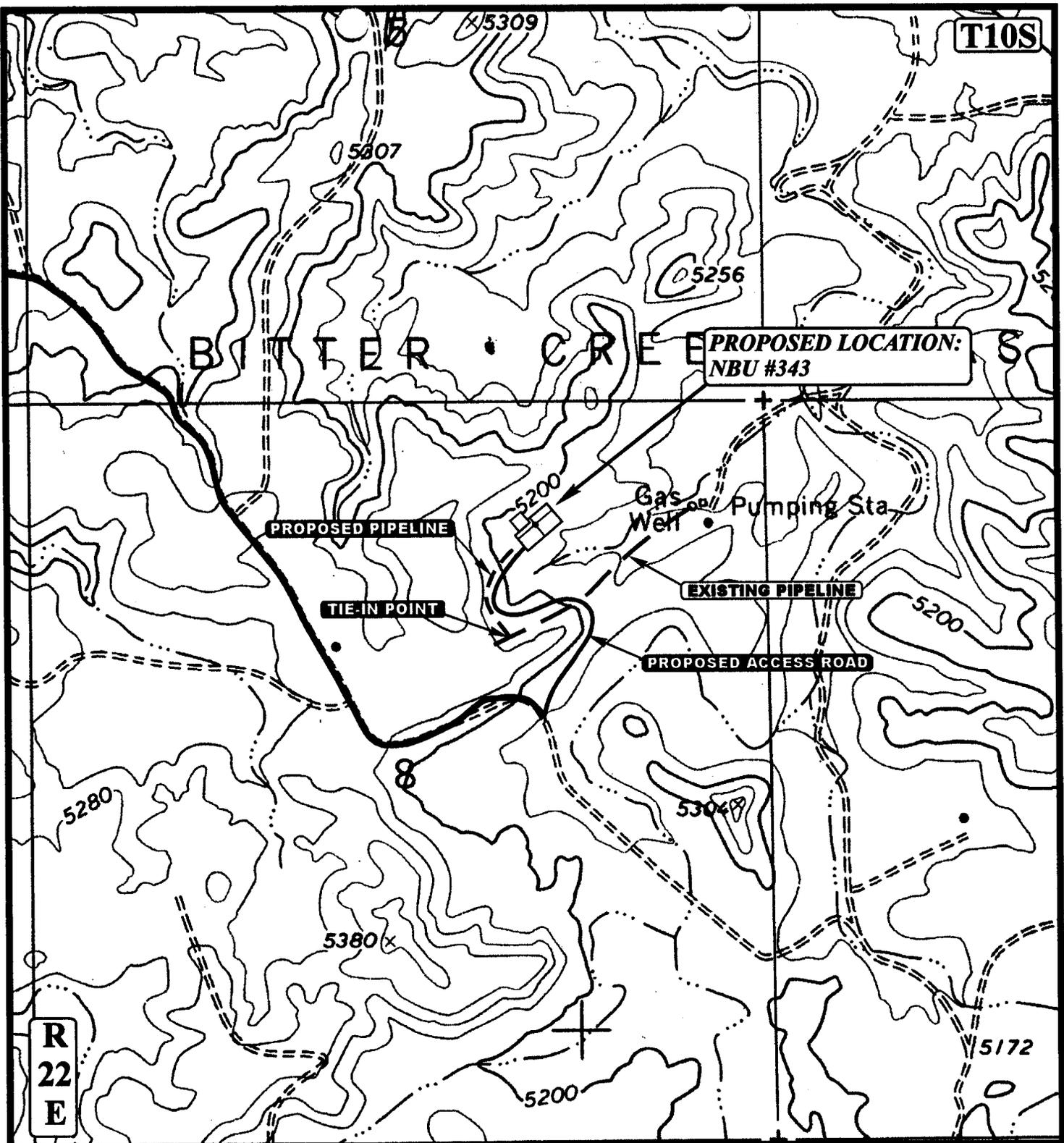
**NBU #343  
SECTION 8, T10S, R22E, S.L.B.&M.  
903' FNL 1754' FEL**

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



**TOPOGRAPHIC** 10 30 98  
**MAP** MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: C.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 800' +/-

**LEGEND:**

- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- PROPOSED ACCESS



**COASTAL OIL & GAS CORP.**

NBU #343  
SECTION 8, T10S, R22E, S.L.B.&M.  
903' FNL 1754' FEL

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

**TOPOGRAPHIC MAP** 10 30 98  
MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: C.G. REVISED: 00-00-00 **D**  
TOPO



COASTAL OIL & GAS CORP.

TYPICAL CROSS SECTIONS FOR

NBU #343

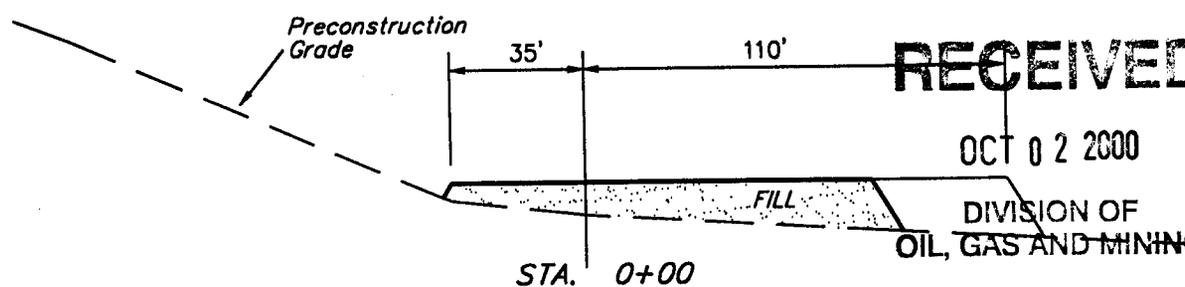
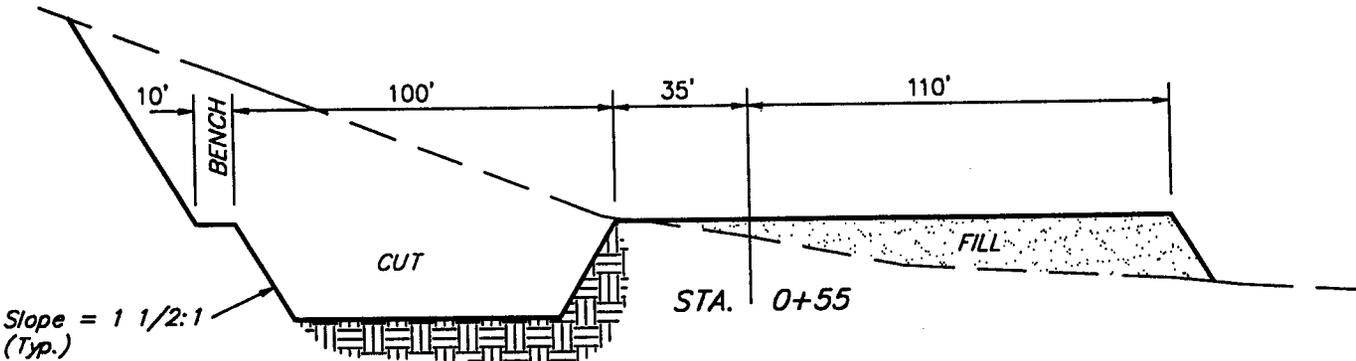
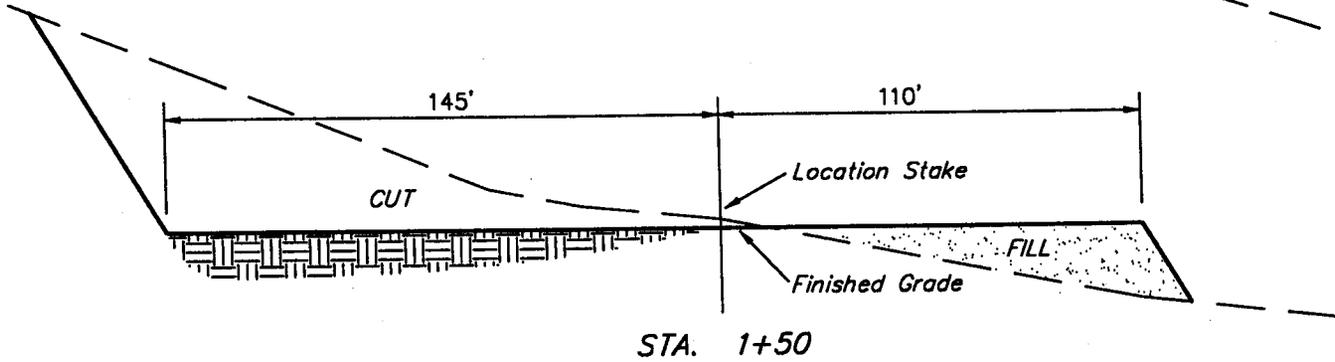
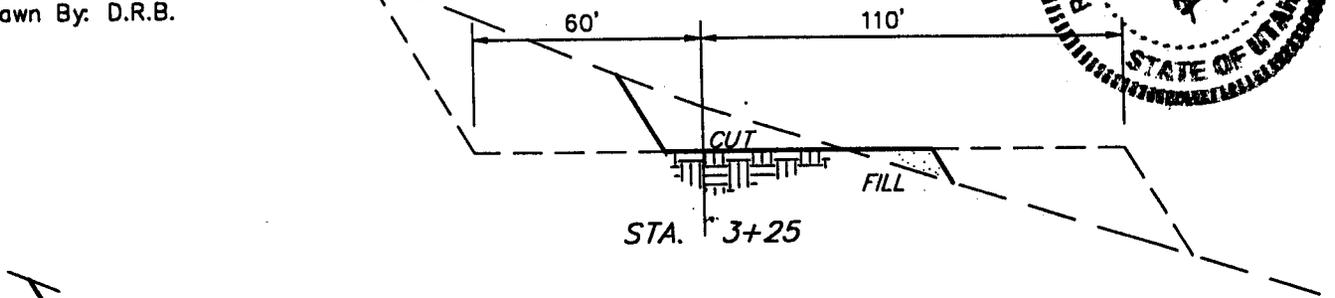
SECTION 8, T10S, R22E, S.L.B.&M.

903' FNL 1754' FEL



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

DATE: 11-04-98  
Drawn By: D.R.B.



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**FIGURE #2**

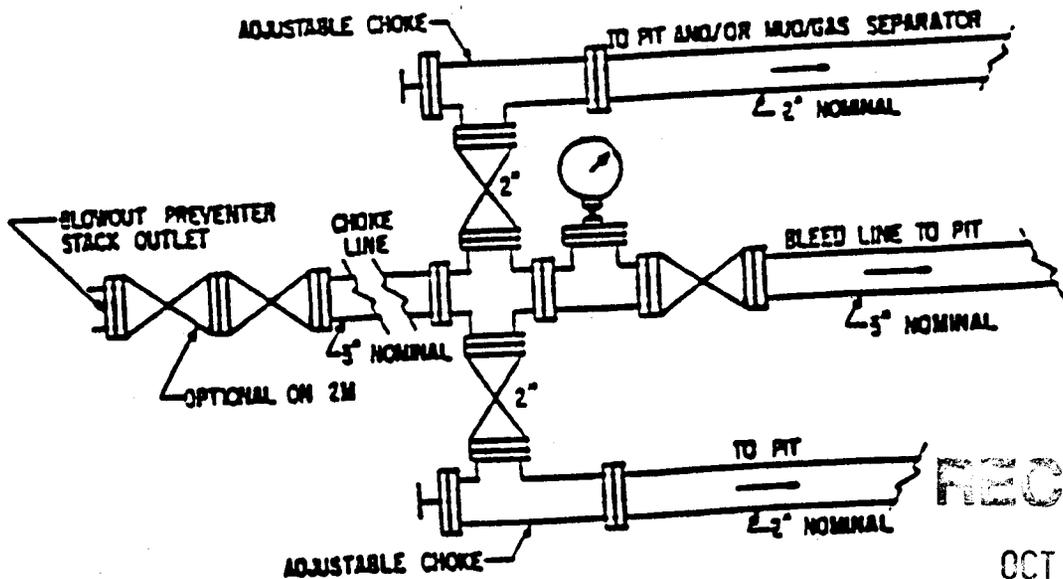
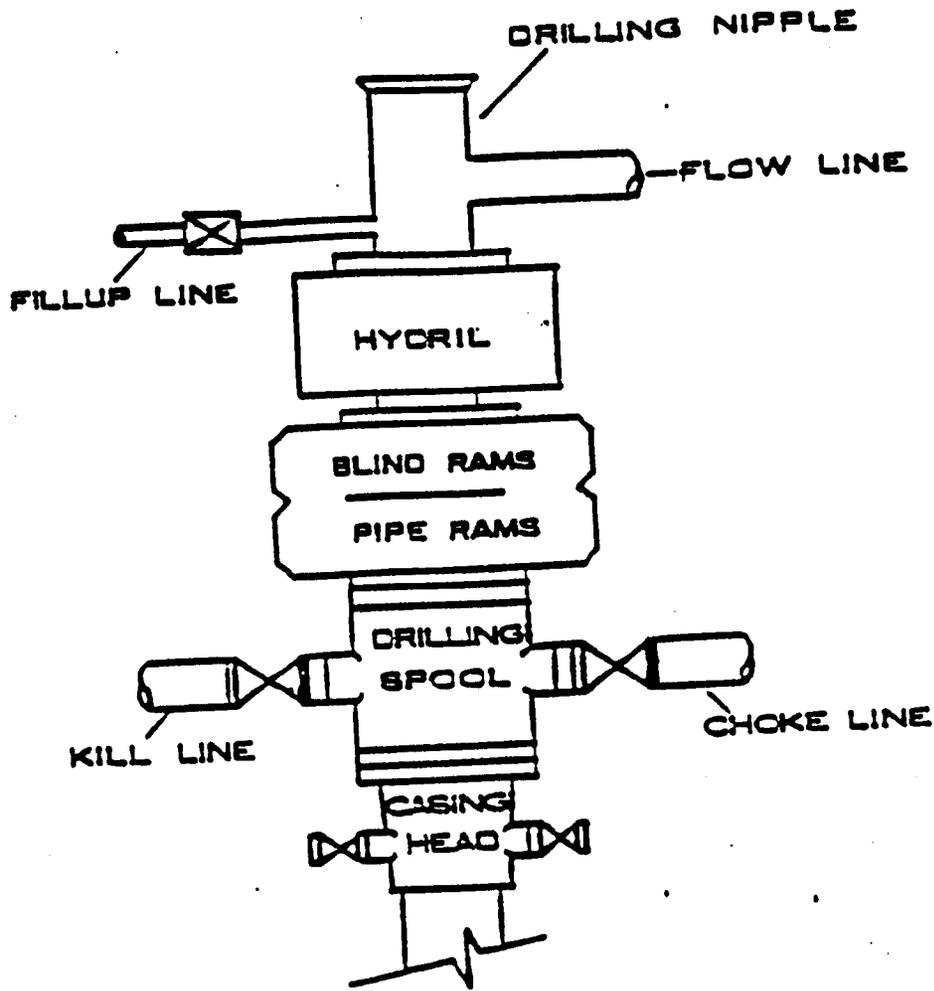
**APPROXIMATE YARDAGES**

CUT	
(6") Topsoil Stripping	= 1,140 Cu. Yds.
Remaining Location	= 11,150 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 12,290 CU.YDS.</b>
<b>FILL</b>	<b>= 6,930 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 5,000 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,480 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 2,520 Cu. Yds.

3,000 PSI

# BOP STACK



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NBU 343



January 19, 1999

DENVER DISTRICT - E & S

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

JAN 22 1998

BLC \_\_\_ RAD \_\_\_ SCP \_\_\_ CEL \_\_\_  
SAB 10 JRN \_\_\_ MDE \_\_\_ LPS \_\_\_  
XC: Drly  
RJL  
PEB

Dear Ms. Bremer:

Enclosed is a Metcalf Archaeological Consultants, Inc. (MAC) cultural resource inventory report covering ten Coastal Oil & Gas well projects in Uintah County, Utah. Well pad projects CIGE #237, CIGE #238, NBU #314, and NBU #315 are on land owned and controlled by the Ute Indian Tribe, Uintah and Ouray Agency of Fort Duchesne, Utah, and well pad projects NBU #322, NBU #324, NBU #325, NBU #334, NBU #343, and NBU #346 are on land administered by the BLM.

Ute well projects NBU #314 and NBU #315 involved no cultural resources and cultural clearance is recommended for these two projects. On the CIGE #237 project a new prehistoric site with the potential for significant deposits was recorded (42UN2600), a small portion of previously recorded site 42UN2035 was encountered, and three isolates were discovered on the associated pipeline. The well pad centerstake for CIGE #237 was moved 50 feet southwest to a recommended location. Moving the pad to the new location and limiting its construction to staked boundaries will effectively avoid any significant portions of 42UN2600. 42UN2035 will not be impacted by construction of CIGE #237. It is additionally recommended that construction of the CIGE #237 well pad be monitored by Ute Tribal Representative Mr. Ignacio. Monitoring is to insure that construction is confined to staked limits. An isolate by definition is not significant and no further work is needed for the three recorded on the proposed pipeline for CIGE #237. The proposed location and access for CIGE #238 was partially staked in previously recorded site 42UN2143, which appears significant and potentially eligible for the National Register. The centerstake was moved 260 feet northwest to a recommended location. This action effectively moved the well pad's APE outside of the site boundaries. In addition to moving the well, the access road was reconfigured further to the north to accommodate the pad's new location and will avoid the site. Although no cultural resources were observed in the

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(970) 328-6244  
FAX: (970) 328-5623  
P.O. Box 899  
Eagle, CO 81631  
e-mail: metcalf@ctive.com

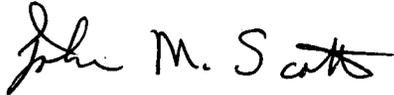
(701) 258-1215  
FAX: (701) 258-7156  
P.O. Box 2154  
Bismarck, ND 58502

proposed pad's new location, it is still close to a known site and in sandy deposition, and because also recommended that the pad's construction be monitored by a qualified archaeologist and Ute Tribal Representative to inspect for any new deposits that might be uncovered by construction and to insure that construction does not exceed its staked limits. **Cultural resource clearance is recommended for CIGE #237 and CIGE #238 with the above stipulations and with approval from the Uintah and Ouray Cultural Rights and Protection Department.**

Five of the cultural resource inventories on the BLM land were negative, resulting in no cultural material being recorded. Near the access corridor of the sixth project (NBU #323) one historical site was recorded. This site, 42UN2599, is not significant and not recommended to be eligible for listing on the National Register. Cultural resource clearance is recommended for all six of the BLM well pad projects.

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

Sincerely,



John M. Scott  
Staff Archaeologist

Enclosure

cc: Blaine Philips, BLM Vernal District, Vernal UT  
Betsie Champoose, Cultural Rights and Protection, UIT, Ft. Duchesne, UT  
Ferron Secakuku, Energy and Minerals, UIT, Ft. Duchesne, UT  
Dale Hanberg, Bureau of Indian Affairs, Ft. Duchesne, UT  
Amy Huslein, Bureau of Indian Affairs, Phoenix, AZ

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Coastal Oil & Gas Company:  
Ten Class III Cultural Resource Inventories  
on  
Ute & BLM Land,  
Uintah County, Utah

prepared by  
John M. Scott  
Metcalf Archaeological Consultants, Inc.  
P.O. Box 899  
Eagle, CO 81631

prepared for  
Coastal Oil & Gas Company  
Denver, CO

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

Project No. U-99-MM-0002b,i

January 1999

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### Introduction

Metcalf Archaeological Consultants, Inc. (MAC) conducted 10 Class III cultural resource inventories for Coastal oil and Gas Corporation of Denver, Colorado. The inventories were for well pad projects in Uintah County, Utah and include associated roads and pipelines. Four of the inventories were on Ute Tribal land and six were on land administered by the Bureau of Land Management (BLM). The projects are listed in Table 1, which shows legal locations, staked footage, and total acreage inventoried. It also shows the direction and length of the access roads and pipelines that were inventoried.

**Table 1** Well Locations and Accompanying Information

Ute Wells	Legal T/R/S	Footage	Access Dis'/Dir <sup>2</sup>	Pipeline Dis'/Dir <sup>2</sup>	Acres
CIGE #237	9S/21E/15	1634FSL 2127FEL	250ft NW	1450ft NW&E	13.9
CIGE #238	9S/21E/20	819FSL 592FEL	1027ft W	492ft NW&NE	13.5
NBU #314	9S/21E/11	706FNL 857FEL	in 10-acre block	in 10-acre block	10
NBU #315	9S/21E/11	1798FNL 770FEL	in 10-acre block	in 10-acre block	10
<u>Total Acres for Ute Wells</u>					<u>47.4</u>
<b>BLM Wells</b>					
NBU #323	9S/22E/30	991FNL 444FEL	200ft W	500ft S	11.6
NBU #324	9S/22E/30	1826FSL 1147FEL	2100ft NW	400ft S	15.8
NBU #325	9S/22E/30	403FSL 1694FEL	400ft N	in 10-acre block	11
NBU #334	10S/22E/3	2179FSL 272FEL	in 10-acre block	1660 S	13.8
NBU #343	10S/22E/08	903FNL 1754FWL	1224ft S	400ft S	13.9
NBU #346	10S/22E/10	811FSL 1138FEL	in 10-acre block	3200ft N	17.3
<u>Total Acres for BLM Wells</u>					<u>83.4</u>
<u>Total Acres All Wells</u>					<u>130.8</u>

<sup>1</sup> This distance represents only the amount inventoried outside of the inventoried 10-acre block.

<sup>2</sup> This is the direction away from the associated well pad.

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Appendix A contains copies of 7.5' USGS quadrangles (map #s 1-5) depicting the well pad project locations. Total area inspected for the four inventories on Ute Tribal land equaled 47.4 acres. Total area inspected for the six inventories on BLM land equaled 83.4 acres.

These cultural resource inventories were conducted to maintain compliance with the National Historic Preservation Act, as amended. Well pad projects CIGE #237, CIGE #238, NBU #314, and NBU #315 are on land owned and controlled by the Ute Indian Tribe (maps #1 and #2 Appendix A), Uintah and Ouray Agency of Fort Duchesne, Utah, and well pad projects NBU #322, NBU #324, NBU #325, NBU #334, NBU #343, and NBU #346 (maps #3-5 Appendix A) are on public land administered by the BLM, Vernal District, Utah. The purpose of these inventories was to locate and record cultural resources in the area of potential effect (APE) of the proposed well projects. If cultural resources were found, their locations were recorded, the appropriate state forms completed (IMAC), a sketch map drawn, and photographs taken. All recorded cultural resources would then be evaluated for eligibility to the National Register of Historic Places (NRHP), and recommendations concerning their management discussed. All site forms were submitted to the Utah Division of State History and copies of the site forms were sent to the appropriate land managers of either the Vernal District BLM or the Ute Indian Tribe.

John M. Scott, staff archaeologist with Metcalf Archaeological Consultants, Inc., conducted the inventories for the BLM well projects on November 3, and 4, 1998 and the Ute Tribal land inventories on November 5, 1998. Mr. Scott was accompanied by Ute Tribal Energy and Mineral Technician Mr. Alvin Ignacio during the inventories on Ute land. All locations were staked and flagged at the time of the fieldwork. Affiliated field notes and data are on file at Metcalf Archaeological Consultants, Inc. Eagle, CO.

#### Management Summary

Ute well projects NBU #314 and NBU #315 involved no cultural resources and cultural clearance is recommended for these two projects, as staked at the time of inventory, and with no further stipulations.

On the CIGE #237 project a new prehistoric site with the potential for significant deposits was recorded (42UN2600), a small portion of previously recorded site 42UN2035 was encountered, and three isolates were discovered on the associated pipeline. The well pad centerstake for CIGE #237 was moved 50 feet southwest to a recommended location. Moving the pad to the new location and limiting its construction to staked boundaries will effectively avoid any significant portions of 42UN2600. The small portion of 42UN2035 in the original 10-acre inventory block would not have been

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impacted by construction of CIGE #237, and with the proposed pad at the new and recommended location, it is even further from the construction area and still will not be impacted. It is additionally recommended that construction of the CIGE #237 well pad be monitored by Ute Tribal Representative Mr. Ignacio, who is familiar with the project. Monitoring is to insure that construction is confined to staked limits. An isolate by definition is not significant and no further work is needed for the three recorded on the proposed pipeline for CIGE #237. The proposed location and access for CIGE #238 was partially staked in previously recorded site 42UN2143, which appears significant and potentially eligible for the National Register. The centerstake was moved 260 feet northwest to a recommended location. This action effectively moved the well pad's APE outside of the site boundaries. In addition to moving the well, the access road was reconfigured further to the north to accommodate the pad's new location and will avoid the site. Although no cultural resources were observed in the proposed pad's new location, it is still close to a known site and in sandy deposition, and because of this, it is recommended that construction of CIGE #238 be confined to the staked limits. It is also recommended that the pad's construction be monitored by a qualified archaeologist and Ute Tribal Representative to inspect for any new deposits that might be uncovered by construction and to insure that construction does not exceed its staked limits. **Cultural resource clearance is recommended for CIGE #237 and CIGE #238 with the above stipulations and with approval from the Uintah and Ouray Cultural Rights and Protection Department.**

Five of the cultural resource inventories on the BLM land were negative, resulting in no cultural material being recorded. Near the access corridor of the sixth project (NBU #323) one historical site was recorded. This site, 42UN2599, is not significant and not recommended to be eligible for listing on the National Register. Cultural resource clearance is recommended for all six of the BLM well pad projects, as staked at the time of the inventories and depicted on maps #3-5 (Appendix A).

#### Effective Environment

The project area is located in the Uinta Basin physiographic subdivision of Utah (Stokes 1977). All of the proposed well projects are a few miles south and/or west of the White River. The overall area is rugged and broken by ridges and deeply incised intermittent 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 sagebrush or shadscale community, which includes low sagebrush, saltbush, rabbitbrush, snakeweed, various cactus, and mixed grasses and forbs. Specific well, access, and pipeline locations are discussed below.

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## Well Pad Projects on Ute Tribal Land

### **CIGE #237-15-9-21**

T.9 R.21E Section 15 SW/NW/SE (map 1)

The proposed well is located two miles south of the White River. Its 10-acre inventory block is situated mostly on a degraded flat with an intermittent drainage cutting a prominent channel along the north and east. An east-to-west trending sandstone outcrop is at the center of the east edge of the block. The outcrop's southeast and south edges are dominated by several overhangs and boulders that have been exposed and formed by the scouring action of overbank flooding from the intermittent drainage. Deeply accumulated aeolian sand is on the outcrop's north side. The 10-acre block extends just past the drainage channel on the east and encompasses a small portion of the west-facing slope of a large dune. The general drainage pattern of the area is that of a series of intermittent dendritic-like drainages, which flow north to the White River. Ground surface visibility is excellent at around 85-90% with the vegetation cover consisting predominantly of mixed grasses. With the exception of the above-mentioned sands, the dominant sediment in the 10-acre block is a gray clay hardpan mantled with a very thin sand shadow of varying depth. The project's proposed access leaves an existing north-to-south oil field road in the NE/SE/NE/SW of Section 15. The road will proceed east-southeast to the west edge of the well pad. Additional inventory of 76 meters of linear corridor was required for the proposed access road. The project's proposed pipeline heads north from the pad to an existing east-west road and parallels the road's south side east to an existing well. At the well it turns north and connects to an existing surface pipeline in the NE/SW/NE/SE in Section 15. Additional inventory of 442 meters of linear corridor was required for the proposed pipeline.

### **NBU #314**

T.9S. R.21E. Section 11 C/NE/NE (map 1)

This proposed well pad is positioned on a high bench that overlooks a heavily eroded badlands-like area along the south side of the White River drainage valley. The main channel for the White River is just under a mile to the north. Small clay buttes and cobble-armored hills, with short narrow arroyos are visible below to the east. An existing improved oilfield road cuts through the west side of the 10-acre inventory block and the project's access will be from that road. The project's pipeline will connect to a proposed and staked pipeline of the NBU #316, which parallels the west side of the existing road. The pipeline and access will be entirely within the NBU #314 10-acre block. Neither the access road nor the pipeline required additional inventory. The dominant sediment in the project area appeared to be a sandy clay with a cover of quartzite gravel. Vegetation consisted of a semiarid shrubland that included saltbush, rabbitbrush, mixed grasses, and

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forbs. The shrubland covered nearly 40% of the project area, but allowed fair to good surface visibility.

**NBU # 315**

T9S R21E Section 11 SE/NE (map 1)

Proposed well NBU #315 is located just south of NBU #314 on the same high bench above the White River drainage valley. It is situated away from any of the bench's edges and is relatively flat with a slight slope to the east. An existing oilfield road cuts through the project's west side and its proposed access is from that road. The pipeline tie-in is at the proposed and staked NBU#316 pipeline that parallels the west side of the existing road, and will be entirely within the present project's 10-acre block. No additional inventory was needed for the project's access road or pipeline. Sediments observed in the project area appeared to be a sandy clay with a cover of quartzite gravel. Vegetation consisted of a semiarid shrubland that included saltbush, rabbitbrush, mixed grasses, and forbs. The shrubland covered nearly 40% of the project area, but allowed fair to good surface visibility.

**CIGE #238-20-9-21**

T9S R21E Section 20 SE/SE (map 2)

The CIGE #238 well pad project is located on the east side of Cottonwood Wash approximately three miles south of the White River. Cottonwood Wash at this location is a relatively deep channel with exposed sandstone outcrops forming its east side. The staked well area is on the sandy flat between the wash on the west and a prominent sandstone outcrop to the east. The area is covered with a deep sand sheet with low benches of sandstone exposed near the drainage. Vegetation consisted of a semiarid shrubland dominated by sagebrush, greasewood, and rabbitbrush. It covered nearly 30% of the surface, but allowed good ground visibility. The proposed access begins at an existing well access road in the N/NW/SW/SW of Section 21, T.9S., R.21E. It comes off the south side of the road, heads west out of a degraded basin-like area, and up onto the sandy flats to the staked well area. An additional 152 meters of linear corridor was inventoried for the access. The pipeline leaves the proposed pad's northwest edge and snakes north to an existing surface pipeline. An additional 335 meters of linear corridor was inventoried for the pipeline.

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## Well Pad Projects on BLM Land

### **NBU #323**

T.9S. R.22E. Section 30 NE/NE (map 3)

This proposed well pad location is staked just west and above Sand Wash approximately 1.25 miles southwest of the White River. This area is heavily dissected by ephemeral drainages, which have exposed large amounts of rimrock. The actual pad area is uneven and broken and drains to the east by small dendritic drainages into Sand Wash. Sand Wash flows north to the White River. Vegetation is a shadscale community with some saltbush, rabbitbrush and snakeweed. It was sparse and covered less than 5% of the ground surface and allowed excellent surface visibility. The observed sediment was a brown clay armored with angular sandstone pebbles. Access for the proposed well pad is from an existing oilfield road located just to the west of the pad. An additional 61 meters was inventoried for the access. The proposed pipeline will leave the north side of the project, cross a deep ephemeral drainage, and then parallel an existing road's east side. It ties into an existing surface line in the NW/NE/NE/NE of the project's section. An additional 152 meters of linear corridor were inventoried for the pipeline.

### **NBU #324**

T9S R22E Section 30 NE/SE (map 3)

NBU #324 is staked in the actual drainage channel of Sand Wash approximately 1.3 miles southwest of the White River. It is up against the wash's east drainage wall below round sided slopes and ledges. The northwest half of the project is in the sandy and gravelly flood plain of Sand Wash while the southeast half extends up onto the slopes and ledges. The sediments on the southeast side consist of a slope washed sandy clay with gravels. The sediments of the northwest side consist entirely of alluvial sands, gravels, and cobbles. Vegetation in the drainage is dominated by tall greasewood and willows that form a very dense cover of nearly 80% and allowing only poor ground surface visibility. The slopes on the east side had sparse vegetation and surface visibility was excellent. The proposed access for this project begins near the center of the SW/NW of Section 30. It snakes southwest along the base of the east side of the Sand Wash drainage to its associated well pad. The access corridor required additional inventory of approximately 640 meters. The proposed pipeline will snake north to tie-in near proposed well NBU #325 in the NE/SW/SE of Section 30 and required an additional inventory of 122 meters. The main drainage for the general area is Sand Wash and it drains north to the White River.

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**NBU #325**

T.9S. R.22E. Section 30 NE/NE (map 3)

This proposed well pad project is staked on benches just above the east side of Sand Wash. The location is very uneven and broken. Vegetation cover is sparse, around 15%, and consists of shadscale and mixed grasses. Soil on the pad area consisted of a gray silty clay armored with gray sandstone pebbles. The proposed access starts at the southwest edge of the staked NBU#324 pad location. It snakes south along the east side of the drainage and then angles up onto the east benches to connect with the south edge of its associated pad. Approximately 122 additional meters were inventoried for the access. Sediments observed along the access corridor in Sand Wash consisted of alluvial sands and gravels. Sediments along the access corridor on the east benches appeared to be a clay with gravels. Visibility in the drainage was poor, because of a tall and dense cover (70%) of saltbush, but was excellent on the benches. The proposed pipeline corridor juts southward for a short distance to connect with an existing surface pipeline that crosses the southwest corner of the inventory block. Since the proposed pipeline was entirely within the 10-acre inventory block, no additional inventory was required.

**NBU #334**

T.10S. R.22E. Section 3 NE/SE (map 5)

This proposed well is located on the east edge of the Bitter Creek Gas Field approximately .4 of a mile west of the White River. The pad is staked against a semicircular ridge system that opens to the north. It is at the head of an intermittent drainage that flows north and eventually into the White River. Ground cover in the pad area was only around 5% consisting mainly of sagebrush, bunch grass, and saltbush. The soil resembled a grayish clay hardpan veneered with sandstone pebbles. The associated access will be from an existing oilfield road that cuts across the center of the proposed pad and did not require any additional inventory. The associated pipeline heads south from the pad, crosses an existing road, and connects to an existing surface pipeline in the SE/SE/SE of the Section 3. Approximately 506 additional meters were inventoried for the pipeline corridor and it crossed terrain similar to that of its associated pad.

**NBU #343**

T.10S. R.22E. Section 8 NE/NW (map 4)

Proposed NBU #343 is approximately 1.4 miles west of the White River and 1.1 miles east of Sand Wash in the Bitter Creek Gas Field. It is positioned in the curve of an east facing ridge. This area is the head of an unnamed intermittent drainage that flows northeast into a system of dendritic drainages and eventually into the White River. Vegetation includes mixed grasses and forbs with sparse saltbush and sagebrush. It

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covered approximately 10% of the ground surface and allowed excellent visibility. The associated access road snakes south to an existing oil field road in the SW/NE of Section 8. It required an additional 373 meters of inventory. The pipeline also runs south from the staked pad to connect to an existing surface pipeline in the NE/SW/NE of the project's section. It required approximately 152 meters of additional inventory. The terrain crossed by both the access and pipeline corridors was similar to that of the associated 10-acre inventory block.

#### **NBU #346**

T.10S. R.22E. Section 10 SE/SE (map 5)

This proposed well pad project is staked in the Bitter Creek drainage. Bitter Creek is in a deep and narrow canyon with large amounts of rimrock and down cutting tributary drainages. Bitter Creek flows almost due north into the White River. The pad is staked on the west side of the creek on its flood plain. Steep rock walls and ledges are on the east and west. The canyon bottom is covered with alluvial sand and gravel. Against the west side of the canyon the sand gives way to colluvial loam partially covered with sandstone blocks and boulders. Access will be from an improved dirt road that runs north and south through the canyon and crosses through the pad near its center. The access required no additional inventory. The associated pipeline will leave the northwest corner of the pad and heads north paralleling the existing road's west side to connect to an existing surface line in the vicinity of existing well NBU #293 (NE/SW/NE of Section 10). Approximately 900 meters of the proposed pipeline required additional inventory. Vegetation on the well pad block consists of high greasewood that forms a dense cover with an under story of mixed grasses, forbs and low shrubs. Approximately 50% of the surface was covered with vegetation which allowed only poor-to-fair surface visibility on most of the inventory block. Along the west side of the pad, above the sand bottom, and along the pipeline corridor, vegetation was sparse, covering only 10% of the surface and allowing excellent ground surface visibility.

#### Files Search

A files search for all of the well pad project locations was requested from the Utah Division of State History on August 31, 1998. A second files search, involving only the projects on BLM land, was conducted at the BLM, Vernal District Office on November 3, 1998. The locale of the present projects is a highly-developed oil and gas field and the files listed many previously conducted projects and cultural resources for the region. However, only proposed CIGE #238 was in a previously inventoried area. A previously recorded and potentially eligible site (48UN2143) is partly within the CIGE #238 project area. The previously recorded site is named the Ignacio Shelter (Scott 1994) and was recorded in 1994 by John Scott of MAC for the Reliable 3D seismic project (Spath 1994).

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It is listed as a moderately dense lithic scatter around a prominent sandstone outcrop in a 39,250 sq. meter area. Included in the site inventory were chipped stone tools, a grinding slab, several bifaces and a rock shelter with rock art. The plotted location of the CIGE #238 inventory block appears to extend 200 feet onto site 48UN2143 and would probably impact the lithic scatter but not the rock shelter or rock art which appears to be at least 200 feet from the east edge of the 10-acre block. The only other site that appeared to be near any of the different project areas was 42UN2035. The southeast corner of the 10-acre inventory block for proposed CIGE #237 protruded less than 100 feet onto that site. 42UN2035 was recorded by James Truesdale (then of MAC) in July of 1992 for the CIGE #171 well pad project (Truesdale 1992). It is described as a large site (156,000 sq. m.) situated in a sequence of sand dunes. Artifacts listed in the site inventory included 17 ceramic sherds, 153 pieces of debitage, and stone tools, including both chipped and groundstone tools. Mr. Truesdale recommended the site to be eligible for listing on the National Register.

Another source of general information for the Uinta Basin, which was consulted prior to field work, is the three volume document *Paradigms and Perspectives, A Class I Overview of Cultural Resources in the Uinta Basin and Tavaputs Plateau* (Spangler 1995). This work provides good overviews of the history of cultural resource work conducted in the region, Uinta Basin cultural chronologies, and an annotated Bibliography. It should be consulted for further information on the cultural resources of the Uinta Basin.

### Methods

The ten proposed Coastal Oil & Gas Company well locations, access roads, and pipelines were plotted on USGS 7.5' quadrangle maps and then inspected for cultural resource material. The access roads and proposed pipelines were investigated by examining the ground surface while walking two zigzag transects. One transect was walked on each side of the staked centerline, so that each side received 50 ft (15 meters) of coverage, equaling a total corridor width of 100 ft (30 meters). When linear corridors paralleled existing disturbance, the entire 100 ft was measured from the edge of the disturbance out. The proposed well locations were inventoried by inspecting a 10-acre block centered on the well pad's *location-to-drill* stake and oriented to the cardinal directions. This 10-acre block was examined by attentively observing the ground surface while walking parallel transects spaced 15-to-20 meters apart across the entire block. Special attention was given to areas of surface disturbance (i.e., rodent activities, previous construction areas, erosional areas). These areas were thoroughly inspected for signs of cultural material.

All recommendations for cultural properties on Ute Tribal land were discussed between the project archaeologist and accompanying Tribal Representative. When the

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recommendations involved moving a staked portion of a project, the pertinent information was provided to the contracted survey company, who then made the changes. The changes made in the project staking were observed in the field by either the investigating archaeologist or the tribal representative.

### Results and Recommendations

#### Ute Wells

Well projects NBU #314 and NBU #315 involved no cultural resources and cultural clearance is recommended for these two projects, as they are depicted on map 1 (Appendix A) and with no further stipulations. Cultural resources were encountered on the CIGE #237 and CIGE #238 projects and **cultural resource clearance is recommended for CIGE #237 and CIGE #238 only with the following stipulations and with the approval of the Uintah and Ouray Cultural Rights and Protection Department.**

On the CIGE #237 project a new prehistoric site with the potential to contain significant deposits was recorded (42UN2600), a small portion of previously recorded site 42UN2035 was encountered, and three isolates were discovered on the associated pipeline. The well pad centerstake for the CIGE #237 was moved 50 feet southwest. Moving the pad to the new location and limiting its construction to the staked boundaries will effectively avoid impacting any significant portions of 42UN2600. The portion of 42UN2035 in the original 10-acre inventory block was not in the construction zone of CIGE #237, and with the new location, 42UN2035 is even further from the construction area and will not be impacted. An isolate by definition is not significant and no further work is needed for the three recorded on the associated pipeline. It is further recommended that construction of the well pad be monitored by Ute Tribal Representative Mr. Ignacio, who is familiar with the project. This is to insure that construction does not exceed staked limits.

The proposed location and access of CIGE #238 was partially staked in previously recorded site 42UN2143, which appears significant and potentially eligible for the National Register. The centerstake was moved 260 feet to the northwest and that area inspected. This action effectively moved the well pad's APE outside of the site boundaries (Figure 1). In addition to moving the well, the access road was reconfigured further to the north to accommodate the pad's new location and to avoid the site. Although no cultural resources were observed in the proposed pad's new location, it is still close to a known site in sandy deposition, and because of that, it is recommended that construction of CIGE #238 be confined to the staked limits. It is also recommended that the pad's construction be monitored by a qualified archaeologist and Ute Tribal

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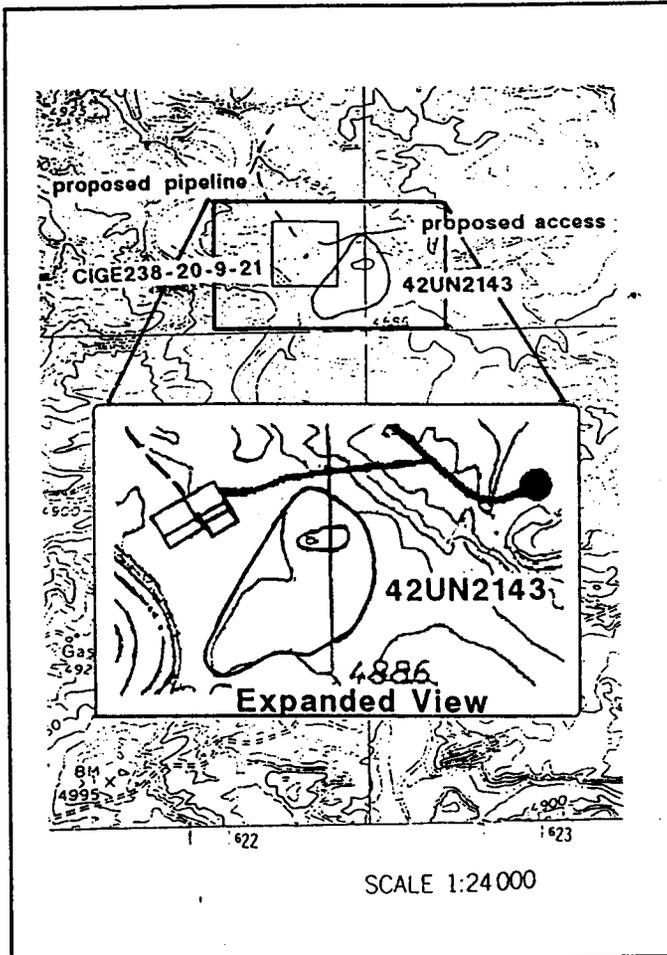


Figure 1 CIGE 238 project area showing relationship of new and recommended well pad location to 42UN2143

Representative to inspect for any new deposits that might be uncovered by construction, and to insure that construction does not exceed its staked limits.

### BLM Wells

Five of the cultural resource inventories on the BLM land were negative, resulting in no cultural material being recorded. Near the access corridor of the sixth project (NBU #323) one historical site was recorded. This site, 42UN2599, is recommended to be not eligible for listing on the National Register. Cultural resource clearance is recommended for all six of the BLM well pad projects, as staked at the time of the inventories and depicted on maps 3, 4, and 5 (Appendix A).

### Ute Sites

#### 42UN2600

This prehistoric site consists of three rock overhangs on the south side of a large sandstone outcrop with a surrounding lithic scatter in a 4239 square meter area (Figure 2). The site is located two miles south of the White River and three miles east of Cottonwood Wash near the head of a major unnamed intermittent drainage. The drainage passes immediately south and east of the site and overbank flooding with wind erosion has exposed and shaped the overhangs on the south side of the outcrop (Figure 3). The three overhangs, which face south and southeast are 2 to 3 meters long and 1 to 1.5 meters high. Immediately north of the outcrop there is a deep sand dune that has good potential for buried deposits. However, most of the artifacts were observed on the south in and around the overhangs where there is very little deposition. Located southeast of the site is

a flat bench-like area covered with a spotty sand shadow, and the lithic scatter extends only a short distance onto this bench. Several previously recorded sites are in the general vicinity; 42UN2035 is located immediately opposite this site on the south side of the drainage.

The lithic scatter is concentrated around the large sandstone outcrop and consists of approximately 50 flakes, six bifaces (Figure 4), one uniface, two manos (Figure 5), and a sparse and diffuse scatter of FCR. Some of the flakes and tools were in two different concentrations (#1 and #2). The concentrations were located below the sandstone overhangs and may be collector piles. Concentration #1 measured approximately 1 x .5 meters and is located south of the sandstone outcrop at the edge of the drainage channel's north bank. This area is slightly sandy and the concentration is under bushes growing along the drainage bank. Its inventory includes three bifaces (2, 3, and 4) with 15 flakes and core fragments, all of quartzite and chert. Concentration #2 measured .5 X .5 meters,

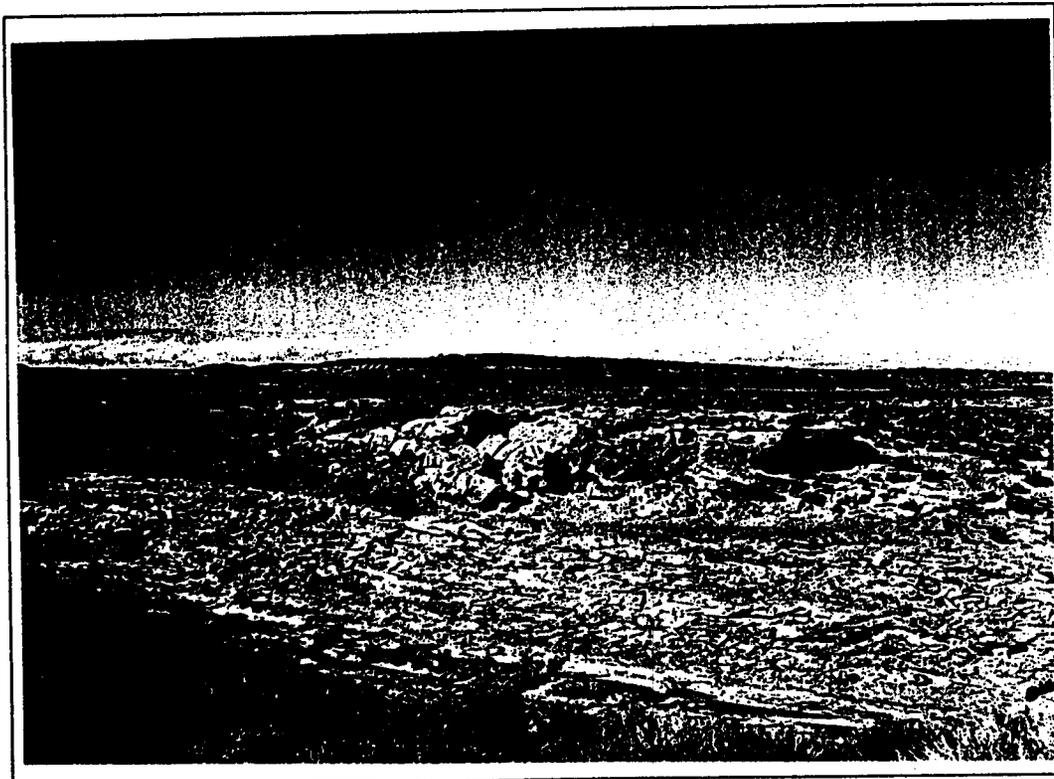


Figure 2 Site overview of 42UN2600 looking NNW (Exp.#4, Rll. #68-98)

and is located at the southeast end of the site just below the drip line of the farthest eastern overhang. Its inventory includes three cores, biface # 5, one uniface, and five flakes, all of quartzite and chert. Neither of these concentrations have potential for buried deposits at their locations. In general, the most common lithic reduction stage observed was tertiary with far fewer decortication and secondary stages present. All but two of the

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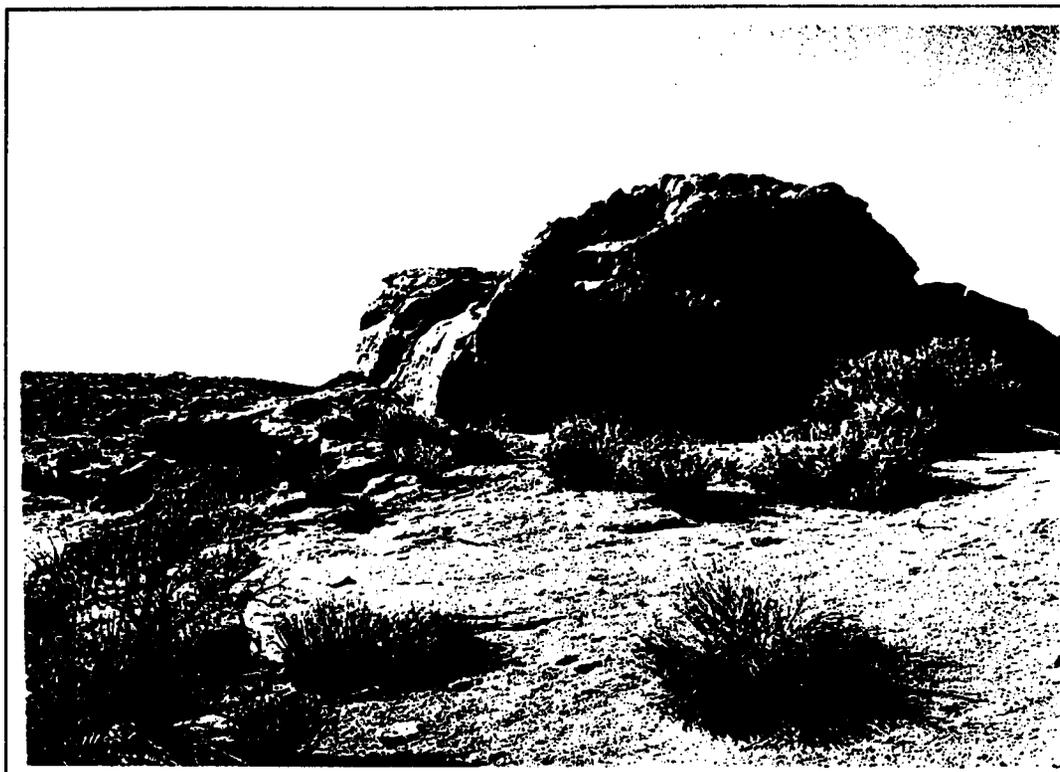


Figure 3 View of largest overhang at the southeast end of 42UN2600 looking W (Exp. # 15, RII.# 68-98)

bifaces were in the two concentrations. Biface #1 is a small quartzite cobble with black cortex and a yellowish brown interior. It measures 8.7 X 4.2 X 2 cm. Biface #2 has been manufactured from a very fine grained multicolored quartzite pebble. It measures 2 X 3 X 1.7 cm. Biface #3 is of brown chert and measures 9.3 X 4 X 1.7 cm. Biface #4 has been manufactured from a coarse brown chert and measures 5 X 6.5 X 2.5 cm. Biface #5 has been manufactured from brown chert and measures 7 X 5 X 2.5 cm. Biface #6 was manufactured from a coarse grained banded chert and measured .7 X 4.5 X .2. The single uniface measured 6 X 4.5 X 1.5 and was manufactured from brown chert. The groundstone included two manos. Mano #1 is located on the south edge of the site below the overhangs. It is a small, oddly shaped sandstone cobble with only one grinding surface. Mano #2 is on the north east edge of the site above a wind-scoured shallow sandstone alcove. It is a rectangular shaped flat quartzite mano, which has been ground and pecked on one side. The shape and size of the manos can be seen in Figure 5.

This site has not been evaluated as to its eligibility for listing on the National Register, but has potential for intact buried deposits. The present project was originally laid out so that it would impact the east side of the sandstone outcrop and part of the deep dune to the south. The project area has been moved further south and will not impact the dune or the outcrop, but will affect the few flakes on the deflated bench. Only three

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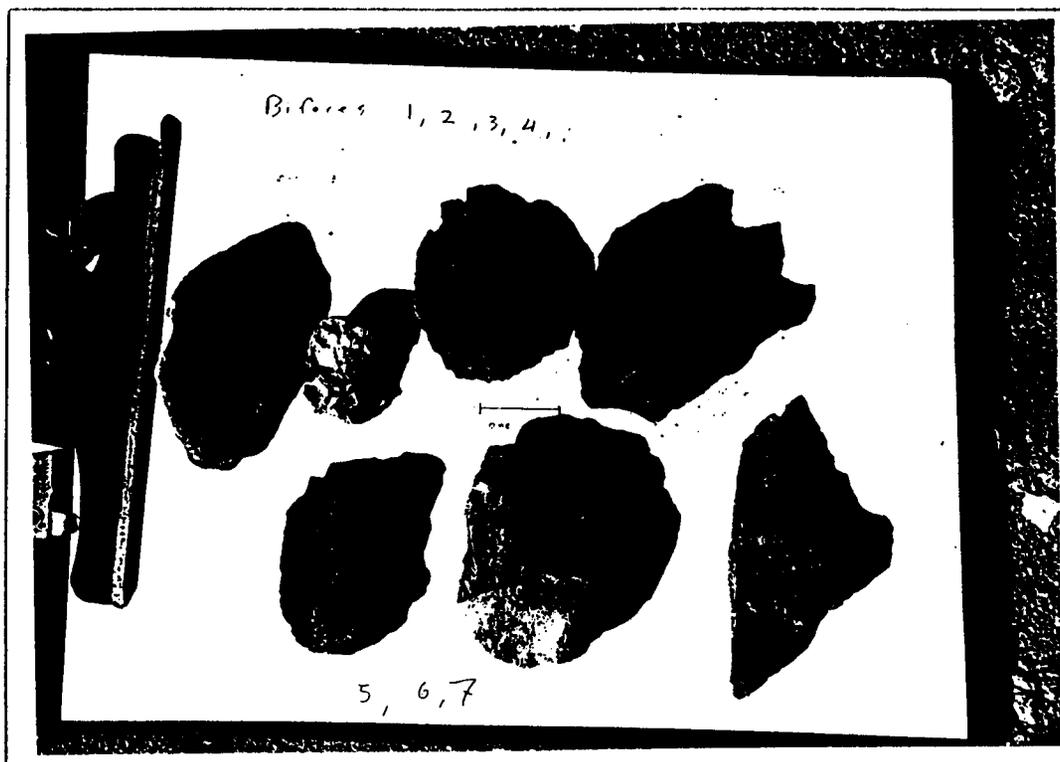


Figure 4 Six bifaces from 42UN2600. The last artifact on the right is an uniface (Exp. #12, RIL #68-98)

flakes were observed in that area and they are on thin hardpan clay that overlays bedrock. The area of the site affected by the present project is not significant and does not contribute to the overall potential significance of the site.

#### 42UN2143

This site is a significant multi-component site named the Ignacio Shelter. It was previously recorded by the author in 1994 during the Reliable Exploration's Coastal Oil and Gas 3D Prospect project. During the present project's revisit, an additional projectile point fragment was discovered (Figure 6). Other than the new artifact, the site appeared to be the same as originally recorded.

The site consists of various colored chert and quartzite flakes, four projectile points, one groundstone slab, and several bifaces, all centered around a sandstone outcrop with a rock shelter at its west end. Aeolian sand with good potential for depth and buried deposits also surrounds the outcrop. The site area totals 39,250 square meters. Near the shelter is a brown sandstone panel with a pecked figure that resembles a hunched-back person. A historical material scatter and rock feature are also present. The historical material consists of a sparse scatter of cans and ceramics. The rock feature is a pile of

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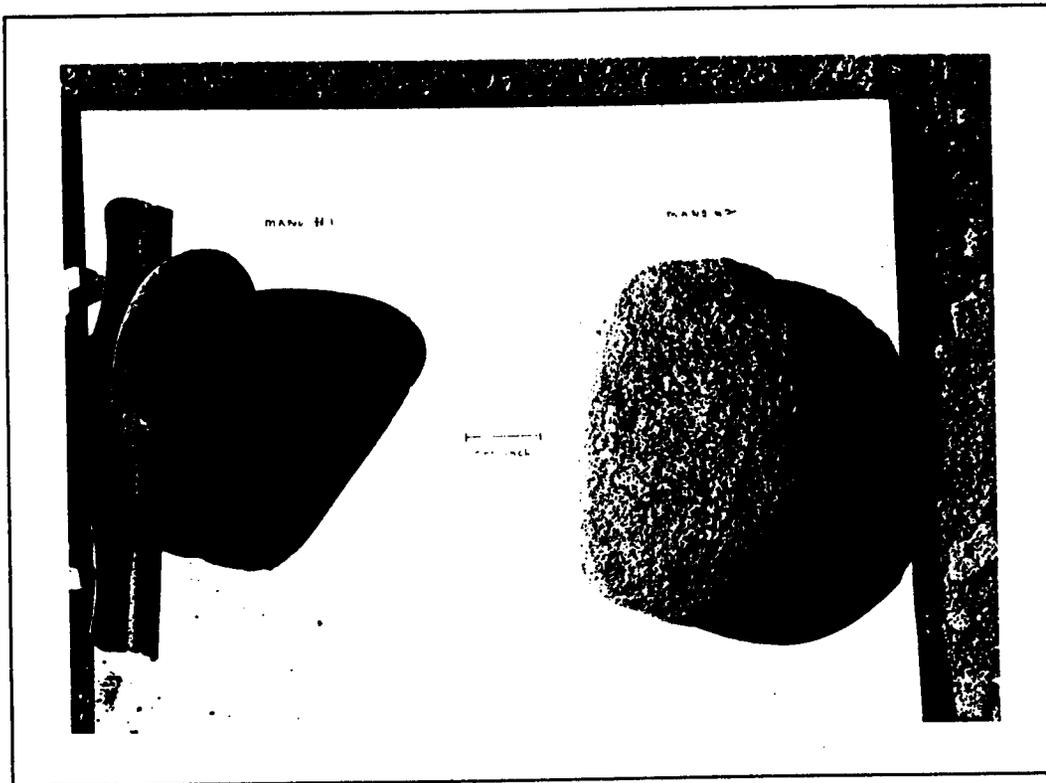


Figure 5 Two manos observed on site 42UN2600 (Exp. #10, Rll. #68-98)

sandstone that has partially collapsed. The prehistoric component inventory lists more than 500 pieces of different colored quartzite, chert and siltstone debitage. A 40% sample indicated that tertiary flakes were dominant with secondary common. Decortication flakes, shatter, and cores were also present, but in substantially fewer amounts. Only two pieces of fire cracked rock (FCR) were observed during the initial recording. The three originally recorded projectile points were corner-notched, but the newly recorded point appears to be side-notched.



Figure 6 New projectile point found on 42UN2143 (Exp. #8, Rll. #68-98)

The rock shelter is at the west end of the sandstone outcrop and is formed by a natural overhang and a large boulder. The shelter measures 3.5 meters (back wall-to-drip line) by 3 meters (sidewall-to-sidewall) and is 1.9 meters high. The ceiling angles back and down from the drip line to a back wall .4 of a meter high. There is a small amount of deposition inside the shelter. The pecked figure is on a panel just outside of the shelter and appears to be badly deteriorated with perhaps 40% destroyed.

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This site has been recommended to be potentially eligible for the National Register and as such should not be impacted by development. The original location of the present project was aligned so that it clearly would impact the site's eastern side where there are artifacts and aeolian sands that could contain intact buried cultural deposits. Consequently, it was recommended that the project be moved. A location further to the northwest was selected and inspected, and the project restaked at the new location. Although the new location is nearby, the project's construction will not impact the site (Figure 1).

### Ute Isolated Finds

#### **IF-237/1**

This isolate consists of one brown chert uniface fragment. It is located on gray degraded clay hardpan at the south end of an existing well pad. The location has probably been impacted by construction and more recently, heavily sheet washed, and there is no chance for buried deposits. Vegetation was very sparse, but sagebrush and saltbush were in the general area. There are several large sites in the vicinity of this artifact in an environment susceptible to erosion, consequently, it is expected that isolated artifacts would be found outside of the sites. This artifact lacks integrity and is at a location with no chance for buried deposits. The resource is not significant, it has been adequately recorded, and no further work is needed.

#### **IF-237/2**

This resource consists of three flakes in a 5 X 5 meter area on gray clay hardpan. It is located between an oilfield road immediately on the north and a sand dune immediately on the south. The sand dune is the same dune that site 42UN2600 extends into, but at the dune's south end. This isolate is more than 50 meters away from the most northern artifact of 42UN2600. The flakes include one banded coarse quartzite primary flake and two white chert flakes, 1 primary and 1 secondary. Vegetation is very sparse, but rabbitbrush and greasewood are in the surrounding area. There are several large sites in the vicinity of this artifact in an environment susceptible to erosion, consequently, it is not unexpected for isolates to occur outside of the sites. This artifact is not significant and at a location with no chance for buried deposits. The resource has been adequately recorded and no further work is needed.

#### **IF-237/3**

This isolate consists of one reddish quartzite cobble fragment that may have been a two-handed mano. It is ground and pecked on one side and measures 14 X 7.5 X 7.5 cm. The artifact is at the east end of a degraded flat and just west of an intermittent

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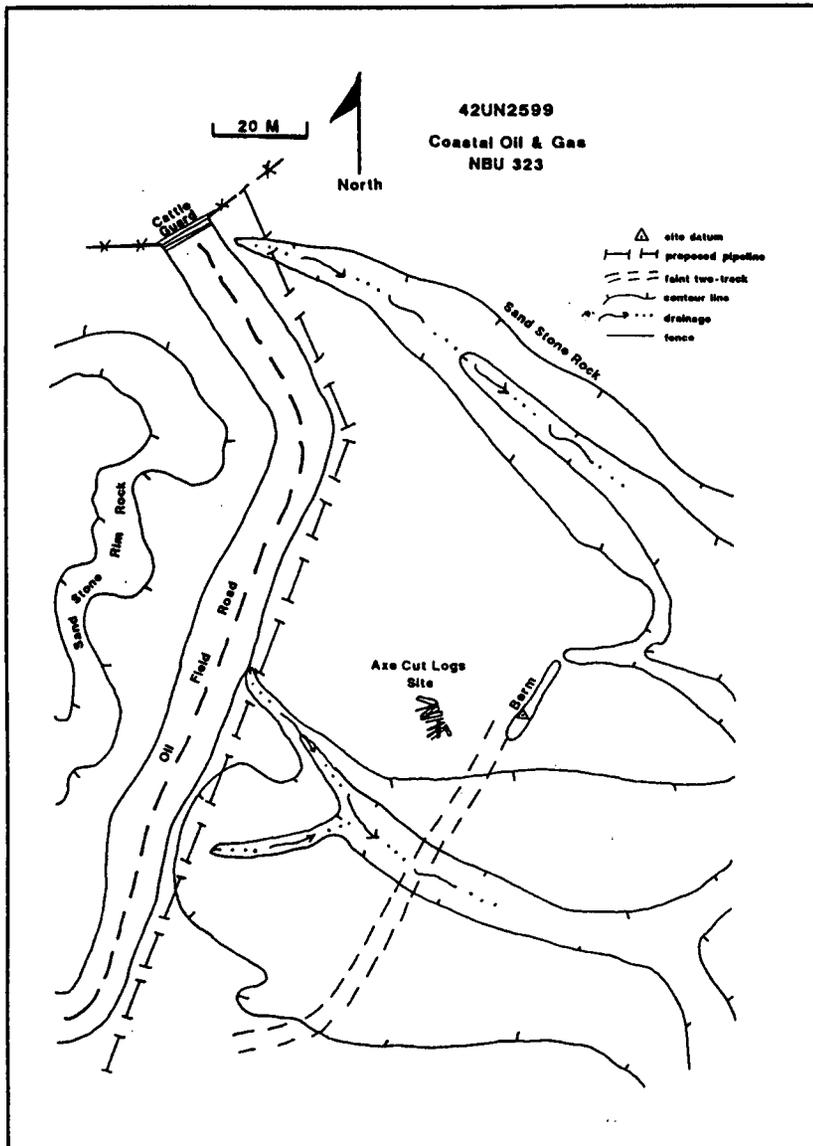


Figure 7 Sketch map of 42UN2599

drainage that has cut a channel at the flat's east end. The area has been heavily sheet washed leaving a hardpan of gray silty clay with several loose cobbles on the surface. There is very sparse vegetation, but rabbitbrush and greasewood surround the location. This artifact lacks integrity and is at a location with no chance for buried deposits. It is not significant, it has been adequately recorded, and no further work is needed.

## BLM Sites

### 42UN2599

This historic site consists of 19 juniper logs located on a finger-like bench above a drainage to the east (Figure 7). The logs are approximately 30 meters east of an existing oilfield road and 120 meters south of the fence line that marks the boundary between BLM and Ute Tribal property. There are hills with sandstone rimrock west of the road and buttes to the north/northeast. Just eight meters east of the logs there is evidence of mechanical blading and a berm of earth. This may have been a road of some sort, but is

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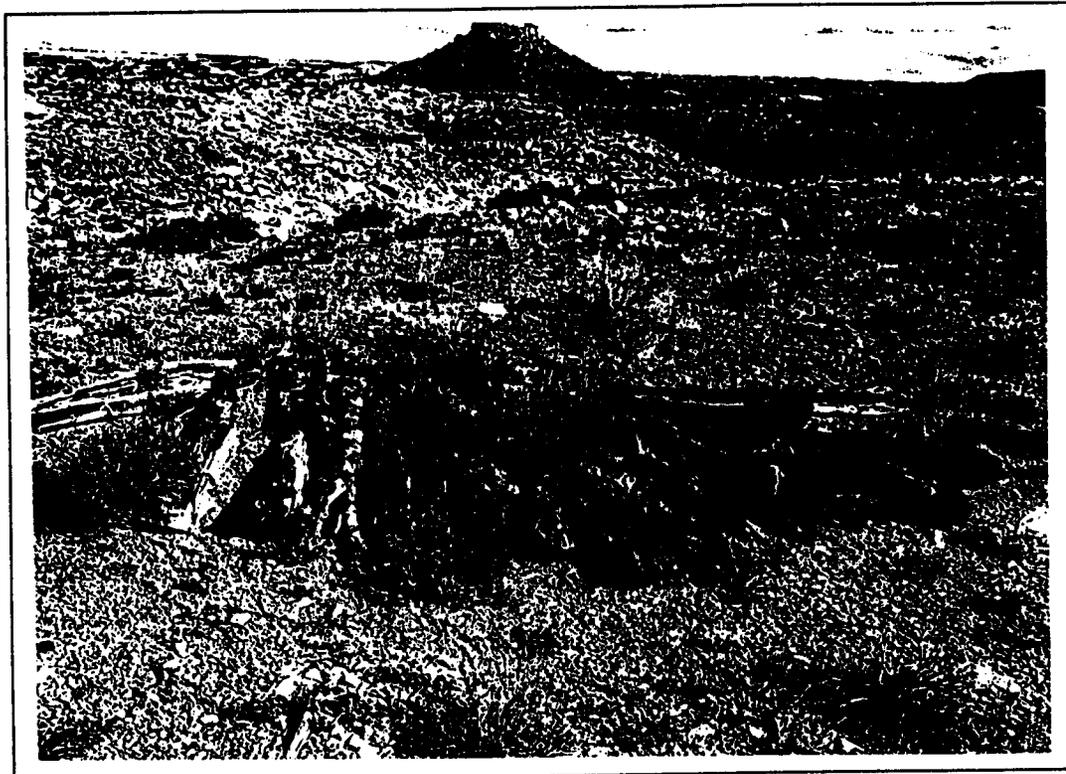


Figure 8 Overview of logs ((42UN2599) looking NNE (Exp. 6, Rll. 68-98)

mechanical blading and a berm of earth. This may have been a road of some sort, but is presently very faint, lacks ruts, and appears to end at this location. The site has good views to the east. The logs are lying side-by-side, aligned east-to-west, and measured between 2.5 and 3.0 meters long (Figure 8). All have axe cut bottoms and the bottoms are thicker (15-16 cm) than the tops. Bark is still present on some of the logs. At the time of discovery, it was thought that the logs could represent a collapsed structure, such as a wickiup, and certainly, they could still be used to construct such a structure. But, a more plausible explanation for their use, is that they were either part of, or were to be used in the fence line that marks the boundary between Ute Tribal land and public land, which is located 120 meters to the north. That fence line is presently constructed with metal poles. The site has been adequately recorded, holds no further information important in history, and no further work is recommended.

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OIL, GAS AND MINING

## References Cited

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

Scott, John M.

1994 *Intermountain Antiquities Computer System (IMACS) Site Form, 42UN2143*. On file, Utah Division of State History, Salt Lake City.

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Stokes, M.

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

Truesdale, James A.

1992 *Results of a Class III Cultural Resource Inventory for Coastal Oil and Gas Company Proposed Well Location of CIGE-171 its Access and Flow Line*. Metcalf Archaeological Consultants, Eagle, CO. Report on file with Utah Division of State History.

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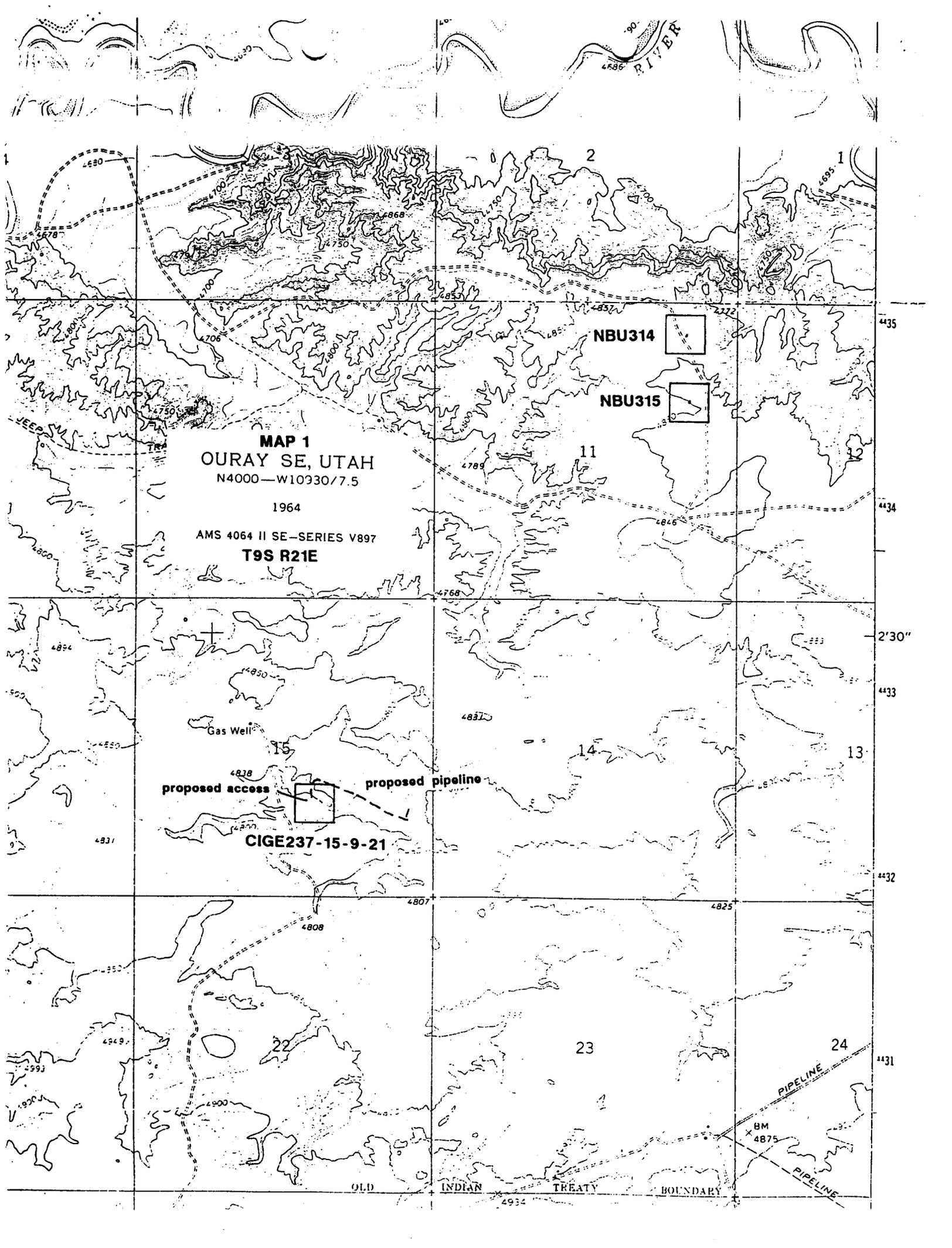
DIVISION OF  
OIL, GAS AND MINING

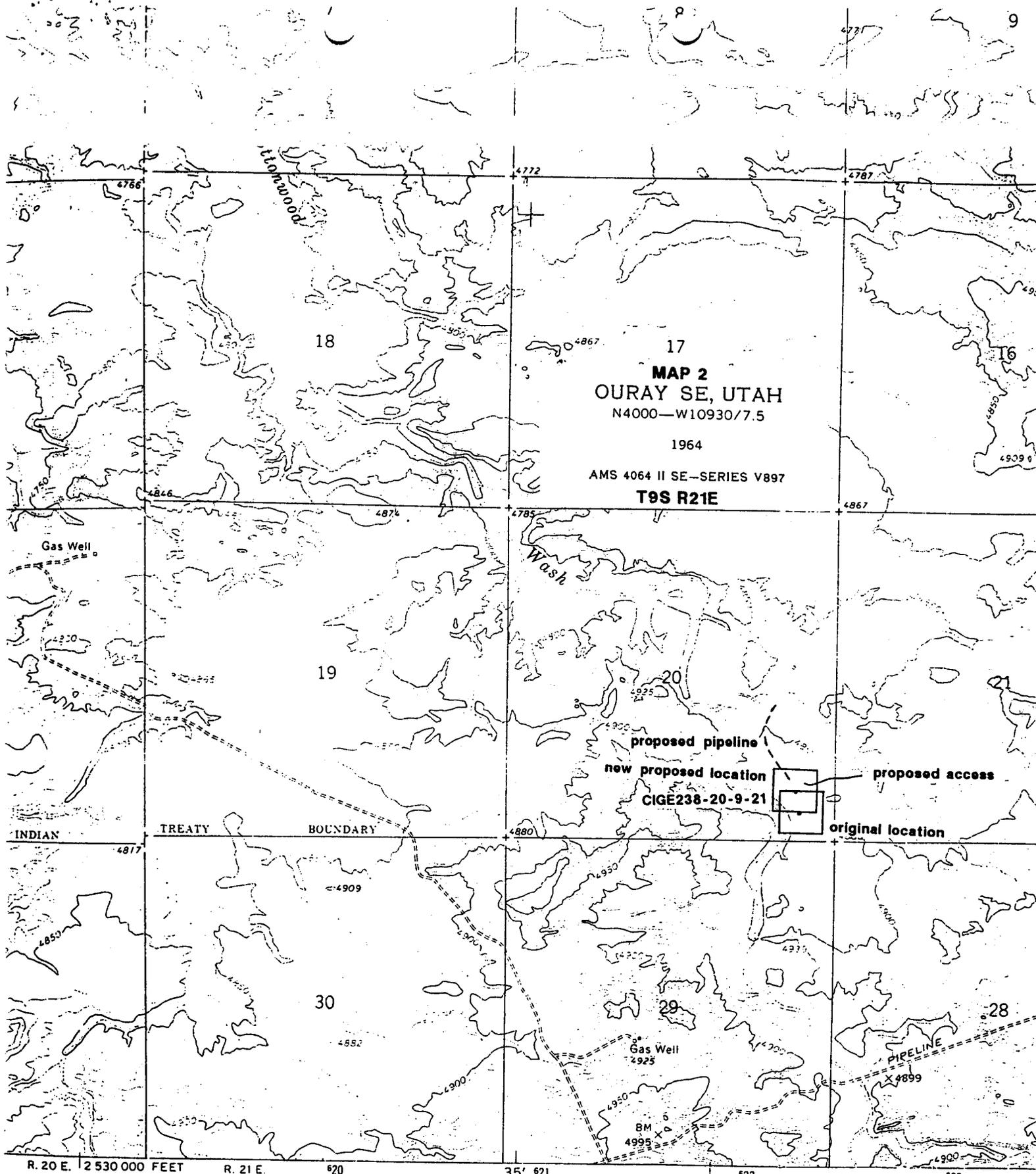
APPENDIX A  
(Project Location Maps)

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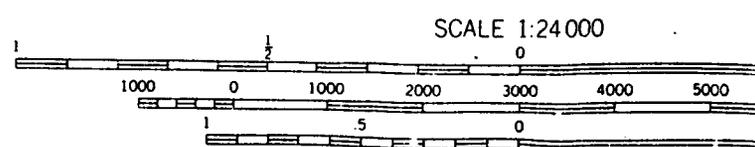
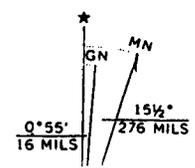




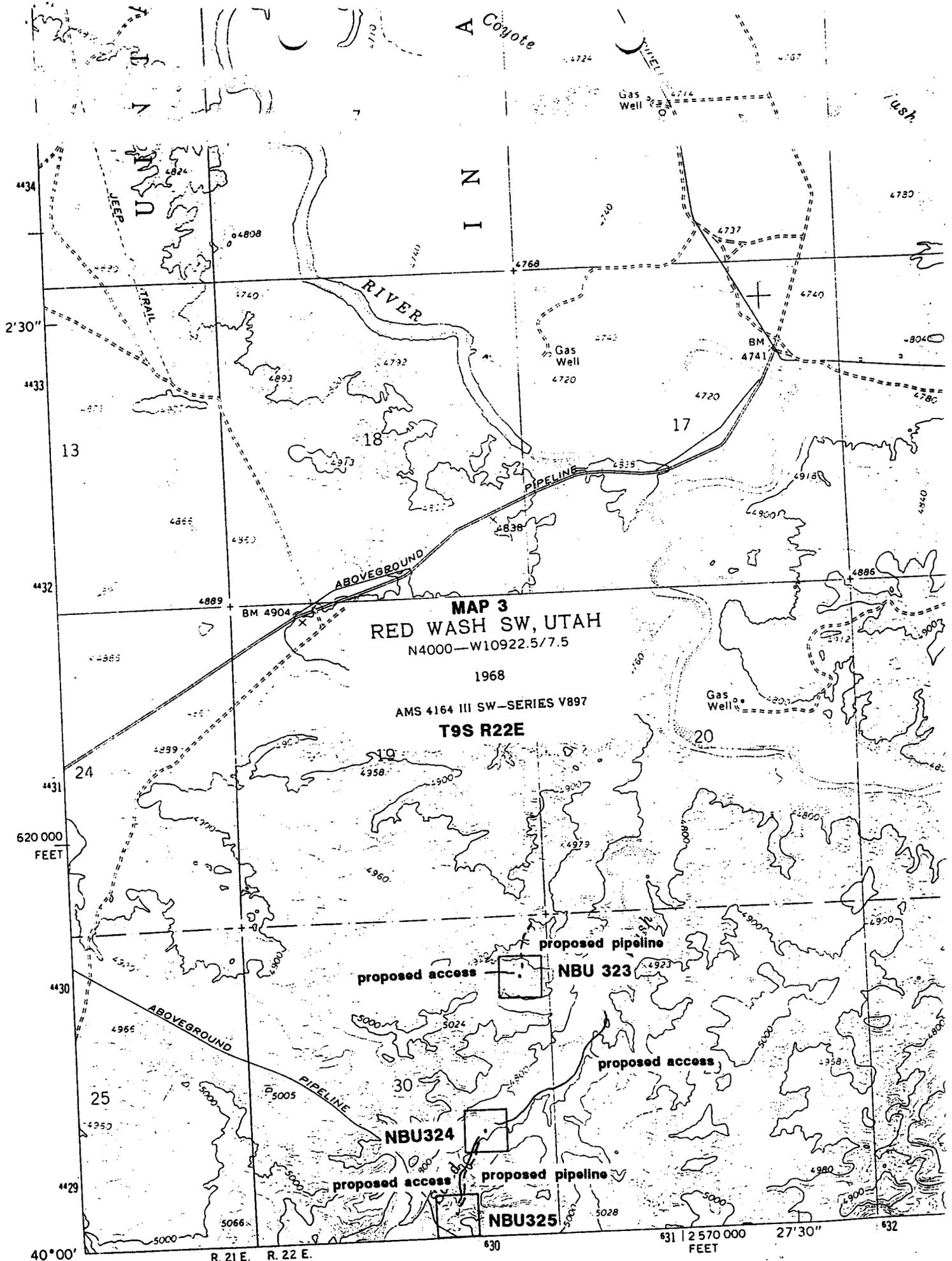
**MAP 2**  
**OURAY SE, UTAH**  
 N4000—W10930/7.5  
 1964  
 AMS 4064 II SE—SERIES V897  
**T9S R21E**

by the Geological Survey  
 of Reclamation

Methods from aerial  
 checked 1964  
 American datum  
 coordinate system, central zone



CONTOUR INTERVAL 10 FEET  
 DOTTED LINES REPRESENT 5-FOOT CONTOURS



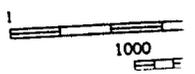
**MAP 3**  
**RED WASH SW, UTAH**  
 N4000—W10922.5/7.5  
 1968  
 AMS 4164 III SW—SERIES V897  
**T9S R22E**

proposed pipeline  
 proposed access  
**NBU 323**  
 proposed access  
**NBU 324**  
 proposed access  
 proposed pipeline  
**NBU 325**

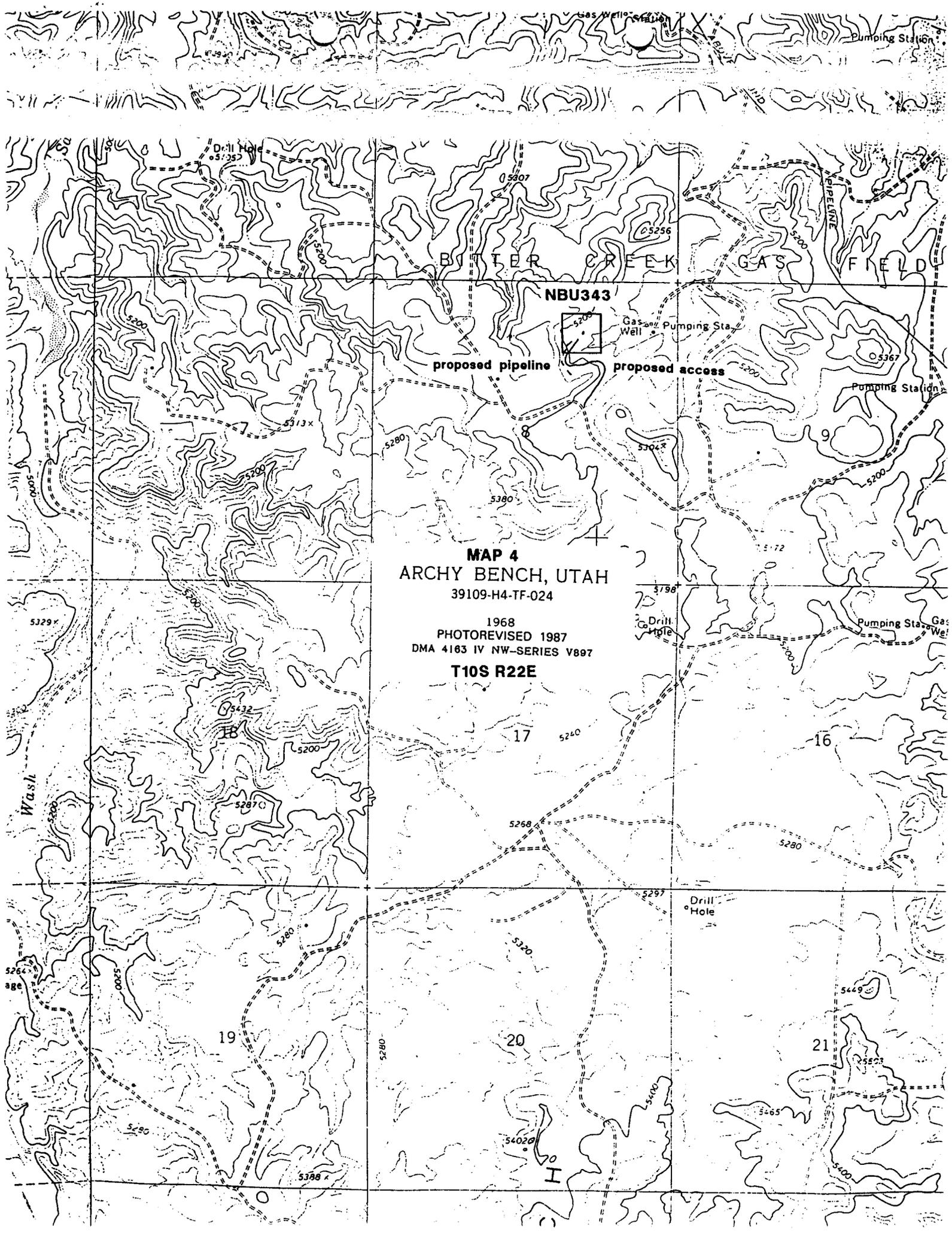
4434  
 2'30"  
 4433  
 13  
 4432  
 4431  
 620 000  
 FEET  
 4430  
 25  
 4429  
 40°00'

R. 21 E. R. 22 E. 630 631 2 570 000 FEET 27'30" 632

Mapped, edited, and published by the Geological Survey  
 USGS



↑ MN



**MAP 4**  
**ARCHY BENCH, UTAH**  
39109-H4-TF-024  
1968  
PHOTOREVISED 1987  
DMA 4163 IV NW-SERIES V897  
**T10S R22E**



**APPENDIX B**  
**(Site and Isolate Forms)**

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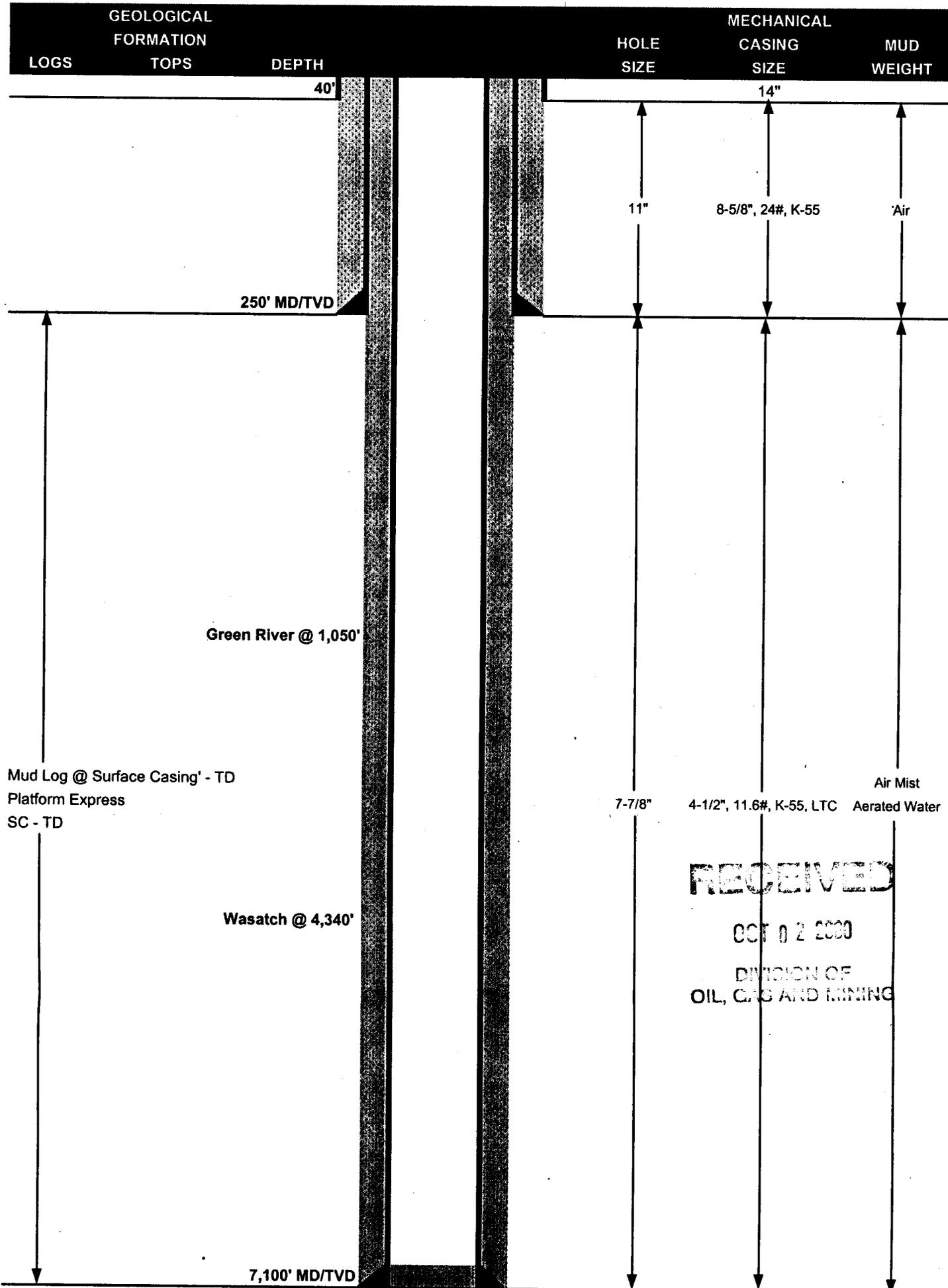
**OCT 02 2000**

**DIVISION OF  
OIL, GAS AND MINING**

# COASTAL OIL & GAS CORPORATION

## DRILLING PROGRAM

COMPANY NAME	Coastal Oil & Gas Corporation	DATE	9/5/00	
WELL NAME	<b>NBU #343</b>	TD	7,100' MD/TVD	
FIELD	NBU	COUNTY	Uintah	STATE
			Utah	
SURFACE LOCATION	903' FNL & 1754' FEL, Section 8 T10S-R22E			ELEVATION
OBJECTIVE ZONE(S)	Wasatch			5,050' KB
ADDITIONAL INFO				BHL
				Straight Hole



## 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
						2.13	1.34	1.36

- 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	4040	Premium Lite II + 3 lb/sk CSE + 0.5% Sodium Metasilicate + 10% Gel + 0.25 lb/sk Cello Flake + 3% Salt + 3 lb/sk Kol Seal	520	100%	11.00	3.44
	TAIL	3060	50/50 POZ + 0.1% R-3 + 1% EC-1 + 0.2% Sodium Metasilicate + 2% Gel + 0.5% FL-25 + 3% Salt	1000	75%	14.5	1.23

\* or 15% over caliper log

### FLOAT EQUIPMENT & CENTRALIZERS

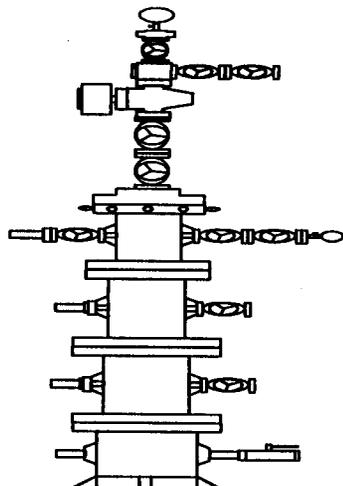
SURFACE	Guide shoe, 1 jt, float collar. Centralize first 3 joints & every other joint to surface with bow spring centralizers. Thread lock FE up to & including pin end of FC.
PRODUCTION	Guide shoe, 1 jt, float collar. Centralize first 3 joints & every other joint to top of tail cement with bow spring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

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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 - TD	7-7/8"	SEC XS44	Air/Mist	New	16-16-16	
			Aerated			

If an additional bit is required use another insert.

---



---



---

**GEOLOGICAL DATA**

**LOGGING:**

Depth	Log Type
SC - TD	Platform Express

**MUD LOGGER:**

SC - TD

**SAMPLES:**

As per Geology

**CORING:**

NA

**DST:**

NA

**MUD PROGRAM**

DEPTH	TYPE	MUD WT	WATER		TREATMENT
			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.

OCT 02 2000

**ADDITIONAL INFORMATION**

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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:**

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 10/02/2000

API NO. ASSIGNED: 43-047-33719
--------------------------------

WELL NAME: NBU 343  
 OPERATOR: COASTAL OIL & GAS CORP ( N0230 )  
 CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:

NWNE 08 100S 220E  
 SURFACE: 0903 FNL 1754 FEL  
 BOTTOM: 0903 FNL 1754 FEL  
 UINTAH  
 NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1-Federal  
 LEASE NUMBER: U-01196-C  
 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 ft. Unit Boundary & Uncomm. Tract.
- R649-3-11. Directional Drill

COMMENTS: \*NBK is Ouray Field, SDP, separate file.

STIPULATIONS: ① FEDERAL APPROVAL  
 ② OIL SHALE



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

5. Lease Serial No.  
**U-01196-C**

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.  
**NBU #343**

9. API Well No.  
**N/A 43-647-33719**

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

11. County or Parish, State  
**Uintah Utah**

**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)  
**NW/NE Sec. 8, T10S, R22E**

**903' FNL & 1754' FEL**

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 <u>Location Layout</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<u>Revision</u>
	<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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate 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 final site is ready for final inspection.)

**Please refer to the attached revised Location Layout as discussed during the Onsite Inspection.**

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OIL, GAS AND MINING**

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)  
**Cheryl Cameron**

Title  
**Sr. Regulatory Analyst**

Date **11/3/00**

**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

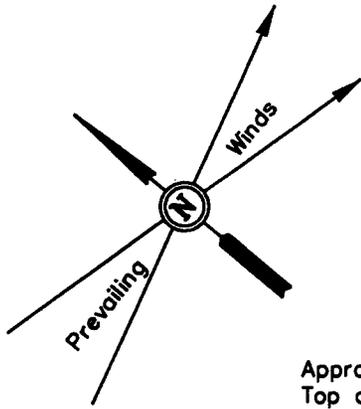
Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

COASTAL OIL & GAS CORP.

FIGURE #1

LOCATION LAYOUT FOR

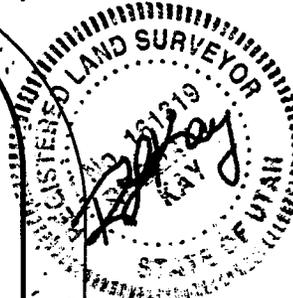
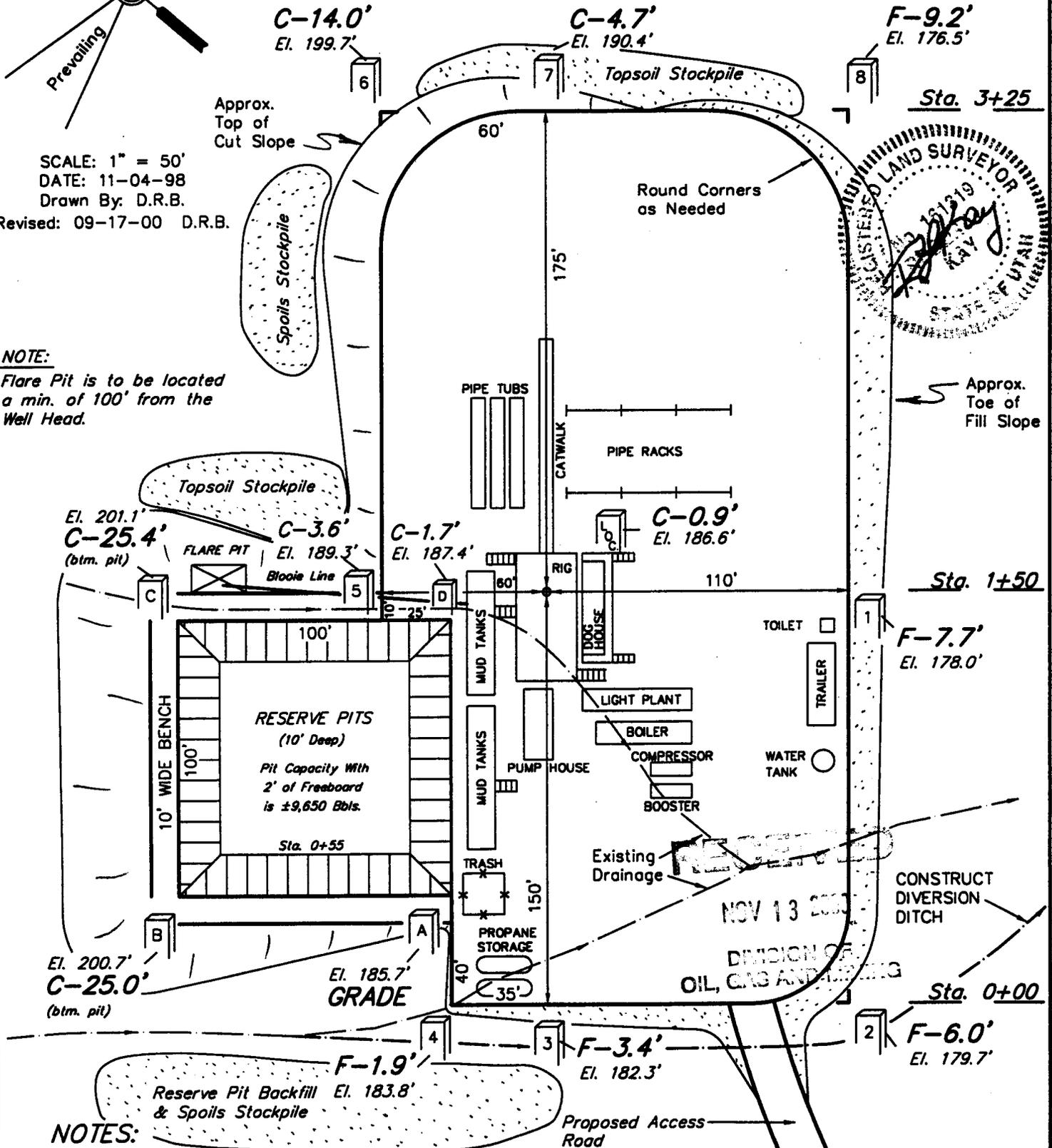
NBU #343  
SECTION 8, T10S, R22E, S.L.B.&M.  
903' FNL 1754' FEL



SCALE: 1" = 50'  
DATE: 11-04-98  
Drawn By: D.R.B.  
Revised: 09-17-00 D.R.B.

NOTE:

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5186.6'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5185.7'

**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-01196-C</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>	3b. Phone No. (include area code) <b>(435)-781-7023</b>	8. Lease Name and Well No. <b>NBU #343</b>
4. Location of Well (Report location clearly and in accordance with any State requirements)* At surface <b>NW NE</b>  At proposed prod. zone <b>903'FNL &amp; 1754'FEL</b>		9. API Well No. <b>N/A</b>
14. Distance in miles and direction from nearest town or post office* <b>23.6 Miles Southeast of Oquir, Utah</b>		10. Field and Pool, or Exploratory <b>Natural Buttes Field</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drg. unit line, if any) <b>903'</b>	16. No. of Acres in lease <b>400</b>	11. Sec., T., R., M., or Blk. and Survey or Area <b>Section 8-T10S-R22E</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>7100'</b>	12. County or Parish <b>Utah</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>5186.6' Ungraded GR</b>	22. Approximate date work will start* <b>Upon Approval</b>	13. State <b>Utah</b>
		17. Spacing Unit dedicated to this well <b>N/A</b>
		20. BLM/BIA Bond No. on file <b>U-605382-9</b>
		23. Estimated duration <b>To Be Determined</b>

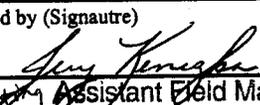
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**SEP 29 2000**

**24. Attachments**

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

- |  |  |
|--|--|
| <ol style="list-style-type: none"> <li>Well plat certified by a registered surveyor.</li> <li>A Drilling Plan</li> <li>A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).</li> </ol> | <ol style="list-style-type: none"> <li>Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>Operator certification.</li> <li>Such other site specific information and/or plans as may be required by the authorized officer.</li> </ol> |
|--|--|

25. Signature 	Name (Printed/Typed) <b>Cheryl Cameron</b>	Date <b>9/26/00</b>
---	---	------------------------

Approved by (Signature) 	Name (Printed/Typed)	Date
--	----------------------	------

Title <b>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.

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.

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\*(Instructions on Reverse)

**NOV 14 2000**  
DIVISION OF  
OIL, GAS AND MINING

**CONDITIONS OF APPROVAL ATTACHED**

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Coastal Oil & Gas Corporation

Well Name & Number: NBU 343

API Number: 43-047-33719

Lease Number: U-01196-C

Location: NWNE Sec. 08 T. 10S R. 22E

Agreement: Natural Buttes Unit

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OIL, GAS AND MINING

**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 1,090 ft.

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CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL

- The reserve pit topsoil should be piled separate from the location topsoil.
- The location topsoil pile will be seeded immediately after the soil is piled by broadcasting the seed, then walking the topsoil pile with the dozer to plant the seed. The following seed mix will be used for reclamation of the well as well as for seeding the topsoil instead of the mix listed in the APD:

Shadscale	Atriplex confertifolia	4 lbs/acre
Gardner saltbush	Atriplex gardneri	4 lbs/acre
Blacksage	Artemisia nova	4 lbs/acre

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 should be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.
- When the reserve pit has been reclaimed, a drainage ditch shall be constructed along the entire north side of the location to catch and divert runoff water which will enter the location.
- It is not necessary to install the 18" culvert on the access road as shown on the cut sheet.

RECEIVED

NOV 14 2000

DIVISION OF  
OIL, GAS AND MINING



**Coastal**  
The Energy People

December 12, 2000

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

**ATTENTION: Lisha Cordova**

Dear Lisha,

The location for the NBU # 343 proposed well to be drilled in the NW/NE Sec. 8, T10S-R22E, Uintah County, is 903'FNL & 1754'FEL of said Sec. 8. This location is not within 460 feet from the boundary of the Natural Buttes Unit, nor is it within 460 feet if any non-committed tract lying within the boundaries of the Unit.

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

Sincerely,

Cheryl Cameron  
Sr. Regulatory Analyst

SU/WF

**RECEIVED**

DEC 14 2000

DIVISION OF  
OIL, GAS AND MINING

**Coastal Oil & Gas Corporation**

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



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)

December 19, 2000

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

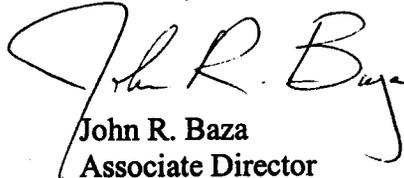
Re: Natural Buttes Unit 343 Well, 903' FNL, 1754' FEL, NW NE, Sec. 8, T. 10 South,  
R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-33719.

Sincerely,



John R. Baza  
Associate Director

er

Enclosures

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

**Operator:** Coastal Oil & Gas Corporation

**Well Name & Number** Natural Buttes Unit 343

**API Number:** 43-047-33719

**Lease:** U 01196-C

**Location:** NW NE      **Sec.** 8      **T.** 10 South      **R.** 22 East

### **Conditions of Approval**

**1. General**

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

**2. Notification Requirements**

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

**3. Reporting Requirements**

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

- 4. 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.**

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

OPERATOR Coastal Oil & Gas Corporation  
 ADDRESS P.O. Box 1148  
Vernal UT 84078

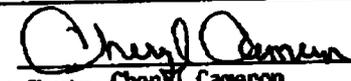
OPERATOR ACCT. NO. N 80230

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION				COUNTY	SPUD DATE	EFFECTIVE DATE
					OO	SC	TP	RG			
B	99999	2900	43-047-33719	NBU #343	NW/NE	8	10S	22E	Uintah	2/5/01	2/5/01
WELL 1 COMMENTS: 2-9-01 CODE B: SPUD @ 11:00 a.m. 2/5/01 w/Bill Martin Jr. Rathole Service											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
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.

  
 Signature Cheryl Cameron  
 Senior Regulatory Analyst 2/7/01  
 Title Date  
 Phone No. 435 781-7023

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

5. Lease Serial No.

**U-01196-C**

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.

**NBU #343**

9. API Well No.

**43-047-33719**

10. Field and Pool, or Exploratory Area

**Natural Buttes Field**

11. County or Parish, State

**Utah Utah**

**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)

**NW/NE Sec. 8, T10S, R22E  
903' FNL & 1754' FEL**

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 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 final site is ready for final inspection.)

**SPUD well 11:00 a.m. w/Bill Martin Jr. Rathole Service 2/5/01**

**Drilled 255' of 12 1/4" hole.**

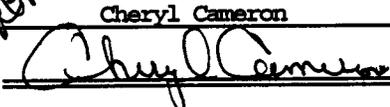
**RIH w/8 5/8" 24# J-55 LT&C csg.**

**Pump 10 Ebl H2O, 20 Ebl Gal. Pump 130 SKS Prem Plus cmt @15.6#/gal 1.18 cu/ft w/2% CaCl2, 1/8# Poly Flake. Drop Plug. Displace 13.5 Ebl. 8 Ebl cmt to pit.**

**RECEIVED**

**FEB 12 2001**

**DIVISION OF  
OIL, GAS AND MINING**

I hereby certify that the foregoing is true and correct Name (Printed/Typed) <b>Cheryl Cameron</b> 	Title
	<b>Senior Regulatory Analyst</b>
	Date <b>2/7/01</b>

**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, 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.

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

5. Lease Serial No. <b>U-01196-C</b>	
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA Agreement, Name and No.	
8. Lease Name and Well No. <b>NBU #343</b>	
9. API Well No. <b>4304733719</b>	
10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>	11. County or Parish, State <b>UINTAH, UT</b>

**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**  
**CONTACT: CHERYL CAMERON OPERATIONS**  
**EMAIL: Cheryl.Cameron@CoastalCorp.com**

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

3b. Phone No. (include area code)  
**TEL: 435.781.7023 EXT:**  
**FAX: 435.789.4436**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 8 T10S R22E NWNE 903FNL 1754FEL**

**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"/> <b>OTHER SUNDRY NOTICE</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 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.)

**Finished drlg @ 255' - 6885'. RIH w/ 6712' 4.5" 11.6# csg. Cmt w/ 350 sx Hifill mix @ 11 ppg, 3.83 cu/ft. Tail w/ 1200 sx 50/50 POZ G mix @ 14.3 ppg, 1.27 cu/ft. Displace w/ 104 Bbls H2O. Clean mud tanks. Release rig @ 12:30 pm 3/1/01.**

**RECEIVED**

**MAR 19 2001**

**DIVISION OF  
OIL, GAS AND MINING**

Name (Printed/Typed)	Title
Signature	Date

**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

**ELECTRONIC SUBMISSION #2915 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR COASTAL OIL & GAS CORPORATION SENT TO THE VERNAL FIELD OFFICE**

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. <b>U-01196-C</b>
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 <b>COASTAL OIL &amp; GAS CORPORATION CONTACT: CHERYL CAMERON OPERATIONS EMAIL: Cheryl.Cameron@CoastalCorp.com</b>		7. If Unit or CA Agreement, Name and No. <b>NATL BUTTES UNIT</b>
3a. Address <b>P.O. BOX 1148 VERNAL, UT 84078</b>		8. Lease Name and Well No. <b>NATURAL BUTTES UNIT #343</b>
3b. Phone No. (include area code) <b>TEL: 435.781.7023 EXT: FAX: 435.789.4436</b>		9. API Well No. <b>4304733719</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Sec 8 T10S R22E NWNE 903FNL 1754FEL</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH, UT</b>

**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-U
	<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 recomplate 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.)

**SUBJECT WELL PLACED ON PRODUCTION 03/12/01**  
**REFER TO CHRONOLOGICAL WELL HISTORY**

**RECEIVED**

APR 05 2001

DIVISION OF  
OIL, GAS AND MINING

Name (Printed/Typed)	Title
Signature <i>Cheryl Cameron</i>	Date <i>3/30/01</i>

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 #3339 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR COASTAL OIL & GAS CORPORATION SENT TO THE VERNAL FIELD OFFICE**

THE OIL & GAS CORPORATION  
PRODUCTION REPORT  
CHRONOLOGICAL HISTORY



**NBU 343**

Page 1

Natureal Buttes Field

UINTAH COUNTY, UT

PBTD: 6634 PERFS:

CSG: 4 1/2" 11.6#, K-55, LT&C @ 6679' 8/8<sup>TH</sup>

AFE DESCR. DRILL AND COMPLETE WASATCH, AFE: 051799

- 3/7/01 PREP TO RUN CBL & PERF**  
PROG: MIRU PU & RIH W/3 7/8" BIT ON 2 3/8" TBG. TAG PBTD @ 6634'. PICKLE TBG W/3 BBLs 15% HCL. SPOT 300 GALS 15% HCL ACROSS PERF INTERVAL.
- 3/8/01 PREP TO FRAC**  
PROG: RUN CBL FROM 6634'-4380' & FROM 1950'-1380'. PRESS TST 4 1/2" X 8 5/8" CSG TO 500#. LEAKED OFF. PERF WASATCH 6602'-6608', 4 SPF, 24 HOLES. BRK DN PERFS W/1900# @ 4 BPM - ISIP: 2000#, FG: 0.74.
- 3/9/01 PREP TO DO CPB'S**  
PROG: STAGE 1: FRAC PERFS 6602'-6608' W/35,000# 20/40 SD W/PROP NET IN LAST 10% SD & 417 BBLs YF115ST LIQ GEL. ISIP: 2266#, FG: 0.78, NET PRESS INCR: 266#, MTP: 3854#, ATP: 2826#, MTR: 25.6 BPM, ATR: 23.5 BPM, RIH W/CBP & PERF GUN. SET CBP @ 6550'.  
STAGE 2: PERF WASATCH 6384'-6392', 4 SPF, 32 HOLES. ATTEMPT TO BRK DN PERFS W/5000#. UNSUCCESSFUL. DUMP 12 GALS 15% HCL ACROSS PERFS. BRK DN PERFS W/3880# - ISIP: 1700#, FG: 0.61. FRAC W/39,000# 20/40 SD W/PROP NET IN LAST 10% SD & 453 BBLs YF113ST LIQ GEL. ISIP: 2100#, FG: 0.76, NET PRESS INCR: 400#, MTP: 3698#, ATP: 2447#, MTR: 267 BPM, ATR: 23.3 BPM. RIH W/CBP & PERF GUN. SET CBP @ 6330'.  
STAGE 3: PERF WASATCH 6144'-6154', 4 SPF, 40 HOLES. BRK DN PERFS W/3316# - ISIP: 1220#, FG: 0.63. FRAC W/41,000# 20/40 SD W/PROP NET IN LAST 10% SD & 458 BBLs YF113ST LIQ GEL. ISIP: 1745#, FG: 0.72, NET PRESS INCR: 525#, MTP: 2699#, ATP: 2019#, MTR: 25.3 BPM, ATR: 32.9 BPM. RIH W/CBP & PERF GUN. SET CBP @ 6100'.  
STAGE 4: PERF WASATCH 5702'-5706', 4 SPF, 16 HOLES & 5682'-5686', 4 SPF, 16 HOLES. BRK DN PERFS W/2938# @ 3.5 BPM - ISIP: 900#, FG: 0.59. FRAC W/39,800# 20/40 SD W/PROP NET IN LAST 10% SD & 444 BBLs YF113ST LIQ GEL. ISIP: 1830#, FG: 0.76, NET PRESS INCR: 930#, MTP: 3166#, ATP: 2233#, MTR: 30.7 BPM, ATR: 27.7 BPM, RIH W/CBP & PERF GUN. SET CBP @ 5630'.  
STAGE 5: PERF WASATCH 5354'-5364', 4 SPF, 40 HOLES. BRK DN W/2585# @ 3.5 BPM - ISIP: 850#, FG: 0.59. FRAC W/50,500# 20/40 SD W/PROP NET IN LAST 10% SD & 545 BBLs YF113ST LIQ GEL. ISIP: 1651#, FG: 0.71, NET PRESS INCR: 801#, MTP: 2207#, ATP: 1633#, MTR: 25.1 BPM, ATR: 22.6 BPM. RIH W/CBP & PERF GUN. SET CBP @ 5320'.  
STAGE 6: PERF WASATCH 5276'-5286', 4 SPF, 40 HOLES. BRK DN W/2882# @ 1.5 BPM - ISIP: 1400#, FG: 0.70. FRAC W/42,660# 20/40 SD W/PROP NET IN LAST 10% SD & 488 BBLs YF113ST LIQ GEL. ISIP: 1747#, FG: 0.76, NET PRESS INCR: 347#, MTP: 4200#, ATP: 1957#, MTR: 24.3 BPM, ATR: 19.7 BPM. RIH & SET CBP @ 5195'. PU 3 7/8" BIT & RIH TO CBP @ 5191'.
- 3/12/01 PUT ON SALE THIS AM**  
3/10/01 PROG: EST CIRC W/AIR FOAM UNIT. DRILLED ON CBP @ 5195'. RIH & TAGGED SD @ 5281'. CO & DRILLED OUT CBP @ 5320'. RIH & TAGGED SD @ 5430'. CO & DRILLED OUT CBP @ 5630'. RIH & TAGGED SD @ 6058'. CO & DRILLED OUT CBP @ 6100'. RIH & TAGGED SD @ 6250'. CO & DRILLED OUT CBP @ 6330'. RIH & TAGGED SD @ 6535'. CO & DRILLED OUT CBP @ 6550'. CIRC WELL CLEAN TO PBTD @ 6651'. PUH & LANDED TBG @ 6543'. DROP BALL. ND BOP & NU TREE. PUMPED OFF BIT @ 1800#. STARTED FLOWBACK TO FLAT TANK. FLOWED SIX HRS. CP: 300#-750#, FTP: 50#-100#, CHK: FULL TO 32/64", BWPH: 35-43, SD: CLEAN. REC 284 BBLs, LLTR: 1253 BBLs.  
3/11/01 PROG: FLOWED BACK 24 HRS, CP: 800#-650#, FTP: 200#-105#, CHK: 32/64", BWPH: 20-15, SD: LIGHT TO TRACE, REC: 483 BBLs, LLTR: 770 BBLs.  
3/12/01 PROG: FLOWED BACK 24 HRS, CP: 650#-700#, FTP: 150#-260#, CHK: 32/64", BWPH: 15-10, SD: TRACE TO CLEAN. REC: 481 BBLs, LLTR: 289 BBLs.
- 3/13/01 ON SALES**  
PROG: PUT TO SALES @ 8:45 AM. SPOT READING WAS 1025 MCFD, CHK 22/64", FTP: 550#, CP: 850#, MAKING EST 5 BWPH, LP: 82#.

3/14/01

**ON SALES**

PROG: 626 MCF, O BC, IN 19 HRS ON 24/64" CHK, FTP - 500, 80#, LP: 99#.

3/15/01

**ON SALES**

PROG: 779 MCF, O BC, 130 BW, IN 24 HRS ON 26/64" CHK, FTP: 301#, CP: 781#, LP: 96#, 39 BBL LLTR.

3/16/01

**ON SALES**

PROG: 850 MCF, O BC, 135 BW, IN 24 HRS ON 26/64" CHK, FTP: 251#, CP: 665#, LP: 91#, 96 BBL OVER LOAD.

3/19/01

**ON SALES**

3/17/01 PROG: FLWD 903 MCF, 180 BW, FTP: 231#, CP: 610#, 34/64" CHK, 24 HRS, LP: 125#.

3/18/01 PROG: FLWD 895 MCF, 182 BW, FTP: 219#, CP: 581#, 36/64" CHK, 24 HRS, LP: 80#.

3/19/01 PROG: FLWD 893 MCF, 115 BW, FTP: 213#, CP: 564#, 64/64" CHK, 24 HRS, LP: 220#.

**FINAL REPORT**. IP DATE: 3/16/01 FLWG 903 MCF, 180 BW, FTP: 231, CP: 610#, 34/64" CHK, 24 HRS, LP: 125#.

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Form 3160-4  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well:  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Workover  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

2. Name of Operator **COASTAL OIL & GAS CORPORATION** CONTACT: **CHERYL CAMERON**  
 EMAIL: **Cheryl.Cameron@CoastalCorp.com**

3. Address **P.O. BOX 1148 VERNAL, UT 84078** 3a. Phone No. (include area code)  
**TEL: 435.781.7023 EXT:**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At Surface **NWNE 903FNL 1754FEL**

At top prod. interval reported below

At total depth

14. Date Spudded **2/5/01** 15. Date T.D. Reached **3/2/01** 16. Date Completed **3/12/01**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**5186 GL**

18. Total Depth: MD **6885** TVD \_\_\_\_\_ 19. Plug Back T.D.: MD **6651** TVD \_\_\_\_\_ 20. Depth Bridge Plug Set: MD \_\_\_\_\_ TVD \_\_\_\_\_

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**W/CBL-CCL-GR - 3-9-01 PL/LD/CN - 3-14-01**

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 Cemen- ter Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	8.625 J-55	24		251		130			
7.875	4.5 K-55	11.6		6679		1580			

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	6542							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	6602	6608	6602 To 6608		24	
B) WASTCH	6384	6392	6384 To 6392		32	
C) WASATCH	6144	6154	6144 To 6154		40	
D) WASATCH	5682	5706	5682 To 5706			

**RECEIVED**

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

Depth Interval	Amount and Type of Material
5354 To 5364	W/50500 20/40 SD W/PROP NET IN LAST 10 SD
5682 To 5706	W/39800 20/40 SD W/PROP NET IN LAST 10% SD
6144 To 6154	W/41000 20/40SD W/PROP NET IN LAST 10% SD
6384 To 6392	W/39000 20/40 SD W/PROP NET IN LAST 10% SD
6602 To 6608	W/35000 20/40 SD W/PROP NET IN LAST 10% SD

APR 12 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
3/12/01	3/16/01	24	→	0	903	180			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34/64	231	610	→	0	903	180		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
3/12/01	3/16/01	24	→	0	903	180			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34/64	231	610	→	0	903	180		PRODUCING GAS WELL	

(See instructions and spaces for additional data on reverse side)  
 ELECTRONIC SUBMISSION #3601 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
3/12/01	3/16/01	24	→	0	903	180			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34/64	231 SI	610	→	0	903	180		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
3/12/01	3/16/01	24	→	0	903	180			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
34/64	231 SI	610	→	0	903	180		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	1358 4413

32. Additional remarks (include plugging procedure):

- PER WASATCH 6602'-6608' 24 HOLES -FRAC W/35000# 20/40 SD W/PROP NET IN LAST 10% SD & 417 BBLs YF113ST LQ/GEL.
- PERF WASATCH 6384'-6392 32 HOLES -FRAC W/39000# 20/40 SD W/PROP NET IN LAST 10% SD & 453 BBLs YF113ST LQ/GEL.
- PERF WASTACH 6144'-6154'40 HOLES -FRAC W/41000# 20/40 SD W/PROP NET IN LAST 10% SD & 458 BBLs YF113ST LQ/GEL.
- PERF WASATCH 5682'-5706 32 HOLES -FRAC W/39800# 20/40 SD W/PROP NET IN LAST 10%SD & 444 BBLs YF113ST LQ/GEL.
- PERF WASATCH 5354'-5364'40 HOLES -FRAC W/50500# 20/40 SD W/PROP NET IN LAST 10% SD & 545 BBLs YF113ST LQ/GEL.
- PERF WASATCH 5276'-5286'40 HOLES -FRAC W/42660# 20/40 SD W/PROP NET IN LAST 10% SD & 488 BBLs YF113ST LQ/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 4/11/01

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and wilfully 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 #3601 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR COASTAL OIL & GAS CORPORATION SENT TO THE VERNAL FIELD OFFICE

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

COUNTY:  
STATE: UTAH

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

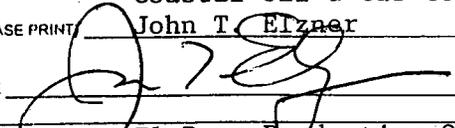
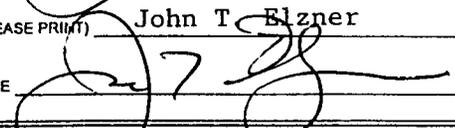
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation		
NAME (PLEASE PRINT) John T. Elzner	TITLE Vice President	
SIGNATURE 	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 14 2001

DIVISION OF  
OIL, GAS AND MINING



*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

0610204 8100

AUTHENTICATION: 1061007

010162788

DATE: 04-03-01

**CERTIFICATE OF AMENDMENT**

**OF**

**CERTIFICATE OF INCORPORATION**

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

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

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

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

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

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

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

COASTAL OIL & GAS CORPORATION



David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

**RECEIVED**

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

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

**RECEIVED**

JUL 12 2001

**DIVISION OF  
OIL, GAS AND MINING**

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

JUL 10 2001

### NOTICE

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

#### Name Change Recognized

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

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

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

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

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



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
~~State of Utah, 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 141	43-047-32017	2900	06-10S-22E	FEDERAL	GW	P
CIGE 179-6-10-22	43-047-32400	2900	06-10S-22E	FEDERAL	GW	P
NBU 243	43-047-32930	2900	06-10S-22E	FEDERAL	GW	P
CIGE 196-6-10-22	43-047-33003	2900	06-10S-22E	FEDERAL	GW	P
NBU 340X	43-047-34015	2900	06-10S-22E	FEDERAL	GW	P
NBU 341	43-047-33726	2900	06-10S-22E	FEDERAL	GW	P
NBU 244	43-047-32931	2900	07-10S-22E	FEDERAL	GW	P
NBU 342	43-047-33727	2900	07-10S-22E	FEDERAL	GW	P
NBU 245	43-047-33004	2900	08-10S-22E	FEDERAL	GW	P
<b>NBU 343</b>	43-047-33719	2900	08-10S-22E	FEDERAL	GW	P
CIGE 250	43-047-33743	2900	08-10S-22E	FEDERAL	GW	P
UTE TRAIL U 83X-9H	43-047-15388	2900	09-10S-22E	FEDERAL	GW	P
NBU CIGE 14-9-10-22	43-047-30484	2900	09-10S-22E	FEDERAL	GW	P
NBU 152	43-047-31990	2900	09-10S-22E	FEDERAL	GW	P
NBU 151	43-047-31991	2900	09-10S-22E	FEDERAL	GW	P
NBU 150	43-047-31992	2900	09-10S-22E	FEDERAL	GW	P
NBU 204	43-047-32342	2900	09-10S-22E	FEDERAL	GW	P
NBU 205	43-047-32344	2900	09-10S-22E	FEDERAL	GW	P
NBU 291	43-047-32911	2900	09-10S-22E	FEDERAL	GW	P
NBU 292	43-047-33474	2900	09-10S-22E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

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

5. If **NO**, the operator was contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communitization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: 07/10/2001
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/08/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/08/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE BOND VERIFICATION:**

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

**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: WY 2793

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

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

**FILMING:**

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

**FILING:**

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

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



JAN. 17. 2003 3:34PM

WESTPORT

NO. 173 P. 2

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

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

February 1, 2002

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

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

Dear Ms. Maxwell:

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

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

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

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

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

Debby J. Black  
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

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

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

NOTICE

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

Name Change Recognized

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

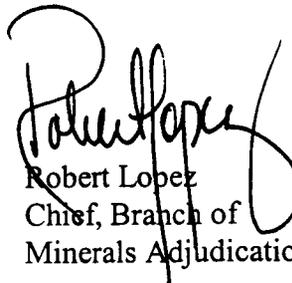
For our purposes, the name change is recognized effective December 31, 2001.

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

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

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

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



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

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

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

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

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

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

We have no objection.

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

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

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

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





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,

Director, Office of Trust Responsibilities

**ACTING**

Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO  
UT-922

February 27, 2003

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

Re: Natural Buttes Unit  
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks  
Chief, Branch of Fluid Minerals

Enclosure

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

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

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

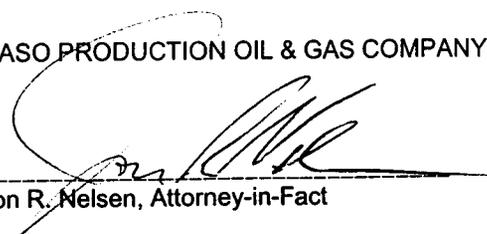
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 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.		TITLE	Agent and Attorney-in-Fact
NAME (PLEASE PRINT)	David R. Dix	DATE	12/17/02
SIGNATURE			

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

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

7. If Unit or CA/Agreement, Name and/or No.  
8. Well Name and No.  
**SEE ATTACHED EXHIBIT "A"**

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

9. API Well No.  
**SEE ATTACHED EXHIBIT "A"**  
10. Field and Pool, or Exploratory Area

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

**SEE ATTACHED EXHIBIT "A"**

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

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

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

**SUCCESSOR OF OPERATOR**

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

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

RECEIVED  
MAR 04 2003

DEPT. OF OIL, GAS & MINING

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

Name (Printed/Typed)  
**CHERYL CAMERON**

Title  
**OPERATIONS**

Signature  
*Cheryl Cameron*

Date  
**March 4, 2003**

THIS SPACE FOR FEDERAL OR STATE USE

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_  
Office \_\_\_\_\_

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

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

(Instructions on reverse)

**OPERATOR CHANGE WORKSHEET**

**ROUTING**

1. GLH
2. CDW ✓
3. FILE

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

Designation of Agent/Operator

Operator Name Change

Merger

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

<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
NBU 141	06-10S-22E	43-047-32017	2900	FEDERAL	GW	P
CIGE 179-6-10-22	06-10S-22E	43-047-32400	2900	FEDERAL	GW	P
NBU 243	06-10S-22E	43-047-32930	2900	FEDERAL	GW	P
NBU 116	06-10S-22E	43-047-31925	2900	FEDERAL	GW	P
NBU CIGE 74D-6-10-22P	06-10S-22E	43-047-30953	2900	FEDERAL	GW	S
CIGE 196-6-10-22P	06-10S-22E	43-047-33003	2900	FEDERAL	GW	P
NBU 341	06-10S-22E	43-047-33726	2900	FEDERAL	GW	P
NBU 340	06-10S-22E	43-047-33725	2900	FEDERAL	GW	PA
NBU 340X	06-10S-22E	43-047-34015	2900	FEDERAL	GW	P
NBU CIGE 53-6-10-22	06-10S-22E	43-047-30533	2900	FEDERAL	GW	PA
NBU 84V	06-10S-22E	43-047-31245	2900	FEDERAL	GW	PA
NBU 344	07-10S-22E	43-047-32931	2900	FEDERAL	GW	P
CIGE 282	07-10S-22E	43-047-34436	2900	STATE	GW	P
NBU CIGE 23-7-10-22	07-10S-22E	43-047-30333	2900	STATE	GW	P
NBU CIGE 83D-7-10-22	07-10S-22E	43-047-30865	2900	STATE	GW	PA
CIGE 141-7-10-22	07-10S-22E	43-047-31970	2900	FEDERAL	GW	PA
NBU 470	07-10S-22E	43-047-34833	99999	STATE	GW	APD
<b>NBU 343</b>	08-10S-22E	43-047-33719	2900	FEDERAL	GW	P
CIGE 250	08-10S-22E	43-047-33743	2900	FEDERAL	GW	P
NBU 245	08-10S-22E	43-047-33004	2900	FEDERAL	GW	P

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

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

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

8. **Federal and Indian Units:**

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

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

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

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

**DATA ENTRY:**

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

**STATE WELL(S) BOND VERIFICATION:**

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

**FEDERAL WELL(S) BOND VERIFICATION:**

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

**INDIAN WELL(S) BOND VERIFICATION:**

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

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238

2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

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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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. Multiple Wells - see attached
2. Name of Operator WESTPORT OIL & GAS COMPANY, L.P.		6. If Indian, Allottee or Tribe Name
3a. Address P.O. BOX 1148 VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-	7. If Unit or CA/Agreement, Name and/or No. 891008900A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Multiple Wells - see attached		8. Well Name and No. Multiple Wells - see attached
		9. API Well No. Multiple Wells - see attached
		10. Field and Pool, or Exploratory Area Natural Buttes Unit
		11. County or Parish, State Uintah County, UT

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

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

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

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

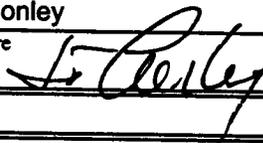
The volume lost to shrinkage by dropping the tank pressure from 6 ozs. to 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average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

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

Name (Printed/Typed)

J.T. Conley

Signature



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

Title

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 boxes 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

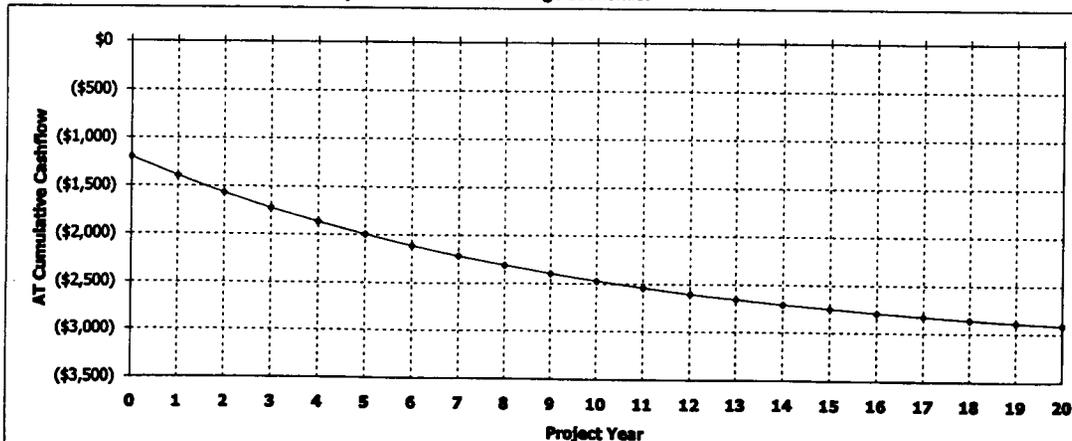
<p><b>Project Life:</b>                  Life = <input type="text" value="20.0"/> Years                  (Life no longer than 20 years)</p> <p><b>Internal Rate of Return:</b>                  After Tax IROR = <input type="text" value="#DIV/0!"/></p> <p><b>AT Cum Cashflow:</b>                  Operating Cashflow = <input type="text" value="(\$2,917)"/> (Discounted @ 10%)</p>	<p><b>Payout Calculation:</b></p> $\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$ <p>Payout occurs when total AT cashflow equals investment                  See graph below, note years when cashflow reaches zero</p> <p>Payout = <input type="text" value="NEVER"/> Years or <input type="text" value="#VALUE!"/> Days</p>
--	---

<b>Gross Reserves:</b>	
Oil Reserves =	6 BO
Gas Reserves =	0 MCF
Gas Equiv Reserves =	38 MCFE

**Notes/Assumptions:**

**An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 4 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.**

Project: Condensate Shrinkage Economics



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

**COMPARISON OF FLASH BACK PRESSURES**

Calculated by Characterized Equation-of-State

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

**Calculated at Laboratory Flash Conditions**

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

**Calculated Flash with Backpressure using Tuned EOS**

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

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

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

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

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

WELL	LEGALS	STFLEASENO	CANUMBER	APINO
NBU 332	10-10-21 NWSW	UTU01416A	891008900A	430473364000S1
NBU 333	13-10-21 SWSW	ML23608	891008900A	430473364100S1 ✓
NBU 335	4-10-22 SENE	UTU01191	891008900A	430473372400S1
NBU 336	4-10-22 NWNE	U-01191	891008900A	430473402700S1
NBU 337	4-10-22 SENW	U-01191-A	891008900A	430473402000S1
NBU 338	5-10-22 NESE	UTU01191	891008900A	430473405800S1
NBU 339	5-10-22 NWSE	UTU01191	891008900A	430473440600S1
NBU 340	6-10-22 SWNE	UTU01195	891008900A	430473372500S1
NBU 340X	6-10-22 SWNE	UTU01195	891008900A	430473401500S1
NBU 341	6-10-22 SWNW	UTU464	891008900A	430473372600S1
NBU 342	7-10-22 NWSE	UTU468	891008900A	430473372700S1
NBU 343	8-10-22 NWNE	UTU01196C	891008900A	430473371900S1
NBU 344	8-10-22 SWNE	UTU01196C	891008900A	430473402100S1
NBU 345	10-10-22 SWNE	UTU02587	891008900A	430473370400S1 ✓
NBU 345-4E	4-10-21 SWSW	UTU01393B	891008900A	430473470000S1 ✓
NBU 347	11-10-22 NWSW	UTU01197A	891008900A	430473370900S1 ✓
NBU 348	11-10-22 SWSW	UTU01197A-ST	891008900A	430473400100S1
NBU 349	11-10-22 SWSE	UTU01197A-ST	891008900A	430473400200S1 ✓
NBU 350	14-10-22 NWNE	UTU01197A	891008900A	430473364200S1 ✓
NBU 351	30-10-22 SESE	UTU0132568A	891008900A	430473366800S1
NBU 352	9-9-21 SWNW	UTU0149767	891008900A	430473392200S1
NBU 353	27-9-21 SENW	U01194A	891008900A	430473320500S1 ✓
NBU 354	31-9-22 NENW	UTU464	891008900A	430473323100S1
NBU 356	30-9-22 NENW	U463	891008900A	430473323200S1
NBU 357	15-10-21 SWSW	UTU01791A	891008900A	430473372800S1
NBU 358	16-10-21 SESW	ML10755	891008900A	430473370800S1
NBU 359	29-10-21 NWNE	ML21330	891008900A	430473370600S1
NBU 360	29-10-22 SESW	UTU0145824	891008900A	430473377300S1
NBU 361	32-10-22 NWNW	ML22798	891008900A	430473370500S1 ✓
NBU 362	28-9-21 SESW	UTU0576	891008900A	430473377400S1
NBU 363	28-9-21 SESE	UTU0576	891008900A	430473377500S1
NBU 364	29-9-21 SESE	UTU0581	891008900A	430473377600S1
NBU 365	3-10-21 SESE	UTU0149078	891008900A	430473377700S1
NBU 366	10-10-21 NWNW	UTU0149079	891008900A	430473372900S1
NBU 367	11-10-22 NESW	UTU01197A-ST	891008900A	430473370700S1 ✓
NBU 370	17-9-21 NWSW	UTU0575	891008900A	430473467200S1 ✓
NBU 371	8-9-21 SWSE	UTU0575B	891008900A	430473467300S1 ✓
NBU 375	12-9-21 SWNE	UTU0141317	891008900A	430473444000S1 ✓
NBU 376	12-9-21 NENE	UTU0141317	891008900A	430473444100S1 ✓
NBU 377	31-9-21 NENW	UTU0582	891008900A	430473436300S1
NBU 378	31-9-21 NWNE	UTU0582	891008900A	430473436400S1
NBU 381	23-10-22 SESW	UTU01198B	891008900A	430473423400S1
NBU 382	22-10-22 SENW	U-01198-B	891008900A	430473423500S1
NBU 383	21-10-22 SESW	U-489	891008900A	430473423600S1
NBU 384	30-10-22 SENW	UTU0132568A	891008900A	430473423700S1 ✓
NBU 385	18-10-22 SENW	ML22973	891008900A	430473422800S1
NBU 386	17-10-22 NESE	UTU470	891008900A	430473423800S1
NBU 387	23-10-21 SWSE	U-02277-A	891008900A	430473423900S1
NBU 388	22-10-21 SENW	U-02278-A	891008900A	430473424000S1
NBU 389	28-10-21 NENE	ML21329	891008900A	430473422900S1
NBU 390	30-10-21 SESE	ML22793	891008900A	430473423000S1
NBU 391	17-9-21 NWNW	UTU0575	891008900A	430473487400S1
NBU 393	22-9-20 SWNW	U0577B	891008900A	430473486400S1
NBU 394	11-10-22 SWSE	UTU01197A-ST	891008900A	430473480400S1 ✓
NBU 395	27-9-21 SWSW	UTU01194A-ST	891008900A	430473437400S1 ✓
NBU 396	33-9-21 NENW	UTU0576	891008900A	430473448000S1 ✓
NBU 397	26-10-20 NESW	UTU4476	891008900A	430473436500S1
NBU 398	18-10-21 NENW	UTU02270A	891008900A	430473436600S1
NBU 399	14-10-21 NWNW	UTU465	891008900A	430473440900S1
NBU 400	16-10-21 NENW	ML10755	891008900A	430473479400S1
NBU 401	23-10-21 NENE	UTU02278A	891008900A	430473480100S1
NBU 404	32-9-22 SWSE	ML22649	891008900A	430473437500S1 ✓
NBU 405	27-9-21 NENE	UTU01194A-ST	891008900A	430473440700S1 ✓
NBU 407	32-10-22 NENW	ML22798	891008900A	430473431800S1 ✓
NBU 408	31-10-22 NENE	UTU0143551	891008900A	430473459000S1 ✓
NBU 409	32-9-21 NWSW	ML48758	891008900A	430473442100S1 ✓
NBU 410	32-9-21 SWSW	ML48758	891008900A	430473487200S1
NBU 411	32-9-21 SESE	ML48758	891008900A	430473442200S1 ✓
NBU 412	32-10-22 SENW	ML22798	891008900A	430473431900S1 ✓
NBU 413	32-10-22 SWNW	ML22798	891008900A	430473432000S1 ✓
NBU 414	31-10-22 SENE	UTU0143551	891008900A	430473438700S1
NBU 414-20E	20-9-21 NWNE	U0143551/U0575	891008900A	430473477900S1
NBU 415-20E	20-9-21 SWNE	UTU0575	891008900A	430473448900S1 ✓
NBU 416	36-9-20 SESE	ML48757	891008900A	430473442300S1 ✓
NBU 418	12-9-21 NWNW	UTU0141317	891008900A	430473477700S1

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.**

5. Lease Serial No.  
**U-01196-C**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 343**

9. API Well No.  
**43-047-33719**

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**NWNE SECTION 8-T10S-R22E 903'FNL & 1754'FEL**

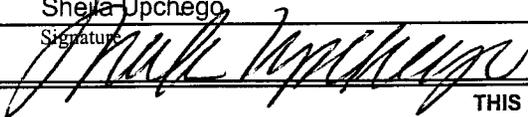
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

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

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.

4/28/05: PMP 2 DRUMS OF 33% HCL ACID DOWN TBG.

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

Name (Printed/Typed) <b>Sheila Upchego</b>	Title <b>Regulatory Analyst</b>
Signature 	Date <b>May 5, 2005</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.

(Instructions on reverse)

**RECEIVED**  
**MAY 10 2005**  
DIV. OF OIL, GAS & MINING

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.*

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

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

1. Type of Well

Oil Well  Gas Well  Other

2. Name of Operator

**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**

**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)

**RANDY BAYNE**

Title

**DRILLING MANAGER**

Signature

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

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

Office

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-01196-C
<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 343
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0903 FNL 1754 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 08 Township: 10.0S Range: 22.0E Meridian: S	<b>9. API NUMBER:</b> 43047337190000
<b>PHONE NUMBER:</b> 720 929-6511	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
	<b>COUNTY:</b> UINTAH
	<b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 1/9/2012	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests approval to abandon the existing Wasatch formation, and recomplete the subject well in the Green River formation. Upon completion of the attached procedure, this well will no longer be a Natural Butte Unit well. This is a federal well with the lease number UTU 01196C. Please see the attached procedure. Thank you.

<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/9/2012	

# Greater Natural Buttes Unit



**NBU 343**

**PLUGBACK WASATCH AND COMPLETE GREEN RIVER**

**DATE:12/29/2011**

**API#:4304733719**

**AFE#**

**USER ID:CKW374** (Frac Invoices Only)

**COMPLETIONS ENGINEER:** James Page, Denver, CO  
720-929-6747 (Office)  
303-501-2731 (Cell)

**SIGNATURE:**

**ENGINEERING MANAGER: JEFF DUFRESNE**

**SIGNATURE:**

**REMEMBER SAFETY FIRST!**

**Name:** NBU 343**Location:** NW NE SEC 8 T10S R22E**LAT: 39.96816 LONG: -109.45979 COORDINATE: NAD27 (Surface Location)****Uintah County, UT****Date:** 12/29/2011**ELEVATIONS:** 5187' GL 5202' KB *Frac Registry TVD: 6885'***TOTAL DEPTH:** 6885' **PBTD:** 6651**SURFACE CASING:** 8 5/8", 24# J-55 @ 251'**PRODUCTION CASING:** 4 1/2", 11.6# K-55 LTC @ 6679'**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# K-55 (See above)	5350	4960	3.875"	0.0155	0.6528
2 3/8" by 5 1/2" Annulus				0.0101	0.4227

**TOPS:**

1186' Green River Top  
 1448' Bird's Nest Top  
 1916' Mahogany Top  
 4408' Wasatch Top

**BOTTOMS:**

\*Based on latest geological interpretation

CBL: Required.

Current CBL shows good bond to top of log at 4400'. CBL required from Surface to at least 4400'

**GENERAL:**

- A minimum of 4 tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 2/28/2001
- 1 fracturing stages required for coverage.
- Procedure calls for 1 CBP's (8000 psi) and 2 CIBP (10,000 psi)
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 20/40 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **4200** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- Originally completed on 3/9/2001

**H2S Data** – H2S maybe present at production facilities.

H2S Data		Year (Timetag), Month (Timetag)							
Location Name	(Column Names)	2011							
		Apr	May	Jun	Jul	Aug	Sep	Nov	Dec
NBU 343	Max(Separator H2S (ppm))	0	100	1	120	3	0	1	0
	Max(Tank H2S (ppm))	0	2	0	2	0	0	0	0

**Existing Perforations:**

<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>
WASATCH		5276	5286	4	40
WASATCH		5354	5364	4	40
WASATCH		5682	5706	1	32
WASATCH		6144	6154	4	40
WASATCH		6384	6392	4	32
WASATCH		6602	6608	4	24

**Relevant History:**

2-10-2001 New drill cemented - 350 sx lead Hifill @ 11ppg, 1200 sx tail 50-50 poz mix @14.3

3/9/2001 Original Wasatch Completion

11/2/2011 Well is currently producing on an intermittant timer. The well will not be able to produce against the line pressure caused by new wells on the same pad. No workover potential can be identified to improve well performance. Recommend plugging back to the Green River and adding a hydraulic pumping unit.

**PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. POOH w/ tubing
3. RUN CBL to surface to ensure good cement over Green River Target
4. PLUG #1, ISOLATE WASATCH PERFORATIONS (5276' – 6608'): RIH W/ 4 ½" CIBP. SET @ ~5250'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER.

PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 25 SX / 28.6 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~5040'). REVERSE CIRCULATE W/ TREATED FRESH WATER.

5. PLUG #2, ABANDON WASATCH @ 4408' RIH W/ 4 1/2" CIBP. SET @ ~ 4610'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 25 SX / 28.6 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~4400'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. ND BOPs and NU frac valves. Test frac valves and casing to 1000 for 15 minutes and to 4200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
Green River	4317	4318	4	4
Green River	4324	4326	4	8
Green River	4344	4346	4	8
Green River	4356	4357	4	4
Green River	4368	4369	4	4
Green River	4381	4382	4	4
- (Note tight spacing between last cement plug abandoning Wasatch formation and deepest Green River Perf. If wireline can't reach 4382' NU BOP's and CO to 4400')
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~4317' and flush only with recycled water.
9. Set 8000 psi CBP at ~4267'. Call for tubing.
10. ND Frac Valves, NU and Test BOPs.
11. TIH with 3 7/8" bit, pump off sub, SN and tubing.
12. Drill 1 plug and clean out to 4400'. Shear off bit and land tubing at **±4270'** unless indicated otherwise by the well's behavior.
13. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
14. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call  
James Page, Denver, CO  
720-929-6747 (Office)  
303-501-2731 (Cell)**

**For field implementation questions, please call  
Jeff Samuels, Vernal, UT  
(435)-781-7046 (Office)**

NOTES:

**If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work  
Verify that the Braden head valve is locked OPEN.**

Acid Pickling and H2S Procedures (If Required)

**\*\*PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBL 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBL 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

\*\* As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

James Page: 720-929-6747, 303-501-2731

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Jordan Portillo: 435/781-9785, 435/828-6221

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222



Name NBU 343

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	Green River	4317	4318	4	4	4316	to	4318
	Green River	4324	4326	4	8	4323	to	4327
	Green River	4344	4346	4	8	4334	to	4341
	Green River	4356	4357	4	4	4355	to	4357
	Green River	4368	4369	4	4	4367	to	4371
	Green River	4381	4382	4	4	4380	to	4384
	# of Perfs/stage				32	CBP DEPTH	4,267	
	Totals				32			

Service Company Supplied Chemicals - Job Totals

Friction Reducer	29	gals @	0.5	GPT
Surfactant	58	gals @	1.0	GPT
Clay Stabilizer	58	gals @	1.0	GPT
15% Hcl	250	gals @	250	gal/stg
Iron Control for acid	1	gals @	5.0	GPT of acid
Surfactant for acid	0	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	1	gals @	2.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	75	gals pumped per schedule above		
Biocide	29	gals @	0.5	GPT

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9  5. LEASE DESIGNATION AND SERIAL NUMBER: U-01196-C
<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
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 343
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047337190000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6514
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0903 FNL 1754 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 08 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES  COUNTY: UINTAH  STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 1/9/2012  <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 checked="" 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"/>

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The operator requests approval to abandon the existing Wasatch formation, and recomplete the subject well in the Green River formation. Upon completion of the attached procedure, this well will no longer be a Natural Butte Unit well. This is a federal well with the lease number UTU 01196C. Please see the attached procedure. Thank you.

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

Date: March 01, 2012

By: *Derek Quist*

NAME (PLEASE PRINT) Jaime Scharnowske	PHONE NUMBER 720 929-6304	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 1/9/2012	



February 28, 2012

Mrs. Diana Mason  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-6100

RE: NBU 343  
T10S-R22E  
Section 8: NWNE  
Surface: 903' FNL, 1,754' FEL  
Uintah County, Utah

Dear Mrs. Mason:

Kerr-McGee Oil & Gas Onshore LP has submitted a permit to recomplete the captioned well to test the Green River formation. The well is located at an exception location to Cause No. 197-10. The surface location of this well location is less than 1,000' from the drilling unit boundary. Kerr-McGee owns 100% of the leasehold in the offset lands and has no objection to the exception location.

Kerr-McGee requests your approval of this exception location. If you have any questions or require any additional information, please do not hesitate to call me at 720-929-6081.

Sincerely,

A handwritten signature in blue ink that reads "Brett Torina".

Brett Torina  
Landman

# Greater Natural Buttes Unit



**NBU 343**

**PLUGBACK WASATCH AND COMPLETE GREEN RIVER**

**DATE:12/29/2011**

**API#:4304733719**

**AFE#**

**USER ID:CKW374** (Frac Invoices Only)

**COMPLETIONS ENGINEER:** James Page, Denver, CO  
720-929-6747 (Office)  
303-501-2731 (Cell)

**SIGNATURE:**

**ENGINEERING MANAGER: JEFF DUFRESNE**

**SIGNATURE:**

**REMEMBER SAFETY FIRST!**

**Name:** NBU 343**Location:** NW NE SEC 8 T10S R22E**LAT: 39.96816 LONG: -109.45979 COORDINATE: NAD27 (Surface Location)****Uintah County, UT****Date:** 12/29/2011**ELEVATIONS:** 5187' GL 5202' KB *Frac Registry TVD: 6885'***TOTAL DEPTH:** 6885' **PBTD:** 6651**SURFACE CASING:** 8 5/8", 24# J-55 @ 251'**PRODUCTION CASING:** 4 1/2", 11.6# K-55 LTC @ 6679'**TUBULAR PROPERTIES:**

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- Originally completed on 3/9/2001

**H2S Data** – H2S maybe present at production facilities.

H2S Data		Year (Timetag), Month (Timetag)							
Location Name	(Column Names)	2011							
		Apr	May	Jun	Jul	Aug	Sep	Nov	Dec
NBU 343	Max(Separator H2S (ppm))	0	100	1	120	3	0	1	0
	Max(Tank H2S (ppm))	0	2	0	2	0	0	0	0

**Existing Perforations:**

<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>
WASATCH		5276	5286	4	40
WASATCH		5354	5364	4	40
WASATCH		5682	5706	1	32
WASATCH		6144	6154	4	40
WASATCH		6384	6392	4	32
WASATCH		6602	6608	4	24

**Relevant History:**

2-10-2001 New drill cemented - 350 sx lead Hifill @ 11ppg, 1200 sx tail 50-50 poz mix @14.3

3/9/2001 Original Wasatch Completion

11/2/2011 Well is currently producing on an intermittent timer. The well will not be able to produce against the line pressure caused by new wells on the same pad. No workover potential can be identified to improve well performance. Recommend plugging back to the Green River and adding a hydraulic pumping unit.

**PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. POOH w/ tubing
3. RUN CBL to surface to ensure good cement over Green River Target
4. PLUG #1, ISOLATE WASATCH PERFORATIONS (5276' – 6608'): RIH W/ 4 ½" CIBP. SET @ ~5250'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER.

PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 25 SX / 28.6 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~5040'). REVERSE CIRCULATE W/ TREATED FRESH WATER.

5. PLUG #2, ABANDON WASATCH @ 4408' RIH W/ 4 1/2" CIBP. SET @ ~ 4610'. RELEASE CIBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 25 SX / 28.6 CUFT. ON TOP OF PLUG. PUH ABOVE TOC (~4400'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. ND BOPs and NU frac valves. Test frac valves and casing to 1000 for 15 minutes and to 4200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 8-5/8" annulus. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
Green River	4317	4318	4	4
Green River	4324	4326	4	8
Green River	4344	4346	4	8
Green River	4356	4357	4	4
Green River	4368	4369	4	4
Green River	4381	4382	4	4

(Note tight spacing between last cement plug abandoning Wasatch formation and deepest Green River Perf. If wireline can't reach 4382' NU BOP's and CO to 4400')

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~4317' and flush only with recycled water.
9. Set 8000 psi CBP at ~4267'. Call for tubing.
10. ND Frac Valves, NU and Test BOPs.
11. TIH with 3 7/8" bit, pump off sub, SN and tubing.
12. Drill 1 plug and clean out to 4400'. Shear off bit and land tubing at **±4270'** unless indicated otherwise by the well's behavior.
13. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
14. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call  
James Page, Denver, CO  
720-929-6747 (Office)  
303-501-2731 (Cell)**

**For field implementation questions, please call  
Jeff Samuels, Vernal, UT  
(435)-781-7046 (Office)**

NOTES:

**If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work  
Verify that the Braden head valve is locked OPEN.**

Acid Pickling and H2S Procedures (If Required)

**\*\*PROCEDURE FOR PUMPING ACID DOWN TBG**

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBL 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBL 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

**\*\* PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBL MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

\*\* As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

Key Contact information

Completion Engineer

James Page: 720-929-6747, 303-501-2731

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

Jordan Portillo: 435/781-9785, 435/828-6221

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

Jeff Samuels: 435-828-6515, 435-781-7046

Completion Manager

Jeff Dufresne: 720-929-6281, 303-241-8428

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222



Name NBU 343

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	Green River	4317	4318	4	4	4316	to	4318
	Green River	4324	4326	4	8	4323	to	4327
	Green River	4344	4346	4	8	4334	to	4341
	Green River	4356	4357	4	4	4355	to	4357
	Green River	4368	4369	4	4	4367	to	4371
	Green River	4381	4382	4	4	4380	to	4384
	# of Perfs/stage				32	CBP DEPTH	4,267	
	Totals				32			

Service Company Supplied Chemicals - Job Totals

Friction Reducer	29	gals @	0.5	GPT
Surfactant	58	gals @	1.0	GPT
Clay Stabilizer	58	gals @	1.0	GPT
15% Hcl	250	gals @	250	gal/stg
Iron Control for acid	1	gals @	5.0	GPT of acid
Surfactant for acid	0	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	1	gals @	2.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	75	gals pumped per schedule above		
Biocide	29	gals @	0.5	GPT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0137  
Expires: October 31, 2014

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
 Other: RECOMPLETION

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE, L.P.

3. Address PO BOX 173779  
DENVER, CO 80217

3a. Phone No. (include area code)  
720-929-6000

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

At surface NWNE 903 FNL 1754 FEL S8,T10S,R22E

At top prod. interval reported below

At total depth

14. Date Spudded  
02/05/2001

15. Date T.D. Reached  
03/02/2001

16. Date Completed 07/11/2012  
 D & A  Ready to Prod.

18. Total Depth: MD 6885  
TVD

19. Plug Back T.D.: MD 6651  
TVD

20. Depth Bridge Plug Set: MD 4800 5240  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

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

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	4419							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	4317	4382	4317-4382	0.36	32	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4317-4382	PUMP 1,113 BBLs SLICK H2O & 56,122 LBS 30/50 OTTAWA SAND 1 STAGE

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
7/11/12	8/20/12	24	→	0	44	0			PUMP
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
0	194	118	→	0	44	0		PRODUCING	

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
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

\*(See instructions and spaces for additional data on page 2)

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AUG 28 2012

DIV. OF OIL, GAS & MINING

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
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

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
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	

29. Disposition of Gas (Solid, 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	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
				GREEN RIVER	1186
				BIRD'S NEST	1448
				MAHOGANY	1916
				WASATCH	4408

32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. New recompletion perforations are: Green River: 4317-4382'. A CIBP was set @ 5240' with 25 sx cement to isolate existing Wasatch perms 5276-6608'. A second CIBP was set at 4800' with 25 sx cement to abandon the Wasatch formation. A hydraulic pumping unit was installed in the well and production is from the Green River.

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  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) CARA MAHLER Title REGULATORY ANALYST  
 Signature \_\_\_\_\_ Date \_\_\_\_\_

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.

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

Well: NBU 343		Spud Date: 2/5/2001	
Project: UTAH-UINTAH		Site: NBU 1022-8B PAD	Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD		Start Date: 5/21/2012	End Date: 6/15/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 343	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/21/2012	7:00 - 7:15	0.25	COMP	48		P		SAFETY = JSA.
	7:15 - 11:30	4.25	COMP	30		P		SICP= 900# SITP= 200#. MIRU. BLOW DOWN HEAD PRESSURE ON CSNG. CNTRL CSNG W/ 45 BBLs TMAC. PUMP TBNG VOL + DOWN TBNG DID NOT CATCH PRESSURE. PLUG IS SET IN TBNG. (SUSPECT HOLE IN TBNG). NDWH. NUBOP. MIRU SCANNERS. POOH WHILE SCANNING TBNG. RESULTS AS FOLLOWS: 90 JTS 2-3/8" J-55 4.7# (Y-BND). 2853' 91 JTS 2-3/8" J-55 4.7# (R-BND). 2885' WALL LOSS. HEAVY PITTING. BAD PINS. CORROSION. HOLES. RDMO SCANNERS.
	11:30 - 16:30	5.00	COMP	34		P		MIRU WIRELINE. RIH W/ JUNK BASKET + GUAGE RING @ 5270'. POOH W/ G-RING & L/D. P/U + RIH W/ HALLIBURTON 4.5" X 10K CIBP. SET @5240'. POOH W/ WIRELINE. SLOWLY TRICKLE FRESH WATER DOWN CSNG UNTIL HOLE WAS FULL. (TRYING NOT TO CREATE BUBBLES THAT WOULD INTERFERE W/ BOND LOG). PRESSURE TEST CSNG GOOD @500# FOR 15MIN. LET WELL SET IDLE FOR +/- 1HR (REMOVE BUBBLES). P/U & RIH W/ BOND LOG TOOLS. LOG FROM 5000' TO SURFACE. RDMO WIRELINE.
	16:30 - 19:00	2.50	COMP	30		P		P/U & RIH W/ 45 JTS 2-3/8" J-55 #4.7 Y-BND TBNG + SN. LEAVE EOT@1426'. SWIFN.
5/22/2012	7:00 - 7:15	0.25	COMP	48		P		SAFETY = JSA.
	7:15 - 18:00	10.75	COMP	30		P		SICP= 0# SITP= 0#. FINISH RIH W/ 161 JTS 2-3/8" J-55 TBNG TOTAL. T/U ON CIBP @5240'. P/U 4'. MIRU CEMENT SERVICE. SPOT 25SX CMNT ON CIBP. POOH W/ 161 JTS TBNG. MIRU WIRE LINE. RIH W/ CIBP & SET @ 4800'. POOH W/ WIRELINE. RDMO WIRELINE. RIH W/ 148 JTS TBNG. T/U ON CIBP @4800'. P/U 4'. R/U CEMENTERS. SPOT 25SX CMNT ON CIBP. RDMO CEMENTERS. POOH WHILE L/D TBNG. LOAD CSNG W/ TMAC. FILL SURFACE CSNG W/ TMAC. NDBOP. NU FRAC VALVE W/ X/O SPOOL. SWI. RDMO.  NOTE: PLUG DEPTH FOR SECOND CIBP CHANGED FROM ORIGINAL SETTING DEPTH OF 4610' TO 4800' IN ORDER TO AVOID CEMENTING ACROSS NEW PERF INTERVAL. THIS CHANGE WAS CLEARED WITH LOCAL ENGINEER AND SUPERVISION.

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 343

Spud Date: 2/5/2001

Project: UTAH-UINTAH

Site: NBU 1022-8B PAD

Rig Name No: GWS 1/1

Event: RECOMPL/RESEREVEADD

Start Date: 5/21/2012

End Date: 6/15/2012

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

UWI: NBU 343

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/23/2012	10:00 - 12:00	2.00	COMP	33		P		FILL SURFACE CSG. MIRU B&C QUICK TEST. PSI TEST T/ 1000 PSI. HELD FOR 15 MIN LOST 12 PSI. 1ST PSI TEST T/ 4200 PSI. HELD FOR 30 MIN LOST 112 PSI. 2ND PSI TEST T/ 4200 PSI. HELD FOR 30 MIN. LOST 56 PSI. NO COMMUNICATION WITH SURFACE CSG BLEED OFF PSI. SWIFN
5/24/2012	7:00 - 12:00	5.00	COMP	37		P		PERF STG 1)PU 3 1/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 DEG PHASING. RIH PERF AS PER PERF DESIGN. POOH. SWIFW
5/29/2012	6:45 - 7:00	0.25	COMP	48		P		HSM. HIGH PSI LINES & WL AWAIRNESS.
	7:00 - 18:00	11.00	COMP	36	B	P		FRAC STG 1)WHP 272 PSI, BRK 3544 PSI @ 4.3 BPM. ISIP 1020 PSI, FG .67. CALC HOLES OPEN @ 45.4 BPM @ 3340 PSI = 60% HOLES OPEN. (19/32 HOLES OPEN) ISIP 2734 PSI, FG 1.10, NPI 1714 PSI. MP 4554 PSI, MR 50.8 BPM, AP 3379 PSI, AR 46.3 BPM PUMPED 20/40 SAND IN THIS STG. ((((( SCREENED OUT ON THIS STG W/ 60% OF SAND IN WELL)))) X-OVER FOR WL.  PU 4 1/2 8K HAL CBP. RIH SET KILL PLUG @ 4267'. POOH. SWI. DONE FRACING THIS WELL.  TOTAL SAND = 56,122 LBS TOTAL CLFL = 1,113 BBLs
6/12/2012	-			34	I	P		MIRU CUTTERS WIRELINE & CRANE, PU & RIH W/ HAL 8K CBP & SET @ 4,065', POOH RDMO CUTTERS.  WELDER CUT OFF & LOWERED WELL HEAD APPROX 2', WELDED NEW WELLWELL HEAD ON.
6/13/2012	14:00 - 18:00	4.00		30	A	P		MIRU, PU 4 1/2" SPEAR, RIH & SET GRAPPLE ON SPEAR, PU TO 20K, 40K, 60K ON CSG, PU 90K & SET CSG SLIPS, STRETCH IN CSG 3" @ 90K, NU TBG HEAD & TEST TO 3,000 PSI, TEST GOOD, NU BOP, RU FLOOR & TBG EQUIP, SWI,SDFN.
6/14/2012	7:00 - 7:15	0.25		48		P		HSM, SLIPS, TRIPS & FALLS, PU TBG

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 343		Spud Date: 2/5/2001	
Project: UTAH-UINTAH		Site: NBU 1022-8B PAD	Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD		Start Date: 5/21/2012	End Date: 6/15/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 343	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 17:00	9.75		31	I	P		<p>SPOT TBG TRAILER, INSTAL HAND RAILS, PU 3 7/8" BIT, PUMP OPEN SUB, 1.875" S/N, TALLY &amp; PU TBG, RU P/S, FILL TBG BREAK CIRC, P/T BOP TO 2,500 PSI, D/O PLUGS, SURFACE OPEN &amp; LOCKED.</p> <p>C/O 0' SAND, TAG 1ST KILL PLUG @ 4,065' DRL PLUG IN 10 MIN. 0 PSI INCREASE RIH, CSG PRESS 0 PSI.</p> <p>C/O 0' SAND, TAG 2ND KILL PLUG @ 4,110' DRL PLUG IN 11 MIN. 0 PSI INCREASE RIH, CSG PRESS 0 PSI.</p> <p>CIBP SET @ 4,800' W/ 25 SKS CMT PLUG TOC @ APPROX 4,469', BTM PERF @ 4,382', C/O SAND TO 4,414', 32' PAST BTM PERF W/ 138 JTS 2 3/8" J-55 TBG, LD 5 JTS, PU TBG HANGER &amp; LAND TBG W/ 133 JTS 2 3/8" J-55, EOT 4,251.50'.</p> <p>WELL FLOWING 17 BBLS PER HR.</p> <p>RD POWER SWIVEL, FLOOR &amp; TBG EQUIP, ND BOPS, NU WH, DROP BALL TO OPEN PUMP OPEN SUB W/ 750 PSI. LEFT RIG RIGGED UP TO EVALUATE WELL IN AM AFTER FLOWING BACK ALL NIGHT.</p> <p>TURN OVER TO FLOW BACK CREW, SDFN..</p> <p>KB= 15' 7 1/16" CAMERON HANGER= .83' TBG DELIVERED 140 JTS YELLOW BAND 133 JTS 2 3/8" J-55 = 4,232.54' TBG USED 133 JTS 1.875" XN S/N= 1.33' TBG RETURNED 7 JTS SAMUELS YARD PUMP OPEN SUB &amp; BIT= 1.80 EOT @ 4,251.50'</p> <p>TWTR= 1,113 BBLS TWR= 100 BBLS TWLTR= 1,013 BBLS</p>
6/15/2012	7:00 - 7:15	0.25		48		P		HSM, SLPIS, TRIPS & FALLS, MOVING RIG
	7:15 - 10:00	2.75		30	A	P		EVALUATE WELL W/ ENGINEERS, DECIDED TO LET WELL FLOW, RDMO TO NBU 564-26E
6/27/2012	7:00 - 7:15	0.25	COMP	48		P		SAFETY = JSA.
	7:15 - 8:00	0.75	COMP	30		P		ROAD RIG TO LOCATION.

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 343

Spud Date: 2/5/2001

Project: UTAH-UINTAH

Site: NBU 1022-8B PAD

Rig Name No: GWS 1/1

Event: RECOMPL/RESEREVEADD

Start Date: 5/21/2012

End Date: 6/15/2012

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

UWI: NBU 343

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:00 - 18:00	10.00	COMP	30		P		SICP= 1100#. SITP= 1100#. MIRU. BLOW DOWN WELL. CNTRL TBNG W/ 10 BBLS TMAC. NDWH. NUBOP. P/U 5 JTS 2-3/8" J-55 TBNG. T/U @ 4375'. L/D 5 JTS USED TO T/U. MIRU HOT OILER. FLUSH TBNG W/ 25 BBLS HOT TMAC. RDMO HOT OILER. POOH W/ 133 JTS 2-3/8" J-55 TBNG + PUMP OPEN BIT SUB. L/D POBS. P/U & RIH W/ 3-7/8" ROCK BIT + BIT SUB + SN. + 138 JTS 2-3/8" J-55 TBNG. T/U @ 4375'. R/U POWER SWIVEL. BREAK CIRC W/ FLUID. C/O TO PBTD @ 4485' W/ 141JTS 2-3/8" J-55. CIRC UNTIL FLUID WAS CLEAN ( BOTTOMS UP). L/D 3 JTS NOT NEEDED FOR PRODUCTION. POOH W/ REMAINING 138 JTS 2-3/8" J-55 TBNG. SWMFn. SAFETY = JSA.
6/28/2012	7:00 - 7:15	0.25	COMP	48		P		SICP= 0#. OPEN WELL. RIH W/ PRODUCTION TBNG & ROD PUMP BHA. LAND WELL AS FOLLOWS:  KB= 15' HANGER = .83' 137 JTS 2-3/8" J-55 4.7# TBNG = 4363.61' 2-3/8" API SN. = 1.10' 2-3/8" J-55 4.7# PERF SUB = 4.08' 1JT 2-3/8" J-55 4.7# = 32.83' (MUD ANCHOR) W/ 2 1/8" HOLES DRILLED JUST BELOW THE UPSET. 2-3/8" J-55 PINNED NOTCHED COLLAR = .63' EOT@ 4418.69' SN @4380.05'  LAND WELL ON HANGER. R/U HOT OILER. FLUSH TBNG W/ 30BBLS HOT TMAC. RDMO HOT OILER. R/U SWAB EQUIP. RIH W/ BROACH TO SN. POOH & L/D BROACH. DROP SV & PRESSURE TEST TBNG GOOD @ 1000#. R/U SWAB EQUIP. RIH W/ RETREIVING HEAD & PLUCK SV. POOH W/ TOOLS. R/D SWAB EQUIP. NDBOP. R/D FLOOR. NUWH.
	7:15 - 12:00	4.75	COMP	31		P		

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 343		Spud Date: 2/5/2001	
Project: UTAH-UINTAH		Site: NBU 1022-8B PAD	Rig Name No: GWS 1/1
Event: RECOMPL/RESEREVEADD		Start Date: 5/21/2012	End Date: 6/15/2012
Active Datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 343	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	12:00 - 18:00	6.00	COMP	39		P		<p>X/O TO ROD EQUIP. P/U &amp; PRIME / STROKE TEST PUMP. RIH W/ ROD STRING AS FOLLOWS:</p> <p>1). 1-1/4" X 26' SM POLISHED ROD            1). 1-1/4" X 1.50' CUSTOM POLISHED ROD SPACER            1). 7/8" X 4' GRADE D SLK PONY ROD            134). 3/4" GRADE D SLK SUCKER RODS W/ SB CPLNGS =3350'            33). 3/4" GRADE D SUCKER RODS GUIDED W/ SNAP ON CPLNGS (2PER ROD). =825'            6). 1-1/4" GRADE D WEIGHT BARS. =150'            1). 7/8" X 2.50' GRADE D STABALIZER BAR W/ 3/4" PINS            1). 2X 1-1/4" X 12'X15'X16' THD INSERT PUMP W/ NO SCREEN NIPPLE ON BOTTOM. (ALTERNATE BALLS &amp; SEATS.) CARBON PUMP W/ CHROME ID.</p> <p>SPACE OUT PUMP W/ 42" STICK UP. SEAT PUMP. LOAD TBNG W/ 1BBL TMAC. STROKE TEST PUMP GOOD @ 1000#. R/U HYDRAULIC PUMPING UNIT. R/D RIG. SWMFN. PREP FOR RIG MOVE IN THE AM.</p>

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 343	Wellbore No.	OH
Well Name	NBU 343	Wellbore Name	NBU 343
Report No.	1	Report Date	5/21/2012
Project	UTAH-UINTAH	Site	NBU 1022-8B PAD
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	5/21/2012	End Date	6/15/2012
Spud Date	2/5/2001	Active Datum	RKB @0.00usft (above Mean Sea Level)
UWI	NBU 343		

1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly		Conveyed Method			

1.4 Initial Conditions

Fluid Type		Fluid Density	
Surface Press		Estimate Res Press	
TVD Fluid Top		Fluid Head	
Hydrostatic Press		Press Difference	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	4,317.0 (usft)-4,382.0 (usft)	Start Date/Time	5/21/2012 12:00AM
No. of Intervals	6	End Date/Time	5/21/2012 12:00AM
Total Shots	32	Net Perforation Interval	8.00 (usft)
Avg Shot Density	4.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

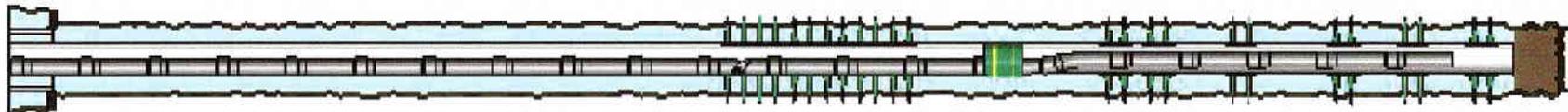
Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
5/21/2012 12:00AM	WASATCH/			4,317.0	4,318.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	N

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
5/21/2012 12:00AM	WASATCH/			4,324.0	4,326.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
5/21/2012 12:00AM	WASATCH/			4,344.0	4,346.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
5/21/2012 12:00AM	WASATCH/			4,356.0	4,357.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
5/21/2012 12:00AM	WASATCH/			4,368.0	4,369.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
5/21/2012 12:00AM	WASATCH/			4,381.0	4,382.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	

3 Plots

3.1 Wellbore Schematic



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

ENTITY ACTION FORM

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: P.O. Box 173779  
city DENVER  
state CO zip 80217 Phone Number: (720) 929-6304

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304733719	NBU 343		NWNE	8	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	2900	18708	2/5/2001		9/11/12		
<b>Comments:</b> Permanently plugged back existing Wasatch perforations and recompleted the well in the Green River formation. <u>GRAY</u> <u>9/20/2012</u>							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

- ACTION CODES:**
- 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)

JAIME SCHARNOWSKE  
 Name (Please Print) Jaime Scharnowsk  
 Signature \_\_\_\_\_  
 REGULATORY ANALYST 9/7/2012  
 Title \_\_\_\_\_ Date \_\_\_\_\_

RECEIVED  
 SEP 10 2012

<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-01196-C
<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>
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 343
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047337190000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6100
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0903 FNL 1754 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNE Section: 08 Township: 10.0S 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 checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: <b>9/22/2015</b>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> <b>PLUG AND ABANDON</b>	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP respectfully requests to plug and abandon the NBU 343 well. Please see the attached procedure for details. Thank you.

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

**Date:** October 13, 2015

**By:** *Derek Quist*

**Please Review Attached Conditions of Approval**

<b>NAME (PLEASE PRINT)</b> Kristina Geno	<b>PHONE NUMBER</b> 720 929-6824	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 9/22/2015	



**The Utah Division of Oil, Gas, and Mining**

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43047337190000**

**A 200' plug should be balanced across the top of the Green River formation from ~1500' to 1300' as required by Board Cause No. 190-5(b).**

**NBU 343**

903' FNL &amp; 1754' FEL

**NWNE SEC. 8, T10S, R22E****Uintah County, UT**

<b>KBE:</b>	5202'	<b>API NUMBER:</b>	43-047-33719
<b>GLE:</b>	5188'	<b>LEASE NUMBER:</b>	U-01196-C
<b>TD:</b>	6885'	<b>WI:</b>	100.0000%
<b>PBTD:</b>	4485' (CIBP & cmt 06/2012)	<b>NRI:</b>	81.490537%

**CASING:** 12 1/4" hole  
8.625" 24# J-55 LT&C @ 251'  
Cemented w/ 130 sxs premium plug cmt (15.6 ppg, 1.18 cu/ft). Recovered 8 bbls cmt to the pit.

7.875" hole  
4 1/2" 11.6# K-55 @ 6679"  
Cemented production string w/ with 350 sxs Hifill lead (11 ppg, 3.83 yield) and 1200 sxs 50/50 POZ G mix (14.3 ppg, yield 1.27). TOC @ 230 by CBL (5/21/2012).

**TUBING:** 2 3/8" 4.7 J-55 @ 4419'. (has rods in well also) 6/28/2012

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# J-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	0.0101
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:**

Formation	Depth to top, ft.
Uinta	Surface
Green River	1186'
Birds Nest	1565'
Mahogany	2015'
Parachute	2845'
Wasatch	4412'

**SS- 144 Base of BMSW****BMSW Depth ~3000' KBE**

**PERFORATIONS:**

Zone Name	Date	MD Top (ft)	MD Base (ft)	Shot Density (SPF)
Green River	5/21/2012	4317	4318	4
Green River	5/21/2012	4324	4326	4
Green River	5/21/2012	4344	4346	4
Green River	5/21/2012	4356	4357	4
Green River	5/21/2012	4368	4369	4
Green River	5/21/2012	4381	4382	4
<b>Note: below perfs abandoned with CIBP &amp; cmt (6/2012)</b>				
Wasatch	2/12/2001	5276	5286	4
Wasatch	2/12/2001	5354	5364	4
Wasatch	2/12/2001	5682	5706	1
Wasatch	2/12/2001	6144	6154	4
Wasatch	2/12/2001	6384	6392	4
Wasatch	2/12/2001	6602	6608	4

**WELL HISTORY:**

- Mar 2001 – **Initial completion** – Perf'd and frac'd Wasatch perfs (5276'-6608'). C/O to 6651' and landed tbg @ 6543'
- Jan 2002 – **Cleanout** – C/O scale and sand from 6580'-6650'. Spot 15% HCl across perfs 6144'-6608'. Spotted 2<sup>nd</sup> stage of acid across perfs 5276'-5706'. POOH. RIH w/ 2 3/8" tbg and landed @ 4025'. Swabbed well on.
- 4/28/2005 – **Acid** – Pumped 2 drums of 33% acid down tbg.
- Jun 2012 – **Abandon Wasatch perfs and Recomplete Green River** – POOH w/; tbg. Set a CIBP @ 5240'. Tested csg to 500 psi, OK. Run a CBL from 5240' to surface (TOC @ ±230'). RIH and set a CIBP @ 4800'. Spot 25 sxs cmt on top of plug. Perforated Green River perfs (4317'-4382') & frac'd with 56,122 #'s 20/40 sand and 1,113 bbls fluid. RIH w/ an 8K CBP @ set @ 4065'. Cut off and lowered wellhead 2'. D/O plugs and C/O to 4485 (TOC, new PBTD). Landed 2 3/8" tbg @ 4252'.
- 6/28/2012 – **Put rods in** – POOH. RIH and C/O to 4485'. POOH. RIH w/ 2 3/8" J-55 tbg and landed @ 4419'. Flushed tbg. Dropped standing valve and tested tbg to 1000 psi, good. RIH with pump and rods. Seated pump and put well on prod with a hydraulic pumping unit.

**NBU 343**

**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 up to 73 sxs Class "G" cement may be needed for procedure**

**GYRO IS NOT NEEDED (RAN ONE TO 5750' IN 12/2008).**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
1. POOH LAYING DOWN RODS & TBG. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
2. **PLUG #1, ISOLATE TOP OF WASATCH (4412') & GREEN RIVER PERFORATIONS (4317'):**  
**NOTE: Wasatch perforations (5276'- 6608') were isolated with a CIBP and cement June 2012.**  
TIH AND SET A CIBP @ 4272'. PUH 10'. CIRCULATE ENTIRE HOLE W/ TREATED FRESH WATER. PRESSURE TEST CASING. SET A ±105' CEMENT BALANCED PLUG (**8 SXS, 9.2 CUFT, 1.6 BBLs**) ON TOP OF CIBP. **TOC @ ±4167'.**
3. **PLUG #2, PROTECT BMSW (3000') & BASE OF PARACHUTE (~2845'):** SET A BALANCED CEMENT PLUG FROM **3050' – 2735'** (315' COVERAGE) WITH (**24 SXS / 27.5 CUFT / 4.89 BBL**).
4. **PLUG #3 PROTECT MAHOGANY (~2015'):** SET A BALANCED CEMENT PLUG FROM **2015' – 1910'** (105' COVERAGE) WITH (**8 SXS, 9.2 CUFT, 1.6 BBLs**).
5. **PLUG #4, FILL SURFACE CASING SHOE (251'):** SET A BALANCED CEMENT PLUG FROM **251' – 198'** (53' COVERAGE) WITH (**4 SXS / 4.6 CUFT / .82 BBL**).
6. **PLUG #5, FILL SURFACE HOLE & ANNULUS:** POOH. PERF CASING @ 100' AND PUMP A MIN OF **29 SXS / 33.2 CUFT / 5.9 BBLs** / OR SUFFICIENT VOLUME TO FILL 4 ½" CASING AND 4.5" X 8.625" ANNULUS F/ 100' TO SURFACE
7. CUT OFF WELLHEAD AND INSTALL MARKER PER GUIDELINES.
8. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB

RBM – 9/17/15

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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: U-01196-C
1. TYPE OF WELL Gas Well	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:  7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	8. WELL NAME and NUMBER: NBU 343
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6507
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0903 FNL 1754 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWNE Section: 08 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
	COUNTY: UINTAH
	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/11/2015	<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
	<input type="checkbox"/> OPERATOR CHANGE	<input checked="" type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Kerr-McGee Oil & Gas Onshore, LP has plugged and abandoned the NBU 343 well. Please see the operations summary report for details. Thank you.

**Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
 FOR RECORD ONLY  
 November 23, 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> 11/23/2015	

US ROCKIES REGION  
Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 343				Spud date: 2/5/2001				
Project: UTAH-UINTAH			Site: NBU 1022-8B PAD			Rig name no.:		
Event: ABANDONMENT			Start date: 11/9/2015		End date: 11/11/2015			
Active datum: RKB @0.00usft (above Mean Sea Level)				UWI: NBU 343				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
11/9/2015	6:45 - 7:00	0.25	ABANDP	48		P		HSM.
	7:00 - 10:00	3.00	ABANDP	30	G	P		ROAD RIG F/ NBU 921-21A RECOMP PAD. MIRU RIG & SPOT RIG EQUIP.
	10:00 - 17:30	7.50	ABANDP	30	A	P		RU PUMP & LINES. SICP = 1644 PSI. SITP = 1600 PSI. BLOW WELL DOWN T/ FBT. MIRU HOT OIL EXPRESS. PUMP 30 BBLS @ 250 DEG DOWN CSG. PU ON ROD STRING. DID NOT SEE ROD PUMP UNSEAT. ATTM T/ FLUSH RODS. COULD NOT. PUMP 5 BBLS PRESSURED UP. BLEED OFF PSI. LD POLISH ROD & PONY SUBS. LD 134 - 3/4" SLK RODS, 33 - 3/4" GUIDED RODS, 6 - 1 1/4" WEIGHT BARS & ROD PUMP. RD ROD EQUIP. STAB TIW VALVE, SWIFN.
11/10/2015	6:45 - 7:00	0.25	ABANDP	48		P		HSM.
	7:00 - 13:30	6.50	ABANDP	31	F	P		SICP = 250 PSI. BLOW WELL DOWN T/ FBT. ND WH. UNLAND TBG. TBG IS NOT STUCK. RELAND TBG. NU BOP, RU RIG FLOOR & TBG EQUIP. LD 1 JTS TBG. MIRU CUTTERS. PU TBG PUNCH. RIH T/ 45'. STACK OUT. MIRU HOT OILER T/ CSG. PUMP 10 BBLS @ 180 DEG. CUTTERS CONT RIH T/ 870' & STACK OUT. COULD NOT GET NO DEEPER. POOH. HOOK HOT OILER T/ TBG. PUMP 2 BBLS PRESSURE UP T/ 2000 PSI. BLEED OFF PSI. HOOK UP T/ CSG. PRESSURE UP T/ 2500 PSI & BRK CIRC. CIRC CLEAN W/ 65 BBLS HOT T-MAC. SHUT DOWN PUMPING. MIRU SCAN TECH. SCAN 137 JTS 23/8 J-55 TBG. FOUND = 95 YB, 18 BB, 4 DBB, & 21 RB. NO ID OR OD SCALE. ROD WEAR JTS 28 - 44. ROD WEAR JTS 86 - 136. OD PITTING JTS 133 - 137. NOTE = JT 138 WAS THE MUD ANCHOR FOR ROD PUMP. RDMO SCAN TECH.
	13:30 - 17:00	3.50	ABANDP	31	I	P		PU 4 1/2 CIBP TBG SET. RIH W/ 134 JTS TBG. SET CIBP @ 4767'. PU 5'. BRK CIRC. CIRC WELL CLEAN. SHUT DOWN PUMP. PSI TEST CSG T/ 500 PSI. GOOD TEST. BLEED OFF PSI. SWIFN.
11/11/2015	6:45 - 7:00	0.25	ABANDP	48		P		HSM.

## US ROCKIES REGION

## Operation Summary Report

Well: NBU 343		Spud date: 2/5/2001	
Project: UTAH-UINTAH		Site: NBU 1022-8B PAD	Rig name no.:
Event: ABANDONMENT		Start date: 11/9/2015	End date: 11/11/2015
Active datum: RKB @0.00usft (above Mean Sea Level)		UWI: NBU 343	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	7:00 - 17:00	10.00	ABANDP	51	D	P		<p>OPEN WELL 0 PSI.  MIRU PRO PETRO CMT CREW.  NOTE - ALL CMT IS CLASS G CMT.  1st CMT PLUG - PUMP 10 SX ON TOP OF CIBP @ 4277'.  TOC @ 4147' = 130' CMT CAP.  POOH LD 38 JTS. EOT @ 3057'.</p> <p>2nd CMT BP) PUMP 24 SX CMT F/ 3057' TOC @ 2742' = 315' CMT BP. POOH LD 33 JTS. EOT @ 2006'.</p> <p>3rd CMT BP) PUMP 10 SX CMT F/ 2006' T/ 1876' = 130' CMT BP. POOH LD 16 JTS, EOT @ 1497'.</p> <p>4th CMT BP) PUMP 32 SX CMT F/ 1497' T/ 1077' = 420' CMT BP. POOH LD 38 JTS, EOT @ 286'.</p> <p>5th CMT BP) PUMP 10 SX CMT F/ 286' T/ 156' = 130' CMT BP. POOH LD ALL TBG = 9JTS.</p> <p>MIRU CUTTERS WL. PU 1' x 3 1/8 SQWEEZE GUN, 4 SPF. RIH PERF @ 100'. POOH. RDMO CUTTERS. BRK CIRC DOWN 4 1/2 CSG &amp; UP 8 5/8 SURFACE CSG.  SHUT DOWN PUMPING.  RACK OUT RIG EQUIP, RD RIG.  ND BOP. STAB TBG HNGR.</p> <p>SURFACE PLUG) MIX 29 SX CMT, PUMP 29 SX CMT DOWN 4 1/2 CSG &amp; UP SURFACE. GOOD CMT T/ SURFACE. SHUT DOWN PUMPING.  DIG OUT AROUND WELL HEAD.  CUT OFF WELL HEAD.  TOP OFF CMT W/ 5 GAL CMT.  WELD MARKER PLATE. BACK FILL AROUND WELL HEAD.  SDFN.  P&amp;A WITNESSED BY - BLM REP Brenden Huber.</p>