

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		CONFIDENTIAL	5. Lease Serial No. U-0576
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name
2. Name of Operator El Paso Production Oil & Gas Company			7. If Unit or CA Agreement, Name and No. Natural Buttes Unit
3A. Address P.O. Box 1148 Vernal, UT 84078		3b. Phone No. (include area code) (435) 781-7023	8. Lease Name and Well No. NBU #396
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENW 482' FNL & 1765' FWL At proposed prod. Zone		4428 380 N 623 009 E	9. API Well No. 43-047-34480
14. Distance in miles and direction from nearest town or post office* 13.9 Miles Northeast of Ouray, UT			10. Field and Pool, or Exploratory Natural Buttes
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 482'		16. No. of Acres in lease 1480	11. Sec., T., R., M., or Blk. and Survey or Area Sec. 33, T9S, R21E
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Refer to Topo C		19. Proposed Depth 6800'	12. County or Parish Uintah
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4940.1' GL		20. BLM/BIA Bond No. on file BLM WY 3457	13. State UT
		22. Approximate date work will start* Upon Approval	17. Spacing Unit dedicated to this well 1480
			23. Estimated duration To Be Determined

24. Attachments

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

- | | |
|---|--|
| <ul style="list-style-type: none"> 1. Well plat certified by a registered surveyor. 2. A Drilling Plan. 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. | <ul style="list-style-type: none"> 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). 5. Operator certification. 6. Such other site specific information and/or plans as may be required by the authorized office. |
|---|--|

25. Signature 	Name (Printed/Typed) Cheryl Cameron	Date 1/22/2002
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 02-11-02
	Office RECLAMATION SPECIALIST III	

Field Approval of this Action is Necessary

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)

RECEIVED

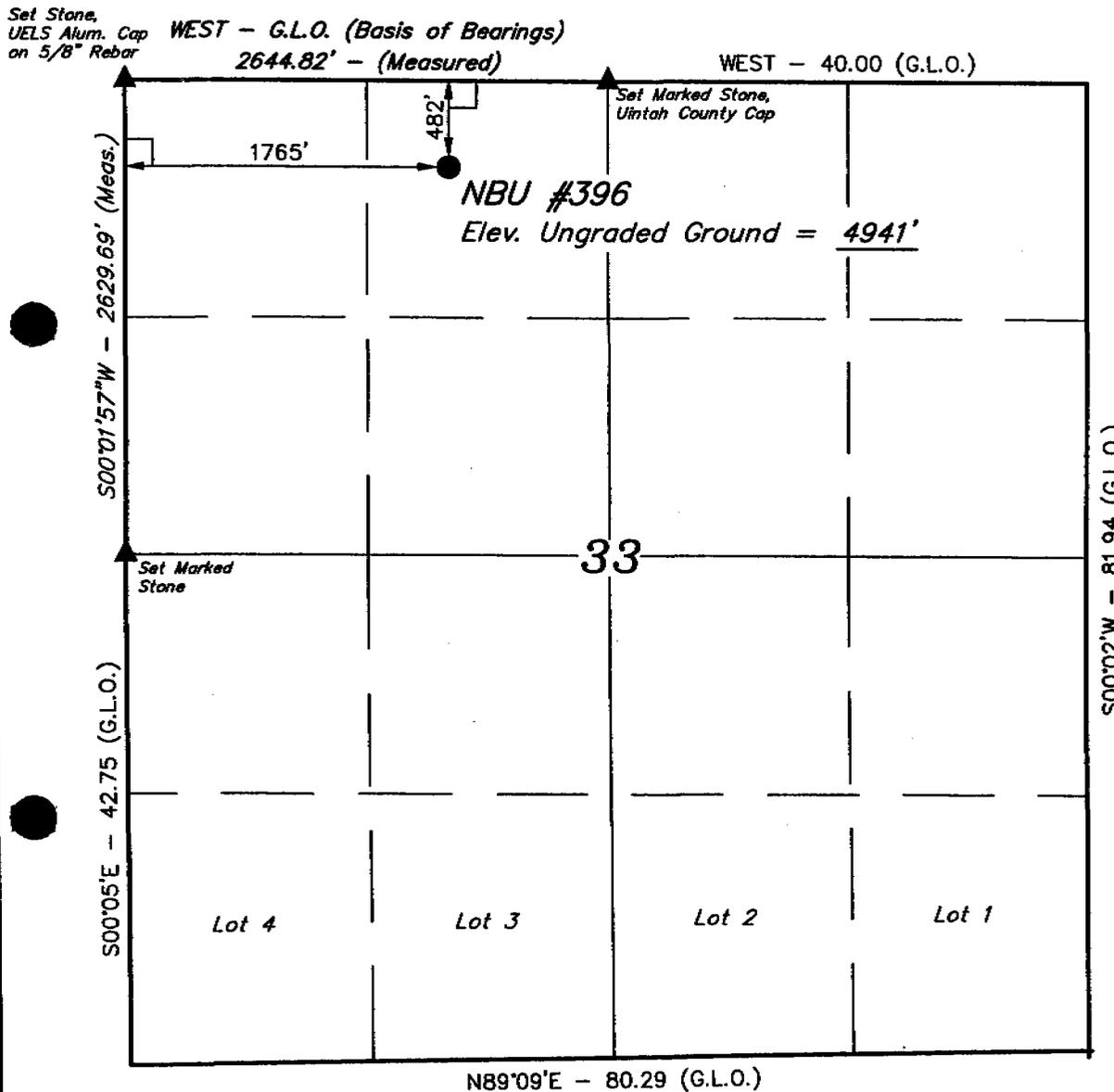
JAN 28 2002

DIVISION OF
OIL, GAS AND MINING

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

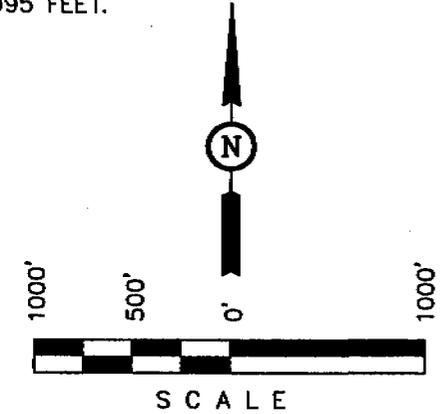
EL PASO PRODUCTION OIL & GAS COMPANY

Well location, NBU #396, located as shown in the NE 1/4 NW 1/4 of Section 33, T9S, R21E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

BENCH MARK (26 EAM 1964) LOCATED IN THE SW 1/4 OF SECTION 29, T9S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4995 FEET.



CERTIFICATE

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

Robert Kay
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161318
STATE OF UTAH
KAY

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

LEGEND:

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

LATITUDE = 39°59'55"
LONGITUDE = 109°33'33"

SCALE 1" = 1000'	DATE SURVEYED: 11-21-01	DATE DRAWN: 11-26-01
PARTY J.F. N.F. C.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE EL PASO PRODUCTION OIL & GAS COMPANY	

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #396

LOCATED IN UTAH COUNTY, UTAH
SECTION 33, T9S, R21E, S.L.B.&M.

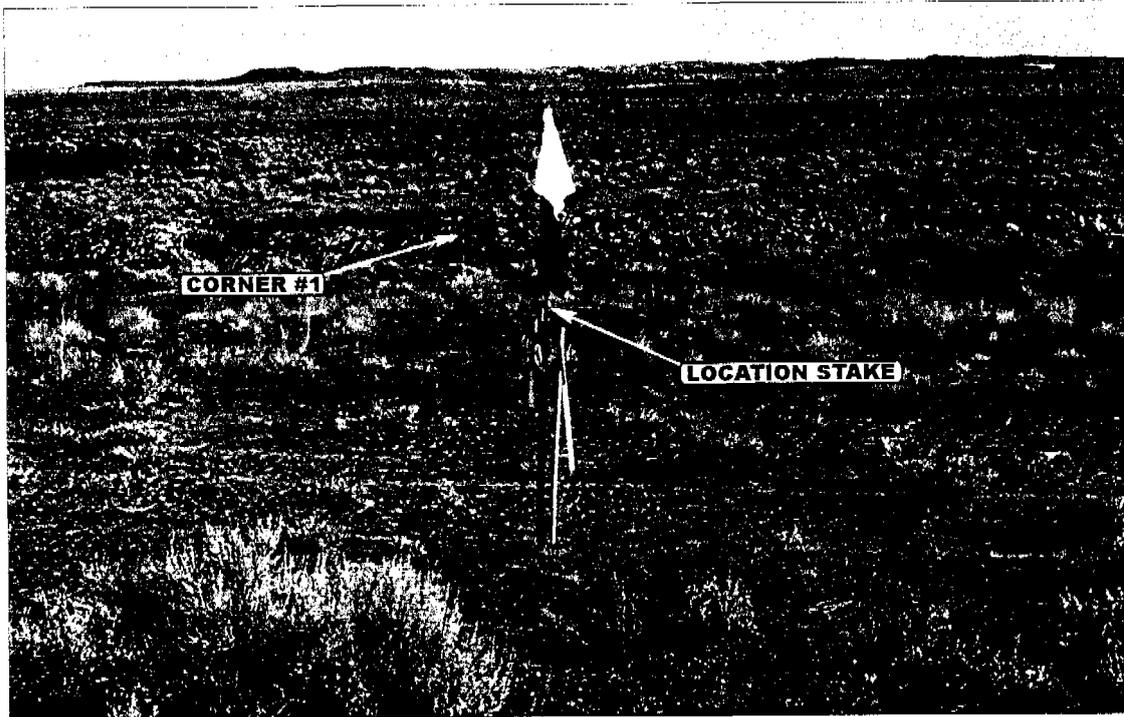


PHOTO: VIEW FROM LOCATION STAKE TO CORNER #1

CAMERA ANGLE: EASTERLY

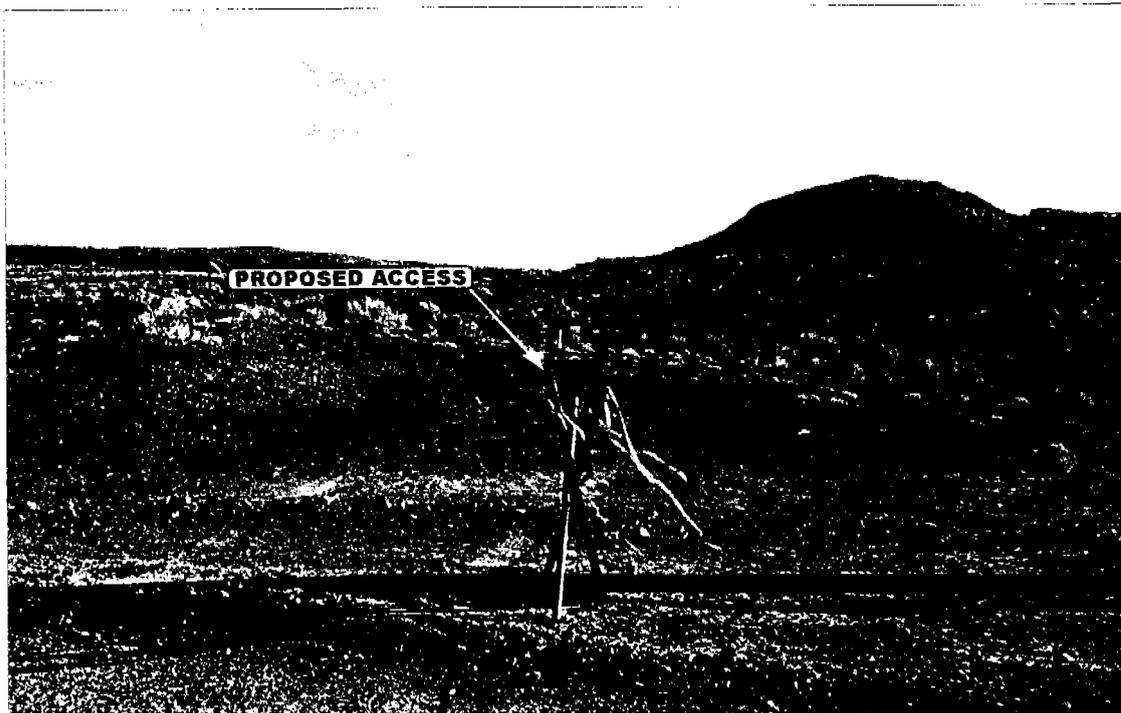


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

UELS

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

11 26 01
MONTH DAY YEAR

PHOTO

TAKEN BY: J.E.

DRAWN BY: P.M.

REVISED: 00-00-00

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #396

SECTION 33, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE BEGINNING OF THE PROPOSED ACCESS ROAD TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 44.9 MILES.

NBU #396
NE/NW Sec. 33-T9S, R21E
UINTAH COUNTY, UTAH
LEASE #U-0576

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
KB	4950'
Green River	1645'
Wasatch	4845'
TD	6800'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1645'
Gas	Wasatch	4845'
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 attached Casing & Cementing Program.

5. **Drilling Fluids Program:**

Please see the attached Mud Program.

6. **Evaluation Program:**

Please see the attached Logging Program.

7. Abnormal Conditions:

Maximum anticipated bottomhole pressure calculated at 6800' TD, approximately equals 2,720 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1,224 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

**NBU #396
NE/NW Sec. 33-T9S-R21E
UINTAH COUNTY, UTAH
LEASE #U-0576**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the NBU 396 on 1/11/02, for the subject well.

1. Existing Roads:

The proposed well site is approximately 13.9 miles northeast of Ouray, Utah. Directions to the location from Ouray, Utah are enclosed.

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 proposed 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.

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.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec.5,T9S,R22E, NBU #159, Sec.35,T9S,R21E, Ace Oilfield Sec.2, T6S,R20E, MC&MC Sec 12, T6S,R19E (Requests is lieu of filing Form 3160-5, after initial production).

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).

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

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

The location shall be bermed to prevent flooding as discussed during the on-site inspection.

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

An 18" culvert shall be installed under the access road, as discussed during the on-site inspection. Refer to Figure #1 on the location layout.

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 Seeds are drilled (24 lbs/acre if seeds are broadcast). The per acre requirements for drilled seeds are:

Shadscale	6 lbs.
Gardner Saltbrush	6 lbs.

11. Surface Ownership:

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

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

12. Other Information:

The Archaeological Survey Report and Paleontological Survey Report (if found necessary) will be submitted as soon as it becomes available.

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

WILDLIFE

None – Antelope stipulations waived per on-site inspection.

CRITICAL SOIL

There shall be no construction or drilling activities while the soil(s) are wet.

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

Cheryl Cameron
Regulatory Analyst
El Paso Production O&G Co.
P.O. Box 1148
Vernal, UT 84078
(435) 781-7023

Scott Palmer
Drilling Manager
El Paso Production O&G Co.
9 Greenway Plaza
Houston, TX 77046-0995
(713) 420-4850

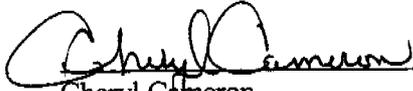
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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

Bond Coverage pursuant to 43 CFR 3104 for lease activities is being provided by El Paso Production Oil & Gas Company, Nationwide Bond #WY3457.

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.

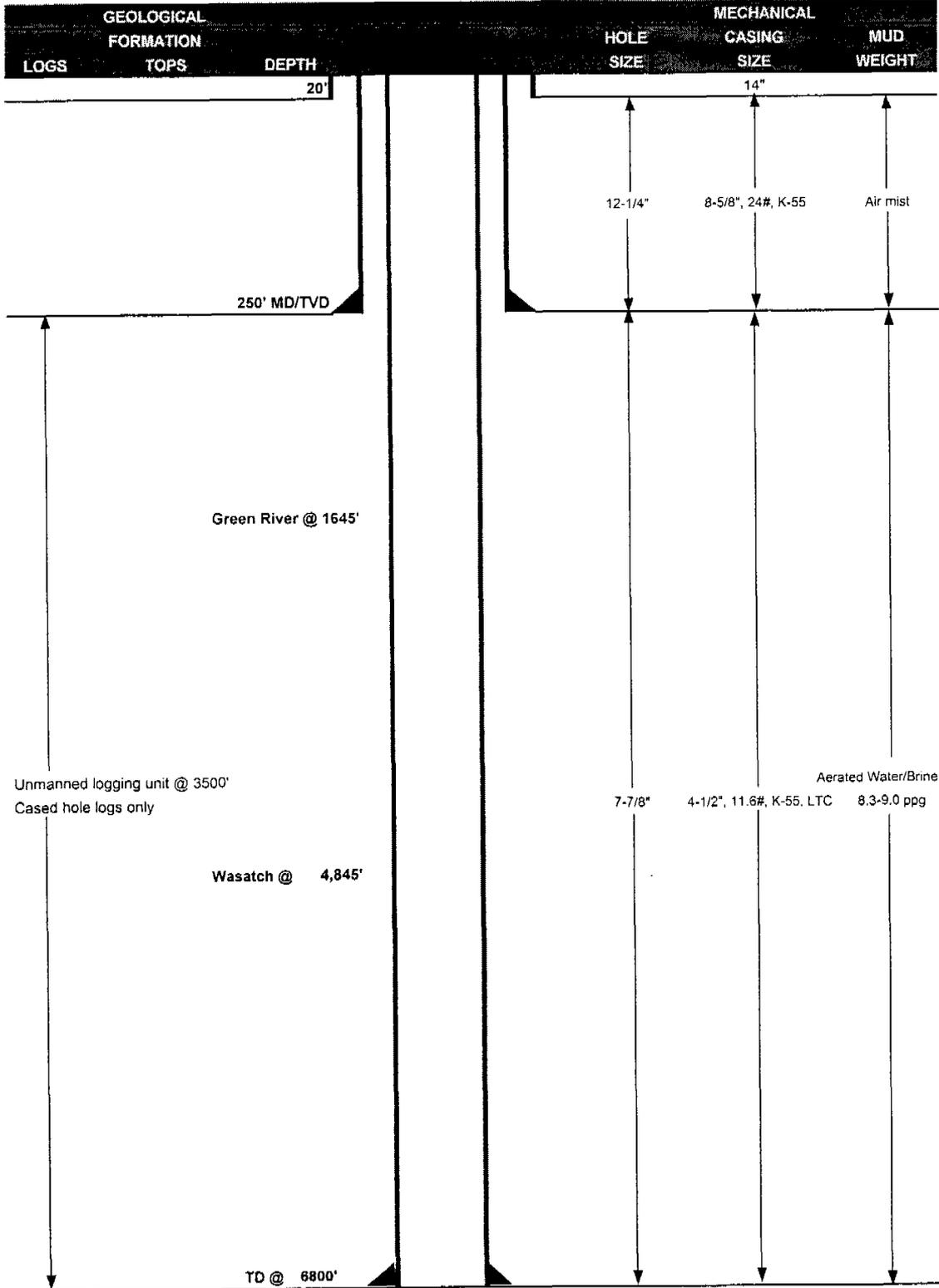
I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations 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

1/22/02
Date

DRILLING PROGRAM FOR APD

COMPANY NAME El Paso Production Company DATE October 25, 2001
 WELL NAME NBU 396 TD 6800' MD/TVD 6800
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,950' KB
 SURFACE LOCATION 660' ENL 1735' ENL, NE1/4, SEC. 33, T8S, R21E 482 ENL 1765' ENL BHL fc Straight Hole
 OBJECTIVE ZONE(S) Wasatch
 ADDITIONAL INFO Regulatory Agencies: BLM, UDOGM, Tri-County Health Dept.



el paso | Production
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2950	1370	263000
SURFACE	8-5/8"	0-250'	24.00	K-55	STC	21.03	11.71	4.70
						5350	4960	180000
PRODUCTION*	4-1/2"	0-TD	11.60	K-55	LTC	2.17	1.51	1.37

- 1) Maximum Anticipated Surface Pressure (MASP) (Conductor and Surface Casings) = (Frac Gradient at Shoe - Gas Gradient (0.115 psi/ft))(TVD)
 2) MASP (Int Casing) = Pore Pressure at Next Casing Point - (Gas Gradient x TVD of Next Casing Point x 0.67) - (Mud Weight x TVD x 0.052 x 0.33)
 3) MASP (Prod Casing) = Pore Pressure - (Gas Gradient x TVD of Production Interval)
 (Burst Assumptions: FG @ 8-5/8" shoe = 13.0 ppg, Max Pore Pressure = 9.0 ppg EMW)
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing, 50000 lbs overpull)
 *Utilize 5-1/2", 17#, N-80 if 4-1/2" is not available.

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE		250	Premium Plus + 2% CaCl ₂ + 0.125 pps polyflake	140	35%	15.60	1.18
PRODUCTION	LEAD	4,340'	Hifill + 10 pps gilsonite + 0.125 pps polyflake	410	60%	11.00	3.82
	TAIL	2,660'	50/50 POZ + 0.6% Halad 322 + 2% gel + 5% salt + 0.125 pps polyflake	800	60%	14.35	1.22

* or 15% over caliper log

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

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

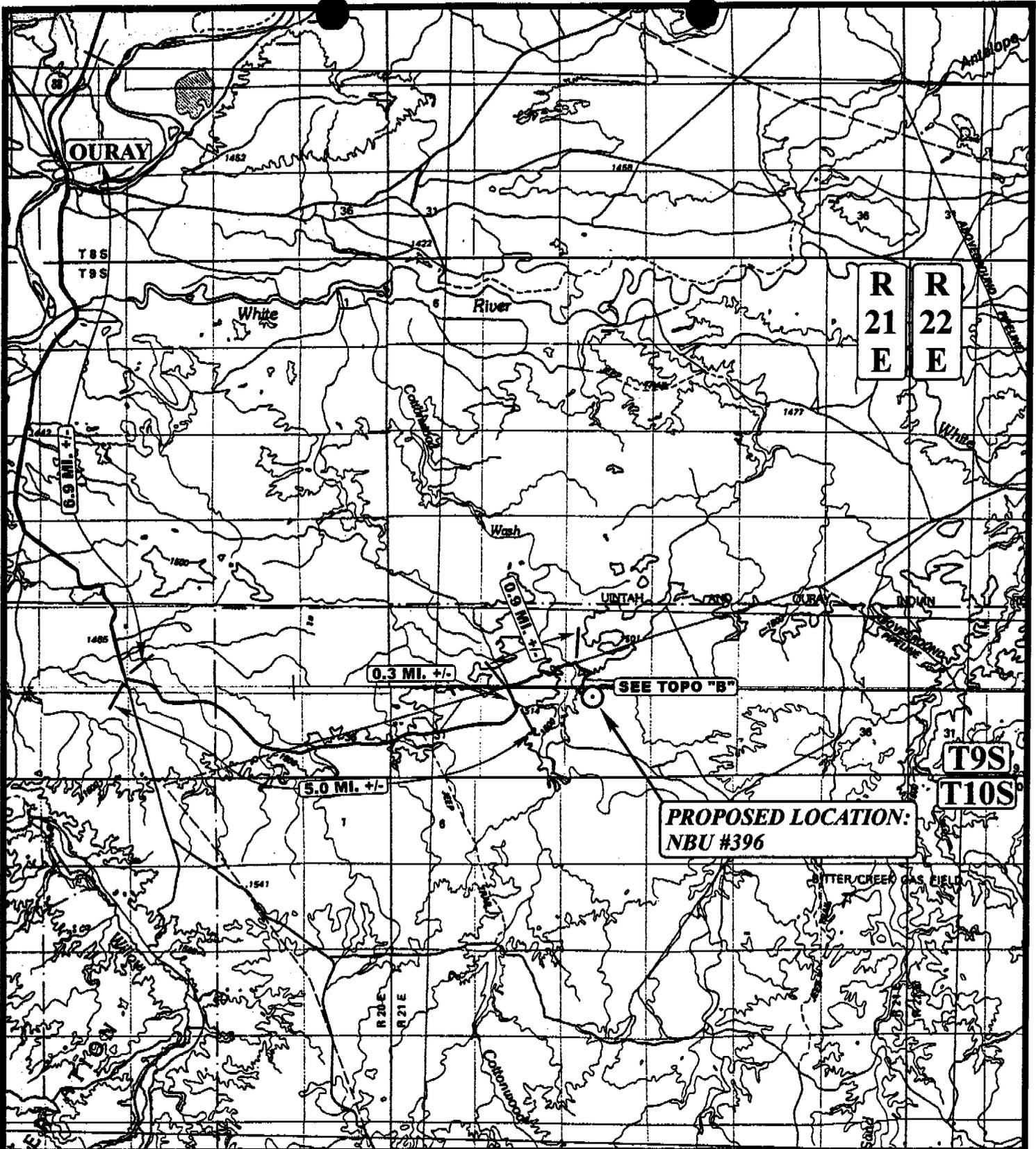
Run Totco surveys every 1000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: _____
Dan Lindsey

DATE: _____

DRILLING SUPERINTENDANT: _____
Larry Strasheim

DATE: _____



R
21
E

R
22
E

T9S
T10S

PROPOSED LOCATION:
NBU #396

LEGEND:

⊙ PROPOSED LOCATION

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #396

SECTION 33, T9S, R21E, S.L.B.&M.

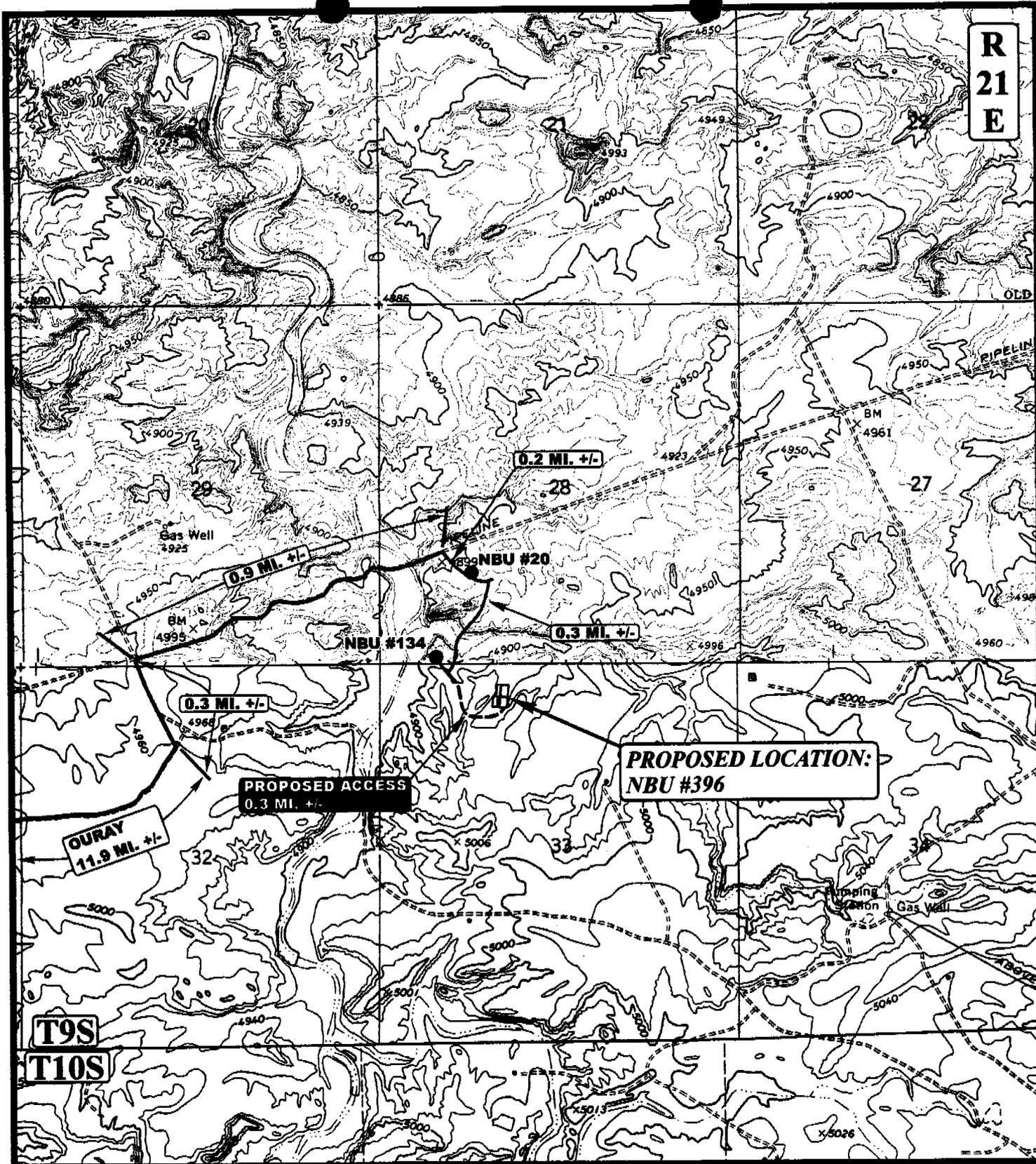
482' FNL 1765' FWL

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



TOPOGRAPHIC 11 26 01
MAP MONTH DAY YEAR
SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00





**R
21
E**

**T9S
T10S**

LEGEND:

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD

EL PASO PRODUCTION OIL & GAS COMPANY

**NBU #396
SECTION 33, T9S, R21E, S.L.B.&M.
482' FNL 1765' FWL**

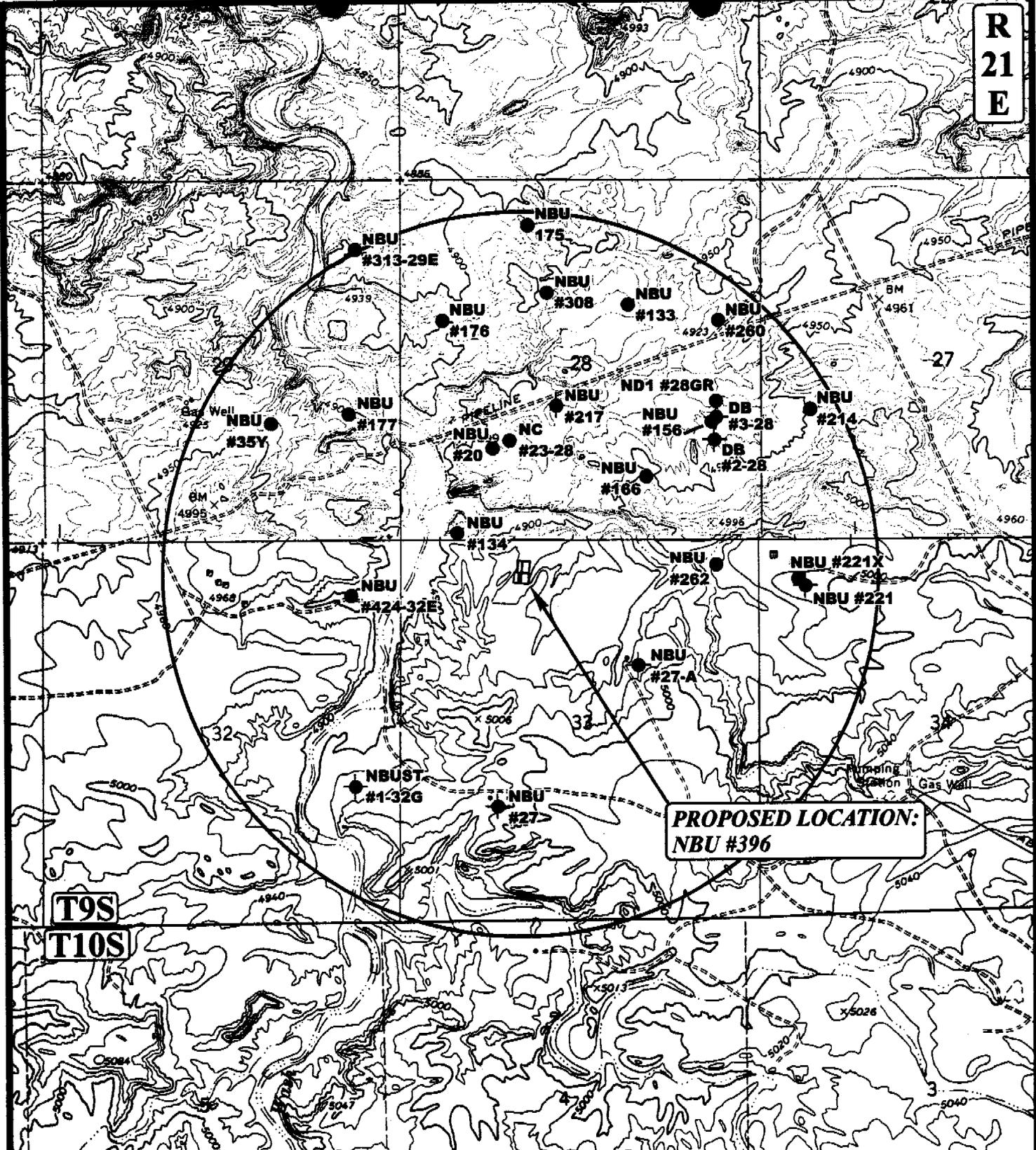
**U
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Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 11 26 01
MAP MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00

**B
T
O
R
O**

R
21
E



T9S
T10S

**PROPOSED LOCATION:
NBU #396**

LEGEND:

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

EL PASO PRODUCTION OIL & GAS COMPANY

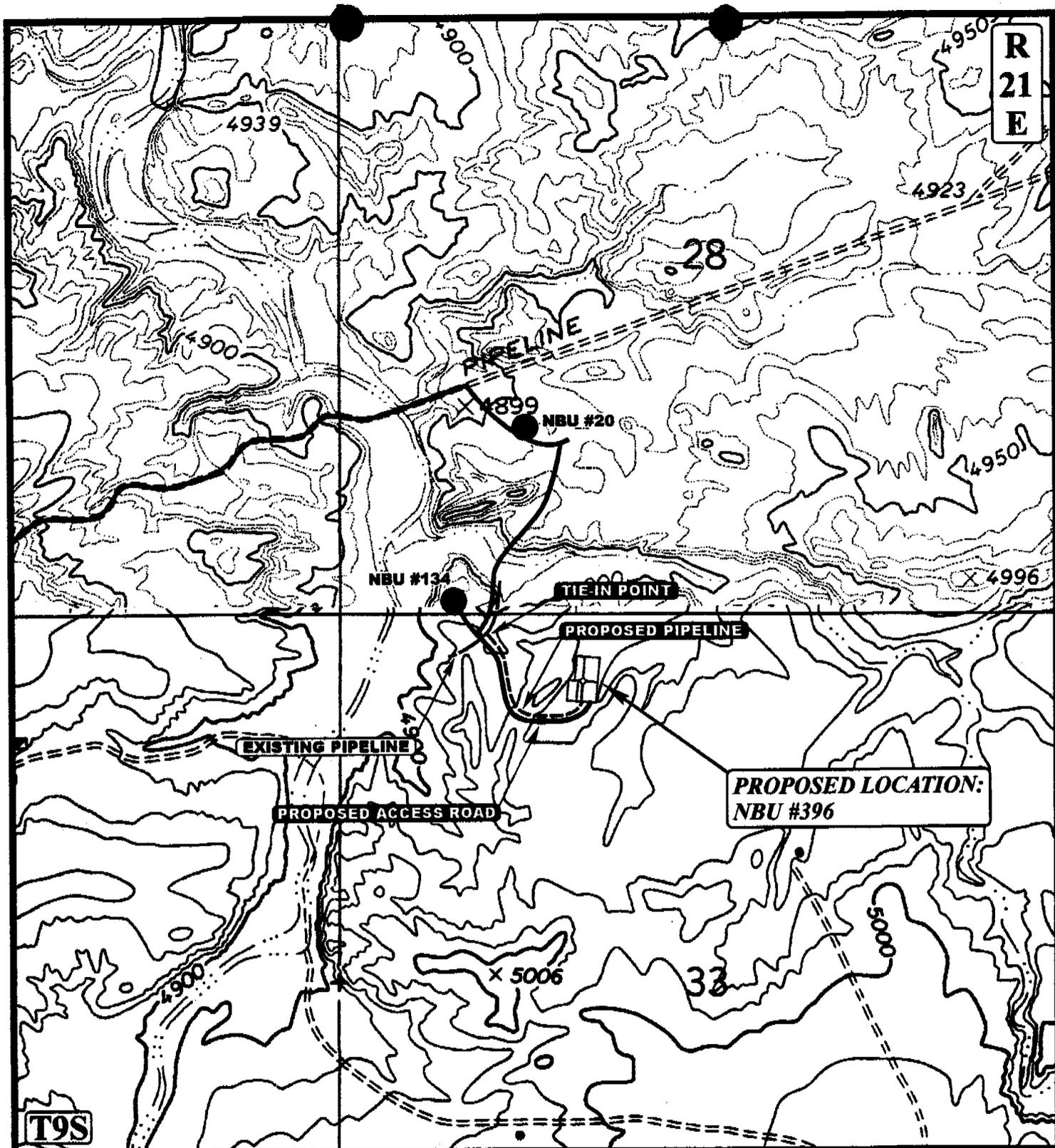
**NBU #396
SECTION 33, T9S, R21E, S.L.B.&M.
482' FNL 1765' FWL**



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

TOPOGRAPHIC 11 26 01
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: P.M. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1400' +/-

LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE

EL PASO PRODUCTION OIL & GAS COMPANY

NBU #396

SECTION 33, T9S, R21E, S.L.B.&M.

482' FNL 1765' FWL



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

TOPOGRAPHIC MAP 11 26 01
MONTH DAY YEAR

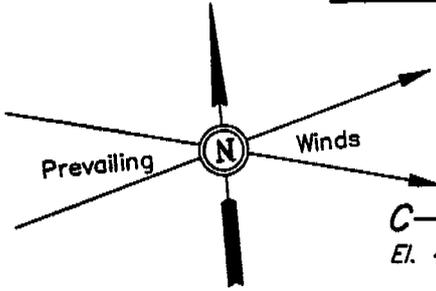
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EL PASO PRODUCTION OIL & GAS COMPANY

LOCATION LAYOUT FOR

NBU #396
SECTION 33, T9S, R21E, S.L.B.&M.
482' FNL 1765' FWL

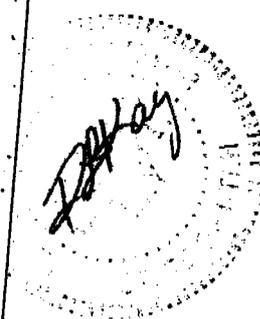
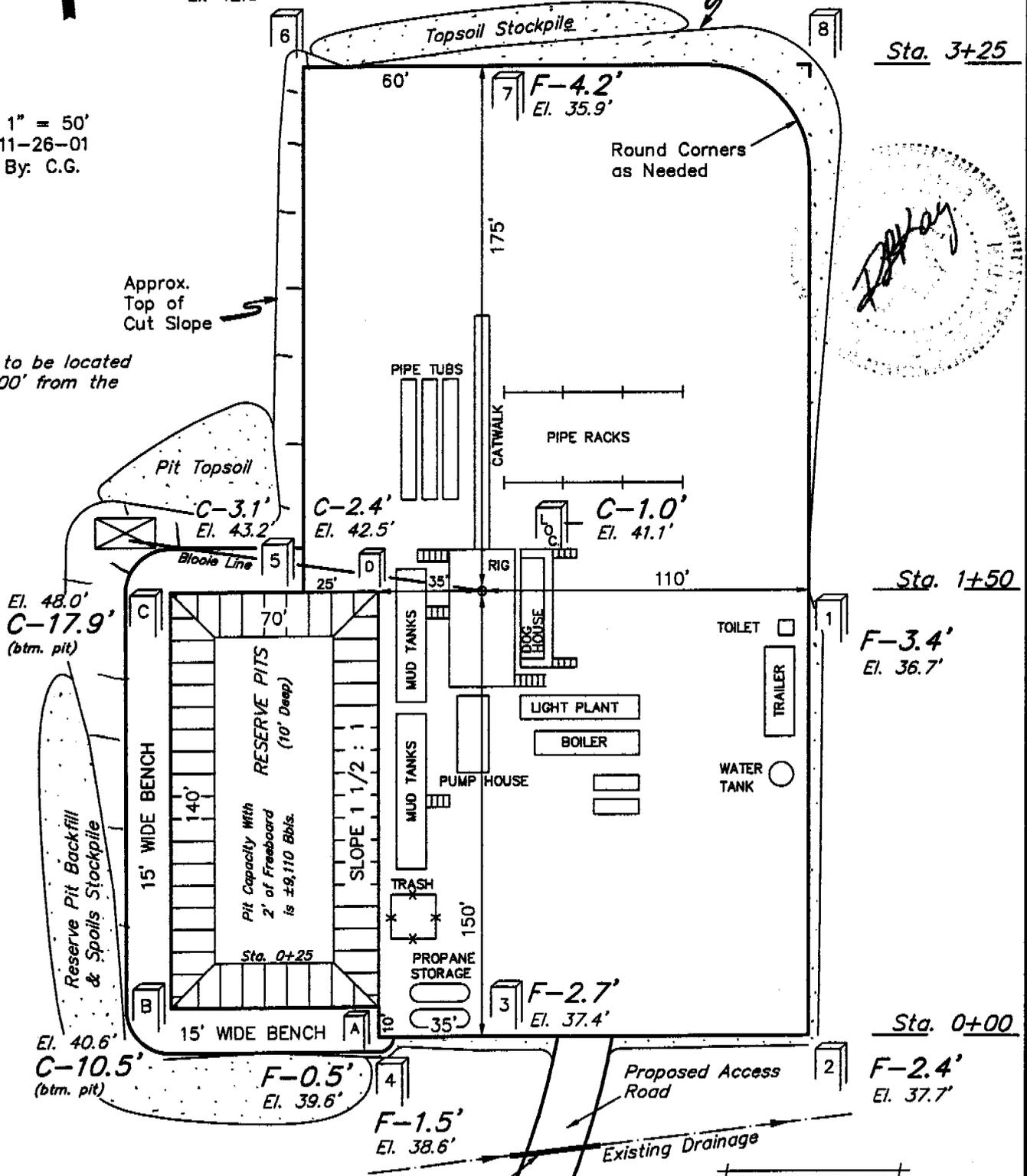


C-2.5'
El. 42.6'

Approx. Toe of Fill Slope F-8.0'
El. 32.1'

SCALE: 1" = 50'
DATE: 11-26-01
Drawn By: C.G.

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4941.1'
FINISHED GRADE ELEV. AT LOC. STAKE = 4940.1'

18" CMP Required

FIGURE #1

EL PASO PRODUCTION OIL & GAS COMPANY

TYPICAL CROSS SECTIONS FOR

NBU #396

SECTION 33, T9S, R21E, S.L.B.&M.

482' FNL 1765' FWL



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

DATE: 11-26-01
Drawn By: C.G.

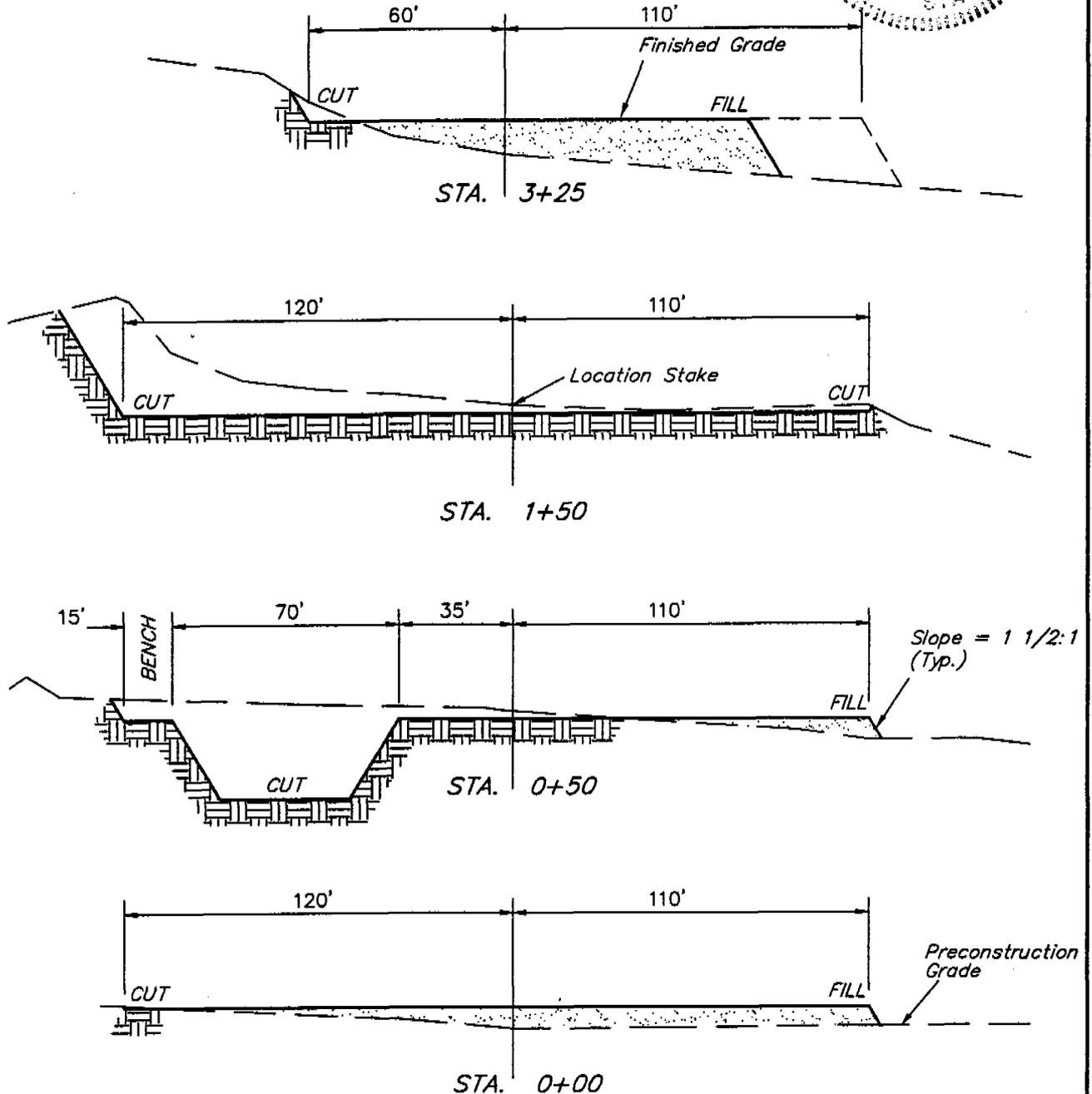


FIGURE #2

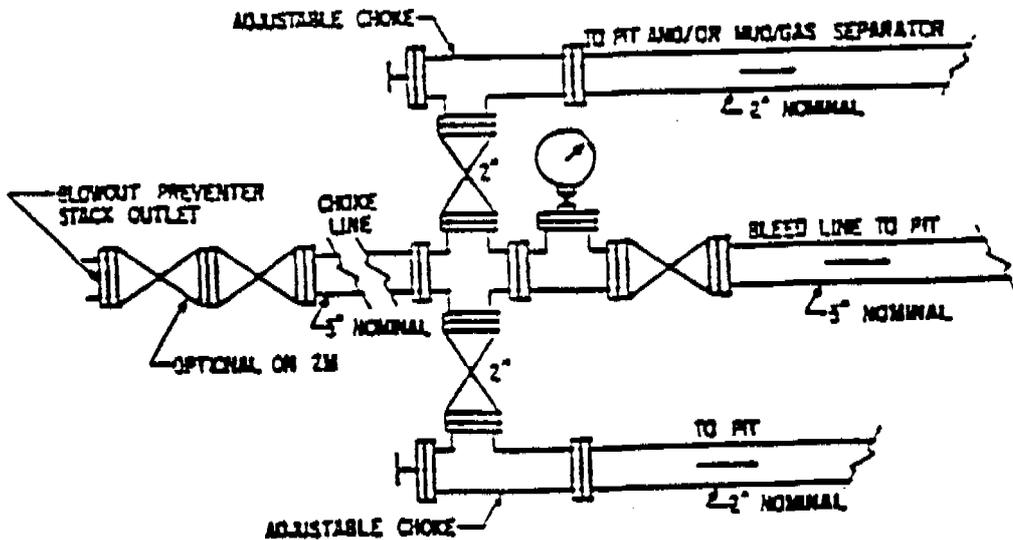
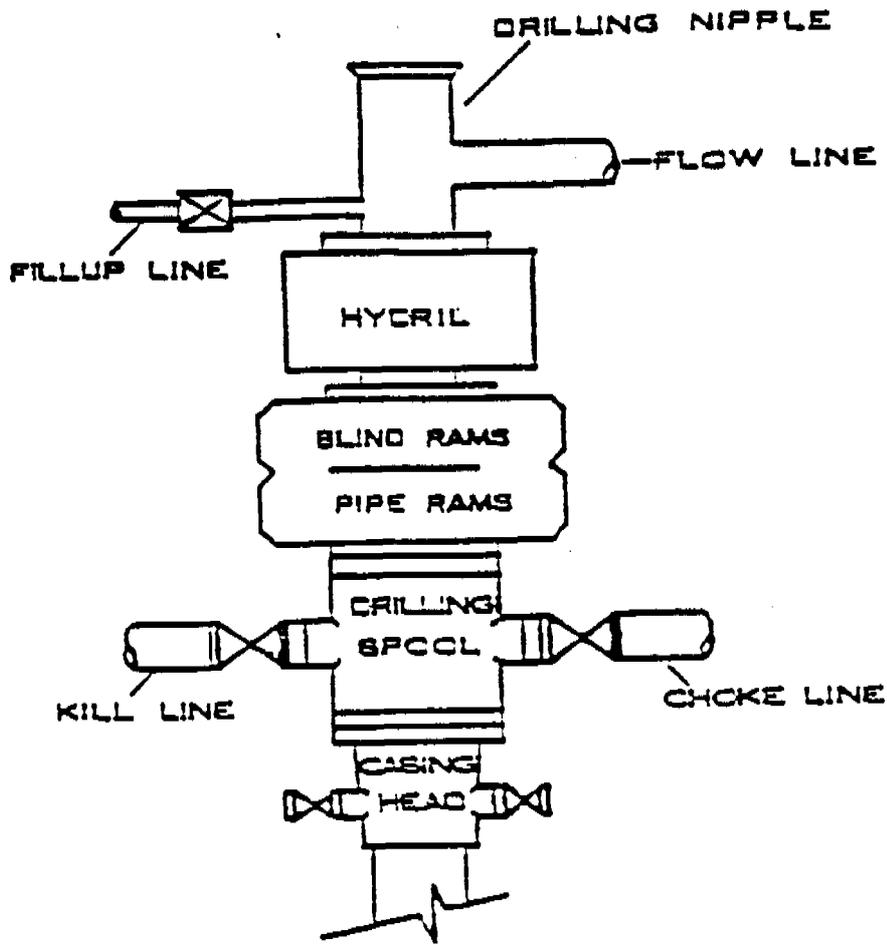
APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,210 Cu. Yds.
Remaining Location	= 5,130 Cu. Yds.
TOTAL CUT	= 6,340 CU.YDS.
FILL	= 3,650 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,500 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,500 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

3,000 PSI

BOF STACK



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

002

APD RECEIVED: 01/28/2002

API NO. ASSIGNED: 43-047-34480

WELL NAME: NBU 396
 OPERATOR: EL PASO PROD OIL & GAS (N1845)
 CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:
 NENW 33 090S 210E
 SURFACE: 0482 FNL 1765 FWL
 BOTTOM: 0482 FNL 1765 FWL
 UINTAH
 NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal
 LEASE NUMBER: U-0576
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSTC

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WY-3457)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date:)
- Fee Surf Agreement (Y/N)

LOCATION AND SITING:

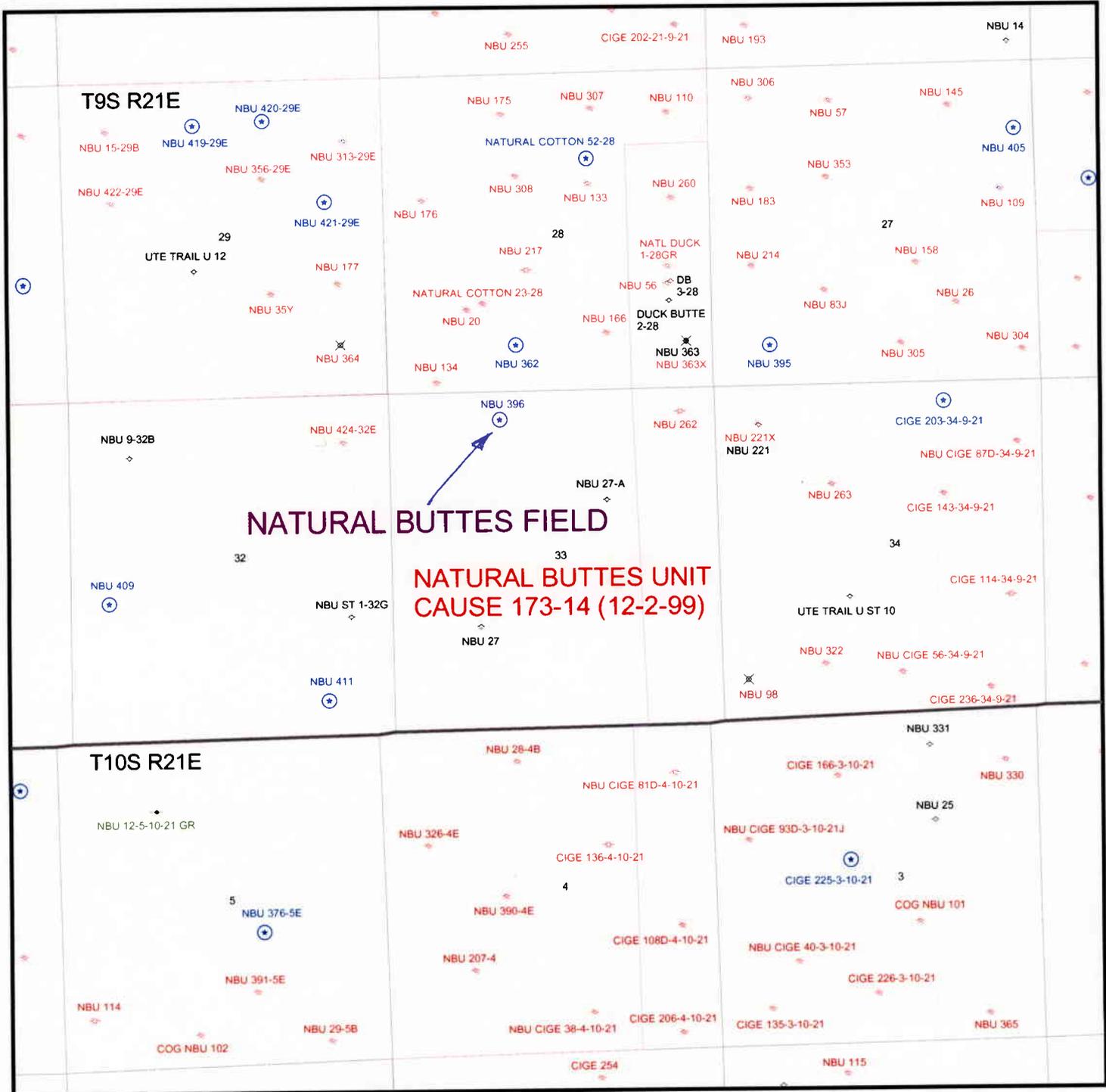
- R649-2-3. Unit NATURAL BUTTES
- R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-99
Siting: 4 1/2 mi. Unit Boundary & Uncomm. Tract
- R649-3-11. Directional Drill

COMMENTS: NBK SOP, separate file.

STIPULATIONS: 1- Fed. Approval
2- oil shale



OPERATOR: EL PASO PROD O&G CO (N1845)
 SEC. 33, T9S, R21E
 FIELD: NATURAL BUTTES (630)
 COUNTY: UINTAH UNIT: NATURAL BUTTES
 CAUSE: 173-14



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 5409

February 1, 2002

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

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

Dear Ms. Maxwell:

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

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

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

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

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

Debby J. Black

Debby J. Black
Engineer Technician

Encl:

003



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)

February 11, 2002

El Paso Production Oil & Gas Company
PO Box 1148
Vernal UT 84078

Re: Natural Buttes Unit 396 Well, 482' FNL, 1765' FWL, NE NW, Sec. 33, T. 9 South, R. 21 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 43-047-34480.

Sincerely,

John R. Baza
Associate Director

er
Enclosures

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

Operator: El Paso Production Oil & Gas Company
Well Name & Number Natural Buttes Unit 396
API Number: 43-047-34480
Lease: U-0576

Location: NE NW **Sec.** 33 **T.** 9 South **R.** 21 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.



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.

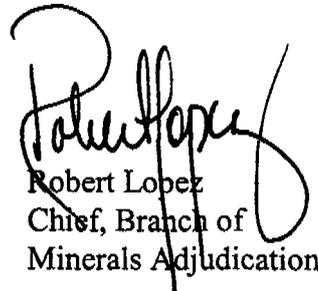
For our purposes, the name change is recognized effective December 31, 2001.

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)

RECEIVED

JAN 28 2002

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No. Natural Buttes Unit
b. 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		8. Lease Name and Well No. NBU #396
2. Name of Operator El Paso Production Oil & Gas Company		9. API Well No.
3A. Address P.O. Box 1148 Vernal, UT 84078	3b. Phone No. (include area code) (435) 781-7023	10. Field and Pool, or Exploratory Natural Buttes
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENW 482' FNL & 1765' FWL At proposed prod. Zone		11. Sec., T., R., M., or Blk, and Survey or Area Sec. 33, T9S, R21E
14. Distance in miles and direction from nearest town or post office* 13.9 Miles Northeast of Ouray, UT		12. County or Parish Uintah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 482'		13. State UT
16. No. of Acres in lease 1480	17. Spacing Unit dedicated to this well 1480	
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. Refer to Topo C	19. Proposed Depth 6800'	20. BLM/BIA Bond No. on file BLM WY 3457
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4940.1' GL	22. Approximate date work will start* Upon Approval	23. Estimated duration To Be Determined

24. Attachments

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

- | | |
|--|---|
| 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 office. |

25. Signature 	Name (Printed/Typed) Cheryl Cameron	Date 1/22/2002
-------------------	---	--------------------------

Approved by (Signature) 	Name (Printed/Typed) Howard B. Clewley	Date 04/25/2002
Title Assistant Field Manager Mineral Resources	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

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

*(Instructions on reverse)

NOTICE OF APPROVAL
RECEIVED

APR 29 2002

DIVISION OF
OIL, GAS AND MINING

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: El Paso Production Oil & Gas Company

Well Name & Number: NBU 396

API Number: 43-047-34480

Lease Number: U-0576

Location: NENW Sec. 33 T. 09S R. 21E

Agreement: NATURAL BUTTES UNIT

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

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

A. DRILLING PROGRAM

1. Casing Program and Auxiliary Equipment

As a minimum, the usable water resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the Green River Formation, identified at 1,610 ft.

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

-A certified paleontologist shall be onsite during the construction of the access road and well location to monitor for fossils.

-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 seed mix outlined in the APD for final reclamation shall be used.

All poundages are in Pure Live Seed.

-Topsoil will not be used for the construction of tank dikes or any other location needs. It shall be left in place for use in the final reclamation process.

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

memorandum

Branch of Real Estate Services
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to
Attn of: Supervisory Petroleum Engineer

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

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

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

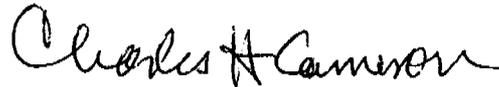
We have no objection.

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

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

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

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



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

005 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-0576

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 #396

9. API Well No.
43-047-34480

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
El Paso Production Oil & Gas Company

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NENW Section 33-T9S-R21E 482'FNL & 1765'FWL

CONFIDENTIAL

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"/> 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 DOGM APD Extension

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.

THE OPERATOR REQUESTS THAT THE APD FOR THE SUBJECT WELL BE EXTENDED FOR AN ADDITIONAL YEAR SO THAT DRILLING OPERATIONS MAY BE COMPLETED.

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

Date: 01-29-03

By: [Signature]

COPY SENT TO OPERATOR

Date: 02-03-03

Initials: CHD

RECEIVED

JAN 28 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) Sheila Upchego	Title Regulatory Analyst
Signature <u>[Signature]</u>	Date January 21, 2003

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS
Washington, D.C. 20240

FEB 10 2003

IN REPLY REFER TO:
Real Estate Services

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

Dear Mr. Wilson:

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

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

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

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

Sincerely,

Director, Office of Trust Responsibilities

ACTING

Enclosure

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: EL PASO PRODUCTION O & G COMPANY

Well Name: NBU 396

Api No: 43-047-34480 Lease Type: FEDERAL

Section 33 Township 09S Range 21E County UINTAH

Drilling Contractor SKI DRILLING RIG# AIR

SPUDDED:

Date 02/20/03

Time 8:00 AM

How ROTARY

Drilling will commence: _____

Reported by JIM MURRAY

Telephone # 1-435-828-1730

Date 02/20/2003 Signed: CHD

013

OPERATOR El Paso Production O&G Co.
ADDRESS P.O. Box 1148
Vernal, UT 84078

OPERATOR ACCT. NO. N 1845

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	90999	2900	43-047-34480	NBU 396	NENW	33	9S	21E	Uintah	2/20/2003	2-26-03 2/20/2003

WELL 1 COMMENTS:

Spud w/ Ski Air Rig @ 8:00 AM

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

WELL 2 COMMENTS:

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

WELL 3 COMMENTS:

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

WELL 4 COMMENTS:

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

WELL 5 COMMENTS:

ACTION CODES (See instructions on back of form)

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

NOTE: Use COMMENT section to explain why each Action Code was selected.
(3/89)

Signature

Operations 02/24/03
Title _____ Date

Phone No. (435) 781-7023

RECEIVED

FEB 24 2003

DIV. OF OIL, GAS & MINING

P. 02

FAX NO. 4357817094

FEB-24-2003 MON 03:31 PM EL PASO PRODUCTION

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

011

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-0576

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 396

9. API Well No.
43-047-34480

10. Field and Pool, or Exploratory Area
Natural Buttes

11. County or Parish, State
Uintah, UT

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
EL PASO PRODUCTION OIL & GAS COMPANY

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)
NENW 482' FNL & 1765' FWL
Sec. 33, T9S, R21E

CONFIDENTIAL

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
			Well Spud

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.

MIRU Skir Air rig & spud 12 1/4" surface hole @ 8:00 am 2/20/03 & drill to 275'. RIH w/ 257' of 9 5/8" 32.3# M-40 ST&C csg. Cmt w/ 111 sx Class G mixed @ 15.8 ppg w/ 1.17 yield.

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) Cheryl Cameron	Title Operations
Signature 	Date February 24, 2003

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO
UT-922

February 27, 2003

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

Re: Natural Buttes Unit
Uintah County, Utah

Gentlemen:

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

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

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

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

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

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

UT922:TAThompson:tt:02/27/2003

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

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.

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

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

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

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

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

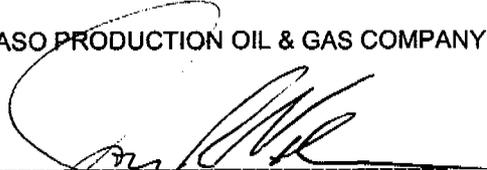
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input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

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

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

BOND # _____
State Surety Bond No. RLB0005236
Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

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

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.
NAME (PLEASE PRINT) David R. Dix

TITLE Agent and Attorney-in-Fact

SIGNATURE 

DATE 12/17/02

(This space for State use only)

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

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

1. Type of Well
 Oil Well Gas Well Other

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

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

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

3a. Address
P.O. BOX 1148 VERNAL, UT 84078
3b. Phone No. (include area code)
(435) 781-7023

10. Field and Pool, or Exploratory Area

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

11. County or Parish, State
UINTAH COUNTY, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Alter Casing
	<input type="checkbox"/> Fracture Treat
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Change Plans
	<input type="checkbox"/> Plug and Abandon
	<input type="checkbox"/> Convert to Injection
	<input type="checkbox"/> Plug Back
	<input type="checkbox"/> Production (Start/Resume)
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<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 zc. 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 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 testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

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

RECEIVED
MAR 04 2003

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

Name (Printed/Typed)
CHERYL CAMERON

Title
OPERATIONS

Signature
Cheryl Cameron

Date
March 4, 2003

BUREAU OF OIL, GAS & MINING

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW <input checked="" type="checkbox"/>
3. FILE

012

X Change of Operator (Well Sold)

Designation of Agent/Operator

Operator Name Change

Merger

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

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

CA No. Unit: NATURAL BUTTES

WELL(S)						
NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
NBU 377	31-09S-21E	43-047-34363	99999	FEDERAL	GW	APD
NBU 378	31-09S-21E	43-047-34364	2900	FEDERAL	GW	P
NBU 409	32-09S-21E	43-047-34421	99999	STATE	GW	APD
NBU 411	32-09S-21E	43-047-34422	99999	STATE	GW	APD
NBU 424-32E	32-09S-21E	43-047-33699	2900	STATE	GW	P
NBU 27	33-09S-21E	43-047-30304	2900	STATE	GW	PA
NBU 27-A	33-09S-21E	43-047-30398	2900	STATE	GW	PA
NBU 262	33-09S-21E	43-047-32929	2900	FEDERAL	GW	S
NBU 396	33-09S-21E	43-047-34480	2900	FEDERAL	GW	DRL
NBU 428	33-09S-21E	43-047-34709	99999	STATE	GW	APD
NBU 438	33-09S-21E	43-047-34787	99999	STATE	GW	APD
NBU CIGE 56-34-9-21	34-09S-21E	43-047-30530	2900	STATE	GW	P
NBU CIGE 87D-34-9-21	34-09S-21E	43-047-30869	2900	STATE	GW	P
NBU 98V	34-09S-21E	43-047-31327	2900	FEDERAL	GW	TA
CIGE 114-34-9-21	34-09S-21E	43-047-31915	2900	FEDERAL	GW	S
CIGE 143-34-9-21	34-09S-21E	43-047-31995	2900	FEDERAL	GW	P
NBU 221	34-09S-21E	43-047-32499	2900	FEDERAL	GW	PA
NBU 221X	34-09S-21E	43-047-32545	2900	STATE	GW	P
CIGE 236-34-9-21	34-09S-21E	43-047-32861	2900	STATE	GW	P
CIGE 203-34-9-21	34-09S-21E	43-047-32881	2900	STATE	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: 03/18/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/18/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE WELL(S) BOND VERIFICATION:

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

FEDERAL WELL(S) BOND VERIFICATION:

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

INDIAN WELL(S) BOND VERIFICATION:

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

FEE WELL(S) BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

007

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

5. Lease Serial No.
U-0576

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 396

9. API Well No.
43-047-34480

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UT

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

CONFIDENTIAL

NENW 482' FNL, 1765' FWL
SEC. 33, T9S, R21E

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
			DRLG OPERATIONS

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

COMPLETED DRLG OPERATIONS W/ CAZA, RIG #82. DRIL F/ 275' - 6435'. RIH W/ 6430' OF 4 1/2" 11.6# LT&C CSG. LEAD W/ 550 SX PREM LITE II MIXED @ 11.0 PPG W/ 3.38 YIELD. TAIL W/ 660 SX POZ G MIXED @ 14.3 PPG 1.31 YIELD.

RELEASED RIG @ 0100 HRS 3/8/03.

RECEIVED

MAR 18 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) CHERYL CAMERON	Title OPERATIONS
Signature 	Date MARCH 10, 2003

THIS SPACE FOR FEDERAL OR STATE USE

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

008

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-0576

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
NBU 396

9. API Well No.
43-047-34480

10. Field and Pool, or Exploratory
NATURAL BUTTES

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

CONFIDENTIAL

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
WESTPORT OIL & GAS COMPANY LP
Contact: CHERYL CAMERON
E-Mail: ccameron@westportresourcescorp.com

3a. Address
P.O. BOX 1148
VERNAL, UT 84078
3b. Phone No. (include area code)
Ph: 435.781.7023
Fx: 435.781.7094

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 33 T9S R21E NENW 482FNL 1765FWL

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 Production Start-up
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

THE SUBJECT WELL WAS PLACED ON SALES @ 6:00 PM, 3/17/03. REFER TO THE ATTACHED CHRONOLOGICAL DRILLING & COMPLETION HISTORY REPORT.

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

Electronic Submission #19902 verified by the BLM Well Information System
For WESTPORT OIL & GAS COMPANY LP, sent to the Vernal

Name (Printed/Typed) CHERYL CAMERON

Title OPERATIONS

Signature  (Electronic Submission)

Date 03/24/2003

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By _____

Title _____

Date _____

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

Office _____

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

** ORIGINAL **RECEIVED**

MAR 28 2003

WESTPORT OIL & GAS COMPANY, LP
 PRODUCTION REPORT

CHRONOLOGICAL HISTORY

NBU 396

Page 1

UINTAH COUNTY, UT

DRILLING REPORT: NBU, Uintah, UT Wl: 100% AFE: 8/8THS AFE M\$: 528
 Target pay: Wasatch ATD: 7,000'

1/27/03	Waiting to start location. Will notify Blue Stakes.
1/28/03	Blue Stakes notified. WO Blue Stakes.
1/29/03	Blue Stakes notified. WO Blue Stakes.
1/30/03	Blue Stakes notified. WO Blue Stakes.
1/31/03	Building location. 5% complete.
2/3/03	Building location. 15% complete.
2/4/03	Building location. 20% complete.
2/5/03	Building location. 21% complete.
2/6/03	Building location. 21% complete.
2/7/03	Building location. 21% complete.
2/10/03	Building location. 45% complete.
2/11/03	Building location. 50% complete.
2/12/03	Building location. 65% complete.
2/13/03	Building location. 80% complete.
2/14/03	Building location. 95% complete.
2/17/03	Building location. 100% complete.
2/18/03	Building location. 100% complete.
<hr/>	
2/19/03	Building location. 100% complete. <u>Drop from report</u> until drilling operations begin.
2/21/03	Rig: Ski Drilling air rig AFE: 803040D 8/8THS AFE M\$: 528 ATD: 6,300' CSG: 9 5/8" @ 275' TD: 275 MW: air mist SD: DSS: Spudded @ 8 a.m. 2/20/03. Drilled 12 1/4" hole to 275'. Ran 9 5/8" csg. Cmt w/BJ, circ to surf, hole stayed full. BLM & UDOGM notified, no witnesses.
2/24/03	WORT. <u>Drop from report</u> until drilling operations commence.
2/28/03	Rig: Caza 82 MI Caza 82, raised derrick @ dusk, 80% rigged up (move slow due to mud). NUBOP.
3/3/03	Tst BOP. Drilled 3935' in 60 hrs. Hit wtr @ 2500'. Drilling @ report time.
3/4/03	TD: 4980' MW: air mist SD: DSS: 4 Drilled 49' in 2 hrs. Trip for motor & bit. Drilled 721' in 17 hrs. Drilling @ report time.
3/5/03	TD: 5750' MW: 8.5 SD: 2/28/03 DSS: 5 Drilled 770' in 23.5 hrs. Drilling @ report time.
3/6/03	NE/NW 31-9S-21E TD: 6435' MW: 8.5 SD: 2/28/03 DSS: 6 Drilled 685' in 23 hrs, TD @ 0600. Circ for logs @ report time.

3/7/03 TD: 6435' MW: 8.5 SD: 2/28/03 DSS: 7
C&C F/logs. TOOH. Run OH logs. TIH & LDDP.

3/10/03 TD: 6435' MW: 8.5 SD: 2/28/03 DSS: 8
LDDP & DC's, run csg, cmt, hang csg, RD. Ris rig @ 0100 3/8/03.

3/11/03 WO completion.

3/12/03 PBDT: 6,382' PERFS: 6,190'-5,354' CSG: 4 1/2", 11.6#
READY TO PERF
RIG CREW HELD SAFETY MEETING: RIGGING UP. RU RIG & EQUIP. NDWH. NUBOPE. PU 3 7/8" MILL, 1 JT SN. PU & TALLY 2 3/8" J-55 TBG. RIH TO 6370'. CIRC HOLE W/100 BBLs 2% KCL. TST CSG @ 5000#. POOH W/2 3/8" TBG. LD 34 JTS, STANDING BACK 82 STANDS. SIW. SDFD.

3/13/03 **READY TO FRAC**
RIG CREW HELD SAFETY MEETING (WIRELINE SAFETY). RU CUTTERS. PU PERF GUNS & RIH TO 6190'-6186' & PERF 3 SPF, 12 HOLES. PUH. PERF @ 6144'-6138', 3 SPF, 18 HOLES W/23 GRAM CHARGES, 120 DEG PHASING. POOH W/WIRELINE. BRK DN PERF @ 2000#, ISIP: 1300#. PMP 5 BBLs 2 1/2 BPM @ 2400#, FG: .65. RD CUTTERS. SIW. SDFD.

3/14/03 **READY TO FRAC**
HELD SAFETY MEETING W/DOWELL & TST LINES @ 6000#..
STAGE 1: PMP 670 BBLs YF114ST & 67,800# 20/40 SD. ISIP: 2369#, NPI: 1069#, FG: .82, ATP: 3149#, MTP: 4494#, ATR: 34.4 BPM, MTR: 39.9 BPM.
STAGE 2: RIH W/4 1/2" CBP & PERF GUN TO 6080'. SET PLUG. PUH & PERF @ 6020'-6030', 3 SPF, 30 HOLES W/23 GRAM CHARGES, 120 DEG PHASING. POOH. TRY TO BRK PERF. WOULDN'T BRK. RIH. DUMP BAIL ACROSS PERF. BRK DN PERF @ 2056#. ISIP: 1960#, FG: .77. PMP 438 BBLs YF114ST & 38,500# 20/40 SD. ISIP: 2359#, NPI: 399#, FG: .83, ATP: 2796#, MTP: 3971#, ATR: 26.6 BPM, MTR: 30.9 BPM.
STAGE 3: RIH W/4 1/2" CBP & PERF GUN TO 5970' & SET PLUG. COULDN'T GET OFF. RD DOWELL. WO FISHING TOOL. RIH W/3 7/8" OS W/3 1/8" GRAPPLE, 3 7/8" EXT, LBS, JAR, X-OVER & PUP JT TO FISH TOP, 5947' LATCHED FISH. POOH W/SETTING TOOL & PERF GUNS. LD SETTING TOOL GUNS & FISHING TOOLS. SIW. SDFD.

3/17/03 **DRILLING OUT CBP**
3/15/03: RIG CREW & DOWELL HELD SAFETY MEETING. RU CUTTERS WIRELINE. RIH W/PERF GUNS TO 5854'-5864' & PERF 3 SPF, 30 HOLES W/23 GRAM CHARGES, 120 DEG PHASING. BRK DN PERF @ 3127#, ISIP: 1050#, FG: .61. PMP 688 BBLs YF116ST & 66,000# 20/40 SD. ISIP: 2629#, NPI: 1579#, FG: .88, ATP: 3009#, MTP: 3519#, ATR: 30 BPM, MTR: 34.9 BPM.
STAGE 4: PU 4 1/2" CBP & PERF GUNS TO 5800'. SET CBP. PUH TO 5728'-5734' & 5716'-5720' & PERF 3 SPF, 30 HOLES W/23 GRAM CHARGES, 120 DEG PHASING. BRK DN PERF @ 1717#, ISIP: 1050#, FG: .62. PMP 774 BBLs YF114ST & 73,100# 20/40 SD. ISIP: 1960#, NPI: 910#, FG: .78, ATP: 2685#, MTP: 3402#, ATR: 35.3 BPM, MTR: 46.4 BPM.
STAGE 5: PU 4 1/2" CBP & PERF GUN TO 5660'. SET CBP. PUH TO 5354'-5364'. PERF 3 SPF, 30 HOLES W/23 GRAM CHARGES, 120 DEG PHASING. BRK DN PERF @ 1732#, ISIP: 600#, FG: .55, PMP 481 BBLs YF114ST & 50,100# 20/40 SD. ISIP: 2319#, NPI: 1719#, FG: .87, ATP: 2576#, MTP: 3002#, ATR: 28.9 BPM, MTR: 30.7 BPM. RIH W/4 1/2" CBP TO 5300'. SET CBP. POOH. RD CUTTERS & DOWELL. PU 3 7/8" MILL TOOTH BIT. PMP OFF SUB, PSN & RIH TO 5290'. RU DRILLING EQUIP. SDFD.
ACT: FLOW WELL, CLEAN UP FROM FRAC
3/16/03: HELD SAFETY MEETING: DRILLING CBP'S W/AIR FOAM. RU WEATHERFORD AIR FOAM UNIT & BRK CIRC @ 5280'.
PLUG #1: DRILL 4 1/2" CBP @ 5300', 9 MIN, 0# PRESS INCR. RIH & TAG @ 5635'. CO 25' SD.
PLUG #2: DRILL 4 1/2" CBP @ 5660', 20 MIN, 500# PRESS INCR. RIH & TAG @ 5720', CO 80' SD.
PLUG #3: DRILL 4 1/2" CBP @ 5800', 30 MIN, 200# PRESS INCR. RIH. TAG @ 5945'. CO 25' SD.
PLUG #4: DRILL 4 1/2" CBP @ 5970', 10 MIN, 300# PRESS INCR. RIH. TAG @ 6025'. CO 55' SD.
PLUG #5: DRILL 4 1/2" CBP @ 6080', 20 MIN, 300# PRESS INCR. RIH. TAG @ 6140'. CO 230' SD TO PBDT @ 6370'.
NOTE: 5 HRS TO DRILL CBP'S, 8-10K WT, 100 RPM, 1 1/2 BPM, FLU. CIRC WELL CLEAN. PUH & LD 8 JTS TBG & STRING FLOAT. LAND TBG. EOT @ 6118', SN

@ 6116'. RD TBG EQUIP. NDBOP. NUWH. DROP BALL & PMP OFF BIT. WELL FLOWING TO FLOW BACK TANK. SICP: 700#, FTP: 200#, FULL CHK. TURN WELL OVER TO DELSCO FLOW BACK CREW. SDFD.

3/18/03

ON PROD

WENT ON SALES @ 6:00, 3/17/03. 750 MCFD, CP: 675#, TP: 80#, 406 BW, 64/64" CHK, 14 HRS. LLTR: 1564 BBLs.

3/18/03 PROG: 500 MCFD, CP: 520#, TP: 50#, 376 BW, 64/64" CHK, 24 HRS, LLTR: 1188 BBLs.

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(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	Descriptions, Contents, etc.	Name	Top Meas. Depth
GREEN RIVER	1625	4879			

32. Additional remarks (include plugging procedure):
NO REMARK PROVIDED

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):

**Electronic Submission #20192 Verified by the BLM Well Information System.
For WESTPORT OIL & GAS COMPANY LP, sent to the Vernal**

Name (please print) CHERYL CAMERON Title OPERATIONS

Signature  Date 04/01/2003

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.

Form 3160-4
Additional Page For Comments

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

U-0576
Lease Serial No.

NBU 396
NENW SEC. 33, T9S, R21E

ITEM# 25, 26 & 27

<u>INTERVAL</u> <u>WASATCH</u>	SIZE	NUMBER
6138-6144	3 SPF	18 HOLES
6020-6030	3 SPF	30 HOLES
5854-5864	3 SPF	30 HOLES
5728-5734 5716-5720	3 SPF	30 HOLES
5354-5364	3 SPF	30 HOLES

DEPTH INTERVAL	AMOUNT & KIND OF MATERIAL
6138-6144	FRAC W/ 67,800# 20/40 SD
6020-6030	FRAC W/ 38,500# 20/40 SD
5854-5864	FRAC W/ 66,000# 20/40 SD
5728-5734 5716-5720	FRAC W/ 73,100# 20/40 SD
5354-5364	FRAC W/ 50,100# 20/40 SD

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

014

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

3b. Phone No. (include area code)
(435)781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
**NENW 482' FNL 1765' FWL
 SEC 33-T9S-R21E**

CONFIDENTIAL

5. Lease Serial No.
U-0576

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 396

9. API Well No.
43-047-34480

10. Field and Pool, or Exploratory Area
NATURAL BUTTES

11. County or Parish, State
UINTAH, UT

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input 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 SWAB
			7/4/03

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.

7/4/03- SWAB WELL.

MIRU CUTTERS. POOH P/U DMP BAILER LOAD W/ 1 SKS CMT & RIH DMP BAIL CMT ON CIBP @ 6100' (EST CMT TOP @ 6090'). POOH RDMO CUTTERS. P/U 2 3/8" MULE SHOE, 2 3/8" S.N. & RIH. LAND TBG W/ EOT @ 5855'.

7/5/03- RETURN WELL TO PROD. RDMO. 10:00 AM.

RECEIVED

JUL 28 2003

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) DEBRA DOMENICI	Title ADMINISTRATIVE ASSISTANT
Signature <i>Debra Domenici</i>	Date July 21, 2003

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
-------------	-------	------

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

Office

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

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

015

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

9S 21E 33 4304734480

5. Lease Serial No.
 Multiple Wells - see attached

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.
 Multiple Wells - see attached

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

11. County or Parish, State
 Uintah County, UT

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

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

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III.c.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	COPY SENT TO OPERATOR Date: 9/16/03 Initials: JTC	Title Operations Manager
Signature <i>J.T. Conley</i>	Date 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 _____ Date _____

Office: Oil, Gas and Mining

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.

Date: 9/16/03

Federal Approval of This Action is Necessary

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
Totals	\$0	\$350	\$350

Increased OPX Per Year

Investment Breakdown:

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

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

Production & OPX Detail:

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

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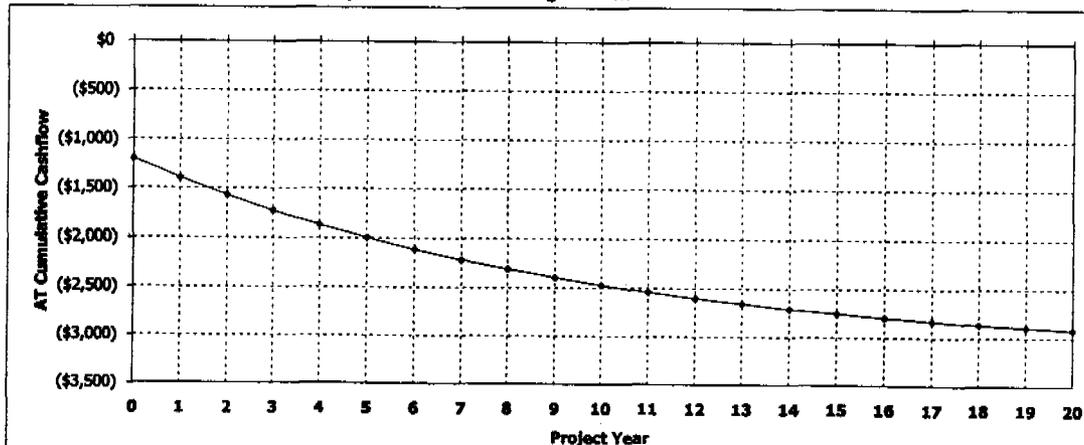
Gross Reserves:

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

Notes/Assumptions:

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

Project: Condensate Shrinkage Economics



Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

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

Calculated at Laboratory Flash Conditions

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

Calculated Flash with Backpressure using Tuned EOS

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

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

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

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

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

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	430473440800S1
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	430473370800S1
NBU 360	29-10-22 SESW	UTU0145824	891008900A	430473377300S1
NBU 361	32-10-22 NWNW	ML22798	891008900A	430473370500S1 ✓
NBU 362	28-9-21 SESW	UTU0576	891008900A	430473377400S1
NBU 363	28-9-21 SESE	UTU0576	891008900A	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

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

X Change of Operator (Well Sold)

Operator Name Change/Merger

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

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

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

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

DATA ENTRY:

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

BOND VERIFICATION:

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

LEASE INTEREST OWNER NOTIFICATION:

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

COMMENTS:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

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

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

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

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

5. Lease Serial No.
MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.
MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State
UINTAH COUNTY, UTAH

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

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

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

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 <i>Randy Bayne</i>	Date May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

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

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

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 CHANGE OF OPERATOR

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

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

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

RECEIVED
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

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

THIS SPACE FOR FEDERAL OR STATE USE

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

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



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

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

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, 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 checked="" type="checkbox"/>		OTHER _____	
2. NAME OF OPERATOR:		KERR MCGEE OIL & GAS ONSHORE LP					
3. ADDRESS OF OPERATOR:		1368 SOUTH 1200 EAST		CITY	VERNAL	STATE	UT
				ZIP	84078	PHONE NUMBER:	(435) 781-7024
4. LOCATION OF WELL		FOOTAGES AT SURFACE:		482' FNL 1765' FWL		COUNTY: UINTAH	
		QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		NENW 33 9S 21E		STATE: UTAH	

5. LEASE DESIGNATION AND SERIAL NUMBER:	U-0576
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	NATURAL BUTTES UNIT
8. WELL NAME and NUMBER:	NBU 396
9. API NUMBER:	4304734480
10. FIELD AND POOL, OR WILDCAT:	NATURAL BUTTES

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 (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"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" 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>Run CBL</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Possible Cement Remediation work</u>

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

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR

Date: 11.13.2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE *Sheila Upchego*

DATE 11/6/2008

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

Date: 11/10/08

By: *D. Smith*

(See Instructions on Reverse Side)

RECEIVED

NOV 10 2008

DIV. OF OIL, GAS & MINING

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-33F (API 43-047-36391) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1645'-1970':

Perforate 1942' and 1674' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1970'
Release Packer
Reset RPB at 1750' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1645'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1942' and 1674' and return well to production status.

CORRECTIVE ACTION for NBU 396 (API 43-047-34480) - Cement Bond Log (RTS):
to prove fluid confinement within the proposed injection interval 1660'-1981':

Set RPB at 5300'
Run CBL from 5300' - Surface
Remedial Activity will be contingent upon CBL Results

CORRECTIVE ACTION for NBU 438 (API 43-047-34787) - Radioactive Tracer Survey (RTS): to prove fluid confinement within the proposed injection interval 1653'-1966':

Set RPB at 2600' w/ 10' sand on top and test to 3000 psi.
Perforate 4-1/2" casing at 2450 and establish circulation thru perfs from 2450' - Surface
Set CICR at 2400' and establish circulation thru perfs from 2450' - Surface
Cement 4-1/2" x 9-5/8" annulus from 2450' - Surface
Sting out CICR, Circulate 4-1/2" casing clean, and WOC
Perforate 1940' and 1670' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1966'
Release Packer
Reset RPB at 1700' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1653'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1940' and 1670' and return well to production status.

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
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 checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP			8. WELL NAME and NUMBER: NBU 396
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-7024	9. API NUMBER: 4304734480
4. LOCATION OF WELL FOOTAGES AT SURFACE: 482' FNL 1765' FWL			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 33 9S 21E			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 (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 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 checked="" 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>Remedial/Correct</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.

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR

Date: 11.26.2008

Initials: KS

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE <u><i>Sheila Upchego</i></u>	DATE <u>11/6/2008</u>

(This space for State use only)

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

Date: 11/25/08
By: *Debra*

Federal Approval Of This
Action Is Necessary

RECEIVED

NOV 12 2008

APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-33F (API 43-047-36391) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1645'-1970':

Perforate 1942' and 1674' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1970'
Release Packer
Reset RPB at 1750' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1645'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1942' and 1674' and return well to production status.

CORRECTIVE ACTION for NBU 396 (API 43-047-34480) - Cement Bond Log (RTS):
to prove fluid confinement within the proposed injection interval 1660'-1981':

Set RPB at 5300'
Run CBL from 5300' - Surface
Remedial Activity will be contingent upon CBL Results

CORRECTIVE ACTION for NBU 438 (API 43-047-34787) - Radioactive Tracer Survey (RTS): to prove fluid confinement within the proposed injection interval 1653'-1966':

Set RPB at 2600' w/ 10' sand on top and test to 3000 psi.
Perforate 4-1/2" casing at 2450 and establish circulation thru perfs from 2450' - Surface
Set CICR at 2400' and establish circulation thru perfs from 2450' - Surface
Cement 4-1/2" x 9-5/8" annulus from 2450' - Surface
Sting out CICR, Circulate 4-1/2" casing clean, and WOC
Perforate 1940' and 1670' w/ 4 SPF
TIH w/ RPB and Packer
Set RPB at 2100' and Packer at 1900'
Conduct RTS to prove fluid confinement above 1966'
Release Packer
Reset RPB at 1700' and Packer at 1450'
Conduct RTS to prove fluid confinement below 1653'
Remedial Activity will be contingent upon RTS Results
Squeeze perforations at 1940' and 1670' and return well to production status.

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 396
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047344800000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0482 FNL 1765 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 33 Township: 09.0S Range: 21.0E 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: 3/20/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" 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: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 THE SUBJECT WELL RETURNED TO PRODUCTION ON 3/20/2010.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 March 30, 2010

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 3/30/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/25/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input checked="" type="checkbox"/> OTHER	OTHER: REMEDIAL CEMENT

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

THE OPERATOR REQUESTS TO CANCEL THE APPROVED WATER DISPOSAL AND REMEDIAL CEMENT WORK, IN ACCORDINANCE WITH EPA CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778. THE NOI WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON 11/26/2008. OPERATOR HAS RETURNED THE WELL BACK TO PRODUCTION ON 3/20/2010, AND SUBMITTED TO THE AGENCIES ON 3/30/2010 AND HAS BEEN ACCEPTED FOR RECORD ONLY.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 June 01, 2010

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 5/25/2010	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
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<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 05/25/2011.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY		
NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/13/2011	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
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<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/14/2011 <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 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: 50px;" type="text"/>

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

The Operator requests approval to plug back the existing Wasatch perforations and recomplete this well to the Green River formation as outlined in the attached procedure. Please contact the undersigned if you have any questions and/or concerns. Thank you.

Accepted by the Utah Division of Oil, Gas and Mining

Date: 10/19/2011

By: *Derek Quist*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/13/2011	

Greater Natural Buttes Unit



NBU 396 **RE-COMPLETIONS PROCEDURE**

DATE:9/22/2011
AFE#:
API#:4304734480
USER ID:CKW374 (Frac Invoices Only)

COMPLETIONS ENGINEER: Michael Sollee, Denver, CO
(720)-929-6057 (Office)
(832)-859-0515 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 396
Location: NE NW Sec 33 T9S R21E
Uintah County, UT
LAT: 39.99854 LONG: -109.55892 COORDINATE: NAD27
Date: 9/22/2011

ELEVATIONS: 4940' GL 4955' KB *Frac Registry TVD: 6435*

TOTAL DEPTH: 6435' **PBTD:** 6382'
SURFACE CASING: 9 5/8", 32.3# M-40 ST&C @ 273'
PRODUCTION CASING: 4 1/2", 11.6#, K-55 LT&C @ 6430'
 Marker Joint **4857-4874'**

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 4 1/2" Annulus				0.0101	0.4227

TOPS:

1527' Green River Top
 1660' Bird's Nest Top
 2181' Mahogany Top
 4879' Wasatch Top

BOTTOMS:

6435' Wasatch Bottom (TD)

T.O.C. @ 410'

GENERAL:

- Estimated 40 sx Class G cement needed for procedure.
- A minimum of **8** 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 3/6/2003
- **2** fracturing stages required for coverage.
- Procedure calls for **2** CBP's (**8000** 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 Ottawa sand, **Slickwater frac with 100 gpt 15% HCL (See Schedule)**
- Maximum surface pressure **4000** 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.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- **TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLs**
- Tubing Currently Landed @~5508
- Originally completed on 3/2003

PERFORATIONS

Formation	Date	Top	Bottom	SPF	Status
Wasatch	3/15/2003	5354	5364	3	Open
Wasatch	3/15/2003	5716	5720	3	Open
Wasatch	3/15/2003	5728	5734	3	Open
Wasatch	3/14/2003	6020	6030	3	Open
CIBP	7/4/2003	6090			
Wasatch	3/13/2003	6138	6144	3	Excluded
Wasatch	3/13/2003	6186	6190	3	Excluded

WELL HISTORY

Completion – March 2003

- Perforated the gross Wasatch interval 6186' through 6144' and fractured with 670 bbl gel containing 67800# 20/40 mesh sand.
- Perforated the Wasatch interval 6020-6030' and fractured with 438 bbl gel containing 38500# 20/40 mesh sand.
- Perforated the gross Wasatch interval 5728' through 5720' and fractured with 774 bbl gel containing 73100# 20/40 mesh sand.
- Perforated the Wasatch interval 5354-5364' and fractured with 481 bbl gel containing 50100# 20/40 mesh sand.
- Drilled out to original PBTD and landed tubing at 6118'.
- Tested 192 MCFD, 0 BOPD, 81 BWPD, 69 psi FTP, 515 psi SICP, 64/64th choke on 3/21/2003.

Workover #1 – July 2003

- Pulled equipment and set CIBP at 6100' with 10' of cement on top.
- Landed tubing at 5855' and RTP.

H2S History:

Date	H2S H2S_SEPARATO R_PPM
10/1/2008	0.00
11/1/2008	0.00
12/1/2008	0.00
1/1/2009	0.00
2/1/2009	0.00
3/1/2009	0.00
4/1/2009	0.00
5/1/2009	0.00
6/1/2009	0.00
7/1/2009	0.00
8/1/2009	0.00
10/1/2009	0.00
11/1/2009	0.00

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

- MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
- RU WIRELINE. ENSURE WELLBORE IS CLEAN.
- PLUG #1, ISOLATE WAS PERFORATIONS (5354' – 6144')**: RIH W/ 4 ½" CIBP. SET @ ~5300'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX/ 1.6 BBL/ 8.72 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~5200'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
- PLUG #2, PROTECT TOP OF WASATCH (4879')**: PUH TO ~4980'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4770' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
- ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 4000 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" 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.
- Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
Green River	4378	4379	3	3
Green River	4407	4408	4	4

Green River	4418	4420	4	8
Green River	4574	4577	3	9

7. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~4378' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
NOTE: TIGHT SPACING THIS STAGE, OVERFLUSH BY 5BBLs
8. Set 8000 psi CBP at ~4,351'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|-------------|------|------|-----|------------|
| Green River | 4218 | 4220 | 3 | 6 |
| Green River | 4279 | 4280 | 3 | 3 |
| Green River | 4290 | 4291 | 3 | 3 |
| Green River | 4308 | 4310 | 3 | 6 |
| Green River | 4320 | 4321 | 3 | 3 |
9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~4218' and flush only with recycled water.
10. Set 8000 psi CBP at~4,168'.
11. ND Frac Valves, NU and Test BOPs.
12. TIH with 3 7/8" bit, pump off sub, SN and tubing.
13. Drill plugs and clean out to 4677. Shear off bit and land tubing at $\pm 4408'$ unless indicated otherwise by the well's behavior. The well will be commingled at this time.
14. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
15. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

For design questions, please call
Michael Sollee, Denver, CO
(720)-929-6057 (Office)
(832)-859-0515 (Cell)

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

NOTES:

TIGHT SPACING ON STAGE 1; OVERFLUSH BY 5 BBLs

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.

Service Company Supplied Chemicals - Job Totals

Friction Reducer	68	gals @	0.5	GPT
Surfactant	137	gals @	1.0	GPT
Clay Stabilizer	137	gals @	1.0	GPT
15% Hcl	14461	gals @	250	gal/stg
Iron Control for acid	72	gals @	5.0	GPT of acid
Surfactant for acid	14	gals @	1.0	GPT of acid
Corrosion Inhibitor for acid	29	gals @	2.0	GPT of acid

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

Scale Inhibitor	318	gals pumped per schedule above
Biocide	68	gals @ 0.5 GPT

Name NBU 396 - GR Recomplete

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	Green River	4378	4379	3	3	4377	to	4380
	Green River	4407	4408	4	4	4406	to	4410
	Green River	4418	4420	4	8	4417	to	4423
	Green River	4574	4577	3	9	4569	to	4582
	# of Perfs/stage				24	CBP DEPTH	4,351	
2	Green River	4218	4220	3	6	4215	to	4232
	Green River	4279	4280	3	3	4277	to	4282
	Green River	4290	4291	3	3	4287	to	4292
	Green River	4308	4310	3	6	4304	to	4317
	Green River	4320	4321	3	3	4318	to	4321
	# of Perfs/stage				21	CBP DEPTH	4,168	
	Totals				45			

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

Michael Sollee: 832-859-0515, 720-929-6057

Production Engineer

Brad Laney: 435-781-7031

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

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 Gas Well	5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
PHONE NUMBER: 720 929-6511	8. WELL NAME and NUMBER: NBU 396
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0482 FNL 1765 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 33 Township: 09.0S Range: 21.0E Meridian: S	9. API NUMBER: 43047344800000
	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: 3/13/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" 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.

THE SUBJECT WELL WAS RETURNED BACK TO PRODUCTION ON
03/13/2012.

**Accepted by the
 Utah Division of
 Oil, Gas and Mining
 FOR RECORD ONLY
 April 18, 2012**

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 4/12/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
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2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047344800000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6510
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0482 FNL 1765 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 33 Township: 09.0S Range: 21.0E 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

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<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/28/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
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The operator requests approval to abandon the existing Wasatch formation, and recomplete the subject well in the Green River formation. This change will move the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. This is a federal well with the lease number UTU0576. Please see the attached procedure. Thank you.

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

Date: March 28, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Luke Urban	PHONE NUMBER 720 929-6501	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 3/28/2013	



Maverick Unit

NBU 396
RE-COMPLETIONS PROCEDURE
FIELD ID: N/A

DATE: 03/16/2013
AFE#:
API#: 4304734480
USER ID: WIU473

COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO
(720) 929-6348 (Office)
(303) 601-7259 (Cell)

REMEMBER SAFETY FIRST!

Name: NBU 396
Location: NE NW Sec 33 T9S R21E
LAT: 39.998445 **LONG: -109.559816** **COORDINATE: NAD83 (Surface Location)**
Uintah County, UT
Date: **03/16/2013**

ELEVATIONS: 4940' GL 4955' KB *Frac Registry TVD: 6435*

TOTAL DEPTH: 6435' **CIBP:** 5810'
SURFACE CASING: 9 5/8", 32# H-40 ST&C @ 273'
PRODUCTION CASING: 4 1/2", 11.6#, K-55 ST&C @ 6430'
 Marker Joint 4856-4874'

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	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1660' Bird's Nest Top
 2181' Mahogany Top
 3956' Douglas Creek Top
 4276' Carb. Marker Top
 4444' Long Point Top
 4756' Uteland ButteTop
 4879' Wasatch Top
 Mesaverde Top (Not Penetrated)
 *Based on latest geological interpretation

T.O.C. @ 410'

**Based on latest interpretation of CBL

- All perforation depths are from Schlumbergers Induction-Density-Neutron log dated 03/06/2003
- Hydraulic isolation estimated at **416'** based upon from Schlumberger's CBL dated 03/10/2003 .

GENERAL:

- **Please note that:**
 - **DFITs will be pumped in selective intervals. Detailed information regarding timing and intervals tested can be found in the post-job report.**
 - **All stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.**

- **CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.**

Existing Perforations (from Open Wells):

PERFORATIONS					
Formation	Zone	Top	Btm	Date	Reason
Wasatch		5354	5364	03/17/2003	PRODUCTION
Wasatch		5716	5720	03/17/2003	PRODUCTION
Wasatch		5728	5734	03/17/2003	PRODUCTION
Wasatch		5854	5864	03/17/2003	PRODUCTION
Wasatch		6020	6030	03/17/2003	PRODUCTION
Wasatch		6138	6144	03/17/2003	PRODUCTION
Wasatch		6186	6190	03/17/2003	PRODUCTION

Relevant History:

- 02/20/2003: Spud date
- 03/06/2003: Drilled to TD
- 03/17/2003: Originally completed in the Wasatch formation with 128,142 gallons of YF116ST (xlinked gel) frac fluid and 295,500 lbs of 20/40 sand
- 07/03/2003: Set CIBP @ 6100' and dump bailed cement. Estimated TOC is 6090'.
- 10/14/2003: Set CIBP @ 5810'
- 07/26/2012: Most recent Slickline Report:
Travel to location rig up ran jdc set down @ 5489 came out with nothing ran scratcher set down @ 5489 beat down nothing came out blew tubing dead ran jdc set down @ 5489 beat down came out nothing my jdc will not latch on the plunger theres a lot of trash on top of the plunger there was a trace of wax and scale on my jdc well was log off rig down traveled to the shop
- 03/16/2013: Tubing landed @ 5508'

H2S History: No H2S history has been documented in previous years.

Production Date	Gas (avg mcf/day)	Water (avg bb/day)	Oil (avg bb/day)	LGR (bb/Mmcf)	Max H2S Seperator (ppm)
2/28/2013	0.00	0.00	0.00	#NA	
1/31/2013	0.00	0.00	0.00	#NA	
12/31/2012	0.10	0.00	0.00	0.00	
11/30/2012	0.97	0.00	0.00	0.00	
10/31/2012	1.29	0.00	0.00	0.00	
9/30/2012	1.50	0.00	0.00	0.00	
8/31/2012	1.35	0.00	0.00	0.00	
7/31/2012	1.42	0.00	0.00	0.00	
6/30/2012	2.00	0.00	0.00	0.00	
5/31/2012	3.26	0.00	0.00	0.00	
4/30/2012	3.63	0.00	0.00	0.00	
3/31/2012	2.71	0.00	0.00	0.00	
2/29/2012	0.00	0.00	0.00	#NA	
1/31/2012	0.00	0.00	0.00	#NA	
12/31/2011	0.10	0.00	0.00	0.00	
11/30/2011	0.67	0.00	0.00	0.00	

PRE-JOB CONSIDERATIONS:

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- 2 fracturing stage and 3 acid wash stage required for coverage.
- A minimum of **10** tanks (cleaned lined 500 bbl) of fresh water will be required.

Note:

- **Use biocide from Nalco in frac tanks**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for **5** CBP's (**8,000** psi) and **2** CIBP's (**10,000** psi).
- 100- mesh and 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River – Long Point 3 ppg, Douglas Creek: 4ppg

ON SITE CONSIDERATIONS:

- Maximum surface pressure **4000 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 for 15 minutes each and to 4000 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- **Remember to pre-load the casing with scale inhibitor from Nalco.**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

PROCEDURE:

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. **PLUG #1- ISOLATE WASATCH PERFORATIONS (5354' – 6190')**: RIH W/ 4 ½' CIBP. SET @ ~ 5330' (~24' above top perfs). Pressure test casing to **4000 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5280', equivalent to 50' COVERAGE).

4. **PLUG #2- ISOLATE TOP PORTION OF WASATCH:** The second isolation plug consists of: 1 CIBP + 50' of cement on top, leaving 100' between proposed bottom perfs in Uteland Butte and TOC. This 100' rat hole will be used to place the downhole pump to improve its performance. The CBL shows great cement within the 100' rat hole.

RIH W/ 4 1/2" CIBP. SET @ ~5020'. Pressure test casing to **4000 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~4970', equivalent to 50' COVERAGE).

5. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **4000 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.
6. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.

7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
UTELAND BUTTE	4762	4763	3	3
UTELAND BUTTE	4769	4770	3	3
UTELAND BUTTE	4778	4779	3	3
UTELAND BUTTE	4790	4791	3	3
UTELAND BUTTE	4805	4806	3	3
UTELAND BUTTE	4845	4846	3	3
UTELAND BUTTE	4859	4860	3	3
UTELAND BUTTE	4869	4870	3	3

8. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Perform acid wash as outlined in Stage 1 on attached listing. Displace with 3109 gal of FR water (volume to top perfs).

9. Set 8000 psi CBP at~4737'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
LONG POINT	4485	4486	3	3
LONG POINT	4575	4576	3	3
LONG POINT	4627	4628	3	3
LONG POINT	4636	4637	3	3
LONG POINT	4712	4715	3	9

10. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Displace with 2928 gal of FR water (volume to top perfs).

11. Set 8000 psi CBP at~4455'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
------	------	----	-----	------------

CARB MARKER	4378	4379	3	3
CARB MARKER	4406	4408	3	6
CARB MARKER	4417	4421	3	12

12. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Perform acid wash as outlined in Stage 3 on attached listing. Displace with 2858 gal of FR water (volume to top perfs).

13. Set 8000 psi CBP at~4350'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
CARB MARKER	4278	4280	3	6
CARB MARKER	4289	4291	3	6
CARB MARKER	4308	4309	3	3
CARB MARKER	4318	4320	3	6

14. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Perform acid wash as outlined in Stage 4 on attached listing. Displace with 2793 gal of FR water (volume to top perfs).

15. Set 8000 psi CBP at~4248'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
DOUGLAS CREEK	4217	4225	3	24

16. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Displace with 2753 gal of FR water (volume to top perfs).

17. Set 8000 psi CBP at~4167'.

18. ND Frac Valves, NU and Test BOPs.

19. TIH with 3 7/8" bit, pump off sub, SN and tubing.

20. Drill plugs and clean out to **4970'**. Shear off bit and land tubing at **±4485'** unless indicated otherwise by the well's behavior.

21. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

22. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

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**.

Key Contact information

Completion Engineer

Paul Ryza: 936/499-6895, 720/929-6915

Patricia Cuba: 303/601-7259, 720/929-6348

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

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

Completion Supervisor Foreman

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

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Name NBU 396

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	UTELAND BUTTE	4762	4763	3	3	4761	to	4872
	UTELAND BUTTE	4769	4770	3	3			
	UTELAND BUTTE	4778	4779	3	3			
	UTELAND BUTTE	4790	4791	3	3			
	UTELAND BUTTE	4805	4806	3	3			
	UTELAND BUTTE	4845	4846	3	3			
	UTELAND BUTTE	4859	4860	3	3			
	UTELAND BUTTE	4869	4870	3	3			
	# of Perfs/stage				24	CBP DEPTH	4,737	
	Totals				24			Total

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
2	LONG POINT	4485	4486	3	3	4485	to	4715
	LONG POINT	4575	4576	3	3			
	LONG POINT	4627	4628	3	3			
	LONG POINT	4636	4637	3	3			
	LONG POINT	4712	4715	3	9			
	LONG POINT							
	# of Perfs/stage				21	CBP DEPTH	4,455	
	Totals				21			Total

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
3	CARB MARKER	4378	4379	3	3	4378	to	4423
	CARB MARKER	4406	4408	3	6			
	CARB MARKER	4417	4421	3	12			
	CARB MARKER							
	# of Perfs/stage				21	CBP DEPTH	4,350	
4	CARB MARKER	4278	4280	3	6	4277	to	4322
	CARB MARKER	4289	4291	3	6			
	CARB MARKER	4308	4309	3	3			
	CARB MARKER	4318	4320	3	6			
	CARB MARKER							
	# of Perfs/stage				21	CBP DEPTH	4,248	
	Totals				42			Total

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
5	DOUGLAS CREEK	4217	4225	3	24	4215	to	4230
	DOUGLAS CREEK							
	# of Perfs/stage				24	CBP DEPTH	4,167	
	Totals				24			Total

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 BBLS 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 BBLS 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 BBLS 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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
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11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 4/17/2013 <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 type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input checked="" type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator received approval to abandon the existing Wasatch formation and recomplete the subject well in the Green River formation on 04/08/2013. The operator requests authorization to add a compressor and flaring stack to the subject well. This is a federal well with the lease number U-0576. Please see the attached Green River Oil Well Operating Procedure.

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

Date: April 18, 2013

By: *Derek Quist*

NAME (PLEASE PRINT) Luke Urban	PHONE NUMBER 720 929-6501	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 4/17/2013	



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 43047344800000

Approval is conditioned on meeting the requirements of R649-3-20. Up to 1800 mcf/month of gas can be flared without approval. Amounts above that amount will require further Division approval or Board approval as dictated by R649-3-20.

Green River Oil Well Operating Procedure

The Green River oil wells will be produced and treated in the following manner. Oil, water and gas will flow to surface treating facilities where it will be separated. The oil and water will then flow to storage tanks. Gas will flow in to the gathering system; which has a nominal operating pressure of ~120 psig. If gas line pressure increases above the 120 psig range the gas will flow to a compressor and be compressed to line pressure. If the compressor is down due to mechanical problems or line pressure is out of range for the compressor, gas will flow to a flare and be burned on site. If no compressor is installed then gas will be flared when pressure is greater than 120 psig.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
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 396
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047344800000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6511	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0482 FNL 1765 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 33 Township: 09.0S Range: 21.0E Meridian: S		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"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 7/18/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
		<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has abandoned the existing Wasatch formation and recompleted the subject well in the Green River formation. This change has moved the well from the Natural Buttes Unit to the Maverick Unit UTU88574X, approval order No. 197-013 on July 25, 2012. The subject well returned to production on 7/18/2013. The details of the recompletion and initial production rates will be included with the well completion report.</p>		<p>Accepted by the Utah Division of Oil, Gas and Mining</p> <p>FOR RECORD ONLY</p> <p>August 12, 2013</p>
NAME (PLEASE PRINT) Teena Paulo	PHONE NUMBER 720 929-6236	TITLE Staff Regulatory Specialist
SIGNATURE N/A		DATE 8/2/2013

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: U-0576
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 396
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047344800000
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: 0482 FNL 1765 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENW Section: 33 Township: 09.0S Range: 21.0E 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: 8/22/2013 <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 checked="" type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

Requested verbal permission to proceed with the procedure to frac the Douglas Creek zone within the Green River Formation. Received verbal approval from Helen Sadik-Macdonald on Tuesday August 20th, 2013. This step in the procedure is Item #15 of the Sundry Notice which was approved by UDOGM on March 28th, 2013. This is a Federal Well with lease number UTU0576. Please see the attached approved procedure.
 Thank you.

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

Date: August 26, 2013
By: Derek Quist

NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 8/22/2013	



Maverick Unit

NBU 396
RE-COMPLETIONS PROCEDURE
FIELD ID: N/A

DATE: 06/17/2013
AFE#: 2068211
API#: 4304734480
USER ID: WIU473

COMPLETIONS ENGINEER: Patricia Cuba, Denver, CO
(720) 929-6348 (Office)
(303) 601-7259 (Cell)

REMEMBER SAFETY FIRST!

Existing Perforations (from Open Wells):

PERFORATIONS					
Formation	Zone	Top	Btm	Date	Reason
Wasatch		5354	5364	03/17/2003	PRODUCTION
Wasatch		5716	5720	03/17/2003	PRODUCTION
Wasatch		5728	5734	03/17/2003	PRODUCTION
Wasatch		5854	5864	03/17/2003	PRODUCTION
Wasatch		6020	6030	03/17/2003	PRODUCTION
Wasatch		6138	6144	03/17/2003	PRODUCTION
Wasatch		6186	6190	03/17/2003	PRODUCTION

Relevant History:

- 02/20/2003: Spud date
- 03/06/2003: Drilled to TD
- 03/17/2003: Originally completed in the Wasatch formation with 128,142 gallons of YF116ST (xlinked gel) frac fluid and 295,500 lbs of 20/40 sand
- 07/03/2003: Set CIBP @ 6100' and dump bailed cement. Estimated TOC is 6090'.
- 10/14/2003: Set CIBP @ 5810'
- 07/26/2012: Most recent Slickline Report:
Travel to location rig up ran jdc set down @ 5489 came out with nothing ran scratcher set down @ 5489 beat down nothing came out blew tubing dead ran jdc set down @ 5489 beat down came out nothing my jdc will not latch on the plunger theres a lot of trash on top of the plunger there was a trace of wax and scale on my jdc well was log off rig down traveled to the shop
- 03/16/2013: Tubing landed @ 5508'

H2S History: No H2S history has been documented in previous years.

Production Date	Gas (avg mcf/day)	Water (avg bb/day)	Oil (avg bb/day)	LGR (bb/Mmcf)	Max H2S Seperator (ppm)
2/28/2013	0.00	0.00	0.00	#NA	
1/31/2013	0.00	0.00	0.00	#NA	
12/31/2012	0.10	0.00	0.00	0.00	
11/30/2012	0.97	0.00	0.00	0.00	
10/31/2012	1.29	0.00	0.00	0.00	
9/30/2012	1.50	0.00	0.00	0.00	
8/31/2012	1.35	0.00	0.00	0.00	
7/31/2012	1.42	0.00	0.00	0.00	
6/30/2012	2.00	0.00	0.00	0.00	
5/31/2012	3.26	0.00	0.00	0.00	
4/30/2012	3.63	0.00	0.00	0.00	
3/31/2012	2.71	0.00	0.00	0.00	
2/29/2012	0.00	0.00	0.00	#NA	
1/31/2012	0.00	0.00	0.00	#NA	
12/31/2011	0.10	0.00	0.00	0.00	
11/30/2011	0.67	0.00	0.00	0.00	

PRE-JOB CONSIDERATIONS:

- **Plug calculations are based on Class G cement with 0% Bentonite. Adjust the cement slurry volumes if a different cement type will be used.**
- 2 fracturing stage and 3 acid stages required for coverage.
- A minimum of **10** tanks (cleaned lined 500 bbl) of fresh water will be required.

Note:

- **Use biocide from Nalco in frac tanks**
- **Use only fresh water in order to assure crosslinked fluid performance**
- **Water needs to be at least 65-75°F at pump time**
- Procedure calls for **5** CBP's (**8,000** psi) and **2** CIBP's (**10,000** psi).
- 20/40 mesh Ottawa sand.
- Max Sand Concentration: Green River – Long Point 3 ppg, Douglas Creek: 4ppg

ON SITE CONSIDERATIONS:

- Maximum surface pressure **4000 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 for 15 minutes each and to 4000 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Flush volumes are the sum of FR water used during displacement (include scale inhibitor as mentioned above).
- Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush.
- pH should be measured during the treatment in order to make sure acid has been flushed from the treating lines and will not affect the cross-linked gel.
- Multiple test samples will be pulled on the fly to check crosslinked gel.
- Bucket tests should be performed prior to pumping to assure the chemical pumps working and pumping at the desired rate.

PROCEDURE:

1. MIRU. Kill well as needed. ND WH, NU and test BOPE.
2. POOH w/tubing. Visually inspect for scale and consider replacing tubing if needed.
3. **PLUG #1- ISOLATE WASATCH PERFORATIONS (5354' – 6190')**: RIH W/ 4 ½" CIBP. SET @ ~ 5330' (~24' above top perfs). Pressure test casing to **4000 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~5280', equivalent to 50' COVERAGE).

4. **PLUG #2- ISOLATE TOP PORTION OF WASATCH:** The second isolation plug consists of: 1 CIBP + 50' of cement on top, leaving 100' between proposed bottom perfs in Uteland Butte and TOC. This 100' rat hole will be used to place the downhole pump to improve its performance. The CBL shows great cement within the 100' rat hole.

RIH W/ 4 1/2" CIBP. SET @ ~5020'. Pressure test casing to **4000 psi**. Inform engineering if it doesn't test. Dump bail **7 SX/ 0.8 BBL/ 4.4 CUFT** of cement on top of plug. PUH above TOC (~4970', equivalent to 50' COVERAGE).

5. ND BOPs and NU frac valves. Test frac valves and casing to 1000 psi for 15 minutes and to **4000 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.
6. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.

7. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
UTELAND BUTTE	4762	4763	3	3
UTELAND BUTTE	4769	4770	3	3
UTELAND BUTTE	4778	4779	3	3
UTELAND BUTTE	4790	4791	3	3
UTELAND BUTTE	4805	4806	3	3
UTELAND BUTTE	4845	4846	3	3
UTELAND BUTTE	4859	4860	3	3
UTELAND BUTTE	4869	4870	3	3

8. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Perform acid wash as outlined in Stage 1 on attached listing. Displace with 3109 gal of FR water (volume to top perfs).

9. RIH w/wireline and set 8000 psi CBP at~4737'.

10. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
LONG POINT	4485	4486	3	3
LONG POINT	4575	4576	3	3
LONG POINT	4627	4628	3	3
LONG POINT	4636	4637	3	3
LONG POINT	4712	4715	3	9

11. Breakdown perfs and establish injection rate. Dump bail 250 gals of 15% HCl if needed. Fracture as outlined in Stage 2 on attached listing. Displace with FR water to 4485' (volume to top perfs). If discrete test will be performed, flow the well back through the production casing until dead, or, set CBP @ 4465'. **Then continue on Step 19.**

12. Set 8000 psi CBP at~4465' Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
CARB MARKER	4418	4420	6	12
CARB MARKER	4426	4428	6	12
CARB MARKER	4440	4442	6	12

13. Dump bail 250 gals of 15% HCl. Breakdown perfs and establish injection rate. Perform acid treatment as outlined in Stage 3 on attached listing. Displace with FR water to 4442' (volume to bottom perfs), and trickle 250 gallons of 15% HCl in the flush.

14. Set 8000 psi CBP at~4383'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
CARB MARKER	4278	4280	6	12
CARB MARKER	4308	4310	6	12
CARB MARKER	4312	4313	6	6
CARB MARKER	4318	4320	6	12
CARB MARKER	4352	4353	6	6

15. Breakdown perfs and establish injection rate. Perform acid treatment as outlined in Stage 4 on attached listing. Displace with FR water to 4353' (volume to bottom perfs).

16. Set 8000 psi CBP at~4248'. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
DOUGLAS CREEK	4217	4225	3	24

17. Spear head 250 gals of 15% HCl at 5 bpm pumping rate. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Displace with FR water to 4217 (volume to top perfs).

18. Set 8000 psi CBP at~4167'.

19. ND Frac Valves, NU and Test BOPs.

20. TIH with 3 7/8" bit, pump off sub, SN and tubing.

21. Drill plugs and clean out to **4970'**. Shear off bit and land tubing at **±4485'** unless indicated otherwise by the well's behavior.

22. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

23. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

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**.

Key Contact information

Completion Engineer

Paul Ryza: 936/499-6895, 720/929-6915

Patricia Cuba: 303/601-7259, 720/929-6348

Production Engineer

Jesse Markeveys: 215/380-0781, 435/781-7055

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

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 396
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	UTELAND BUTTE	4762	4763	3	3	4761	to	4872
	UTELAND BUTTE	4769	4770	3	3			
	UTELAND BUTTE	4778	4779	3	3			
	UTELAND BUTTE	4790	4791	3	3			
	UTELAND BUTTE	4805	4806	3	3			
	UTELAND BUTTE	4845	4846	3	3			
	UTELAND BUTTE	4859	4860	3	3			
	UTELAND BUTTE	4869	4870	3	3			
	# of Perfs/stage				24	CBP DEPTH	4,737	
	Totals				24			Total

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
2	LONG POINT	4485	4486	3	3	4485	to	4715
	LONG POINT	4575	4576	3	3			
	LONG POINT	4627	4628	3	3			
	LONG POINT	4636	4637	3	3			
	LONG POINT	4712	4715	3	9			
	LONG POINT							
		# of Perfs/stage				21	CBP DEPTH	4,465
	Totals				21			Total

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
3	CARB MARKER	4418	4420	6	12	4414	to	4444
	CARB MARKER	4426	4428	6	12			
	CARB MARKER	4440	4442	6	12			
	CARB MARKER							
		# of Perfs/stage				36	CBP DEPTH	4,383
4	CARB MARKER	4278	4280	6	12	4276	to	4354
	CARB MARKER	4308	4310	6	12			
	CARB MARKER	4312	4313	6	6			
	CARB MARKER	4318	4320	6	12			
	CARB MARKER	4352	4353	6	6			
		# of Perfs/stage				48	CBP DEPTH	4,248
	Totals				84			Total

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
5	DOUGLAS CREEK	4217	4225	3	24	4215	to	4230
	DOUGLAS CREEK							
	# of Perfs/stage				24	CBP DEPTH	4,167	
	Totals				24			Total

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

FORM 3160-4
(March 2012)

CONFIDENTIAL WELL

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

5. Lease Serial No. **UTU0576**

6. If Indian, Allottee or Tribe Name

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion: New Well Workover Deepen Plug Back Diff. Resvr.,

Other **RECOMPLETION IN GREEN RIVER** **CONFIDENTIAL**

7. Unit or CA Agreement Name and No. **UTU88574X**

8. Lease Name and Well No. **NBU 396**

2. Name of Operator **KERR-MCGEE OIL AND GAS ONSHORE LP** Contact: **Teena Paulo**
Email: **Teena.Paulo@anadarko.com**

3. Address **P.O. Box 173779
Denver CO 82017** 3a. Phone No. (include area code) **720-929-6000**

9. API Well No. **43-047-34480**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface **NENW 482 FNL 1765 FWL** Lat. **39.9984457** Long. **-109.5598162**

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

11. Sec., T., R., M., on Block and Survey or Area
Sec **33** T **9S** R **21E** Mer **SLB**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **2/20/2003** 15. Date T.D. Reached **3/6/2003** 16. Date Completed D&A Ready to Prod **7/18/2013**

17. Elevations (DF, RKB, RT, GL)*
4,955 **RKB**

18. Total Depth: MD **6,435** 19. Plug back T.D.: MD **4,737** 20. Depth Bridge Plug Set: MD **5310 & 5020 & 4737**
TVD **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DSL,CNL,CCL,GR - CN,TLD,GR - PE,AL/GR

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.3	15	273		111		0	
7.875	4.5 K-55	11.6	15	6,430		1,190		410	

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	4,694							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
LONG POINT	4,485	4,715	4,485 TO 4,715	0.360	21	Open
UTELAND BUTTE	4,762	4,875	4,762 TO 4,875	0.360	24	Open
C)						
D)						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
LONG POINT	4,485	4,715	4,485 TO 4,715	0.360	21	Open
UTELAND BUTTE	4,762	4,875	4,762 TO 4,875	0.360	24	Open

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

Depth Interval	Amount and Type of Material
4485-4715	7/2/13 PUMP 2,121 BBLs SLICK H2O & 94,880 LBS 20/40 SAND
4762-4875	5/16/13 PUMP 274 BBLs ACID TREATMENT - NO SAND (FIRST JOB)
4762-4875	6/6/13 PUMP 833 BBLs ACID TREATMENT - NO SAND (2ND JOB)

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
7/18/2013	7/30/2013	24	→	15	0	0			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	0	0	→	15	0	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)

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 (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	Descriptions, Contents, Etc.	Name	Top
					Meas. Depth
				BIRD'S NEST	1660
				MAHOGANY	2181
				DOUGLAS CREEK	3956
				CARB MARKER	4276
				LONG POINT	4444
				UTELAND BUTTE	4756
				WASATCH	4879

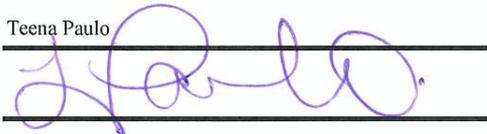
32. Additional remarks (include plugging procedure):

Attached is the recompletion history and perforation report. Casing in the well is as previously reported on the original Completion Report. The well was originally completed in the Wasatch from 5354-6190. A CIBP was set at 5310 with dump bail 4 sx cement on top (toc @ 5257) and another CIBP set at 5020 with dump bail 4 sx cement on top (toc @ 4967) to completely isolate the Wasatch formation. A composite bridge plug is set at 4734 to isolate the Uteland Butte from the Long Point formation. This bridge plug may be drilled out sometime in the future. A NOI will be filed if the operator intends to remove the composite plug. The well is now completed in Green River as an oil well.

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) Teena Paulo

 Signature

Title Staff Regulatory Specialist
 Date 8/23/2013

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 396				Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MILES 2/2		
Event: ABANDONMENT			Start Date: 4/17/2013			End Date: 4/24/2013		
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
4/17/2013	7:00 - 7:15	0.25	ABANDT	48		P		HSM, SLIPS, TRIPS & FALLS, RIG MOVE, SCAN TBG CHAINUP EQUIP & ROAD RIG FROM NBU 920-13C4BS, MIRU, SPOT EQUIP, CONTROL WELL W/ TMAC, ND WH (BOLTS VERY RUSTY), NU BOP, P/T BOP TO 3,000 PSI GOOD TEST, RU FLOOR & TBG EQUIP, UNLAND TBG REMOVE HANGER, INSTAL WASH RUBBER, MIRU SCAN TECH, POOH SCANNING TBG, SCANNED 171 JTS 2 3/8" J-55 TBG, 168 YELLOW, 1 BLUE, 2 RED (1 CRIMPED & 1 BENT), LITE EXTERNAL SCALE JTS 44 TO 168, MED EXTERNAL SCALE JTS 169 TO 171, NO INTERNAL SCALE, RDMO SCAN TECH, L/D 7 JTS, SWI, LOWER FLOOR & TONGS, CLEAN TONGS & SLIPS, DRAIN & WINTERIZE EQUIP, SDFN.
	7:15 - 17:00	9.75	ABANDT	31	I	P		
4/18/2013	7:00 - 7:15	0.25	ABANDT	48		P		HSM, SLIPS, TRIPS & FALLS, TRIPPING TBG, P/T CSG
	7:15 - 12:30	5.25	ABANDT	31	I	P		PU 4 1/2" RETRIEVABLE B/P & RIH & SET @ 5,300', DISPLACE HOLE W/ 75 BBLs TMAC, P/T CSG TO 3,500 PSI W/ RIG PUMP HELD GOOD, BLEED OFF PRESS, RELEASE B/P & POOH L/D TBG & B/P.
	12:30 - 14:30	2.00	ABANDT	34	I	P		MIRU CUTTERS, PU 4 1/2" 10K CIBP RIH & SET @ 5,310' (CSG COLLAR @ 5,279') POOH, PU BAILER & MIX 2 SX CMT RIH & BAIL 2 SX ON TOP OF CIBP, POOH, RDMO CUTTERS.
	14:30 - 18:30	4.00	ABANDT	52	A	P		RD FLOOR & TBG EQUIP, ND BOP, WENT TO NU FRAC SLEEVE INSIDE 5K WH BUT WH WAS NOT A FRAC THRU HEAD SO COULD NOT USE FRAC SLEEVE, NU 7" 5K X 4" 10K SPOOL & 10K F/V MIRU CAMERON TESTERS, FILL CSG & P/T 4 1/2" CSG & F/V TO 5,000 PSI FOR 15 MIN, START 5,085 PSI, FINISH 5,053 PSI, LOST 32 PSI, RDMO CAMERON.
4/24/2013	-		ABANDT	34	I	P		RD & UNCHAIN RIG & ROAD RIG TO NBU 25-20B BAIL 2 MORE SX CMT ON 4 1/2" 10K CIBP SET @ 5,310' TOC @ 5,257', RIH SET 2ND 4 1/2" 10K CIBP @ 5,020' & BAIL 4SX CMT TOC @ 4,967', RDMO
4/25/2013	7:00 -							REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013		End Date: 7/18/2013				
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
5/7/2013	8:00 - 16:00	8.00		33	C	P		FILL SURFACE CSG. MIRU CAMERON QUICK TEST. PRESSURE TEST CSG & FRAC VALVES 1ST PSI TEST T/ 5080 PSI. HELD FOR 15 MIN LOST 32 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. PRESSURE TEST 9 5/8 X 4 1/2 TO 500 PSI HELD FOR 5 MIN LOST -30 PSI,BLED PSI OFF, REINSTALLED POP OFF RU CUTTERS WL RIH 3 1/8 GUN, 23 GM, 0,36"HOLE PERFED 4805-4806 3 SPF POOH. PICKED UP 3 MEMORY GUAGES RIH SET TOOL @ 4806 RU NABORS PRESSURED TO 4800 PSI NO BLEED OFF, POOH WITH GUAGES, DUMPED BAILED 7 GAL ACID ON PERFS 4805-06, POOH RIH WITH 3 MEMORY GUAGES SET TOOL @ 4806 RU NABORS BROKE DOWN PERFS @ 2880 PSI PUMPED 2000 GAL TMAC 48 BLS, @ 6BPM 3260 PSI, ISIP 1920, 5MIN 1620 SWI WILL MONITOR FOR 3-4 DAYS	
5/13/2013	11:00 - 15:00	4.00	SUBSPR	34	H	P		JSA-SAFETY MEETING W/ CUTTER WIRELINE AND DELSCO PRESSURE GAUGE TECH, 200# ON WELL, CUTTER WIRELINE P/O HOLE W/ PRESSURE GAUGE W/ STOPING EVER 500' FOR 5 MIN, LAY DN GAUGES, RIH W/ PERF GUNS, PERF UTELAND ZONE AS PER SAY IN PROCEDURE, SHUT WELL IN, R/D WIRELINE	
5/14/2013	13:00 - 15:30	2.50	FRAC	30	A	P		MIRU, ND FRAC VALVE, NU BOP'S, RU FLOOR & TBG EQUIP, SPOT IN TBG TRAILER	
	15:30 - 17:00	1.50	FRAC	31	I	P		P/U & TIH W/ 55 JTS 2-3/8" TBG, SDFN	
5/15/2013	6:45 - 7:00	0.25	FRAC	48		P		HSM, JSA	
	7:00 - 8:30	1.50	FRAC	31	I	P		TIH W/ 2-3/8" TBG, LAND TBG ON HANGER W/ 151 JTS 2-3/8" J-55 TBG, EOT @ 4,722'	
	8:30 - 10:00	1.50	FRAC	30	C	P		ND BOP'S NU WH, RDMO KB 15' HANGER 1' 151 JTS J-55 TBG 4,706' EOT @ 4,722'	
5/16/2013	6:30 - 7:00	0.50	FRAC	48		P		JSA-SAFETY MEETING W/ NABORS PUMPING SERVICE	
	7:00 - 8:20	1.33	FRAC	36	A	P		MIRU NABORS PUMPING SERVICE, PRESSURE TEST SURFACE LINE TO 5000#, LOST 400# IN 15 MIN, OK,	

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	8:20 - 12:00	3.67	FRAC	36	A	P		(FRAC STG #1) WHP = 200 #, BRK DN PERFS = 3153#, @ 4.1 BPM, ISIP = 1760 #, FG = 0.80 , FINAL ISIP = 1792#, FINAL FG = 0.81 ,NET PRESSURE INCREASE = 32 #, MAX PSI = 4779 #, MAX RATE = 7 BPM, AVERAGE PSI = 4349#, AVERAGE RATE = 6.4 BPM, , DROP 4 BIOBALL EVER 40 BBLS OF ACID, PUMP 243 BBLS ACID AND 50 BBLS WTR. SHUT WELL IN, R/D NABORS PUMPING SERVICE, R/U FLOW LINE TO FLOW BACK TK, TURN WELL OVER TO FLOW BACK CREW W/ 1450 # ON TBG, OPEN WELL TO TK, FLOW W/ 100#	
5/20/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.	
	7:15 - 11:30	4.25	DRLOUT	30		P		ROAD RIG TO LOCATION. MIRU. HAD TO SHUFFLE EQUIP AROUND ON LOCATION TO FIT THE RIG & RIG EQUIP. WELDERS / PIPE FITTERS WERE IN THE WAY.	
	11:30 - 17:00	5.50	DRLOUT	30		P		SICP= 400#. SITP= 700#. BLOW DOWN WELL. NDWH. NUBOP. R/U FLOOR & TBG EQUIP. UN-LAND WELL. POOH W/ 151JTS 2-3/8" J-55 TBNG.	
								NOTE: LIGHT TRACE OF OIL ON BTTM 30JTS OF TBNG.	
								MAKING MILL RUN THRU PERFS TO MAKE SURE THEY ARE NOT PLUGGED W/ FRAC BALLS. P/U & RIH W/ 3-7/8" MILL + POBS NO FLOATS + XN + 160JTS 2-3/8" J-55 TBNG. T/U @ 4985' PBD. DID NOT SEE ANYTHING THRU PERFS. L/D 9 JTS TBNG. SWFN. PREP TO SWAB ON WELL IN THE AM.	
5/21/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.	

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 396			Spud Date:					
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733		
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013		
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 15:30	8.25	DRLOUT	42	B	P		<p>SICP= 25#. SITP= 25#. BLOW DOWN TBNG. RIH AND SWAB ON WELL AS FOLLOWS:</p> <p>STARTING FL @ 3000'. SN @4700'. SWAB FROM 4600'.</p> <p>MAKE 6 SWAB RUNS & RECOVER 11BBLS FLUID. NO CHANGE IN SICP. FL DROPPED TO 4000' AND SWABBED DRY. FLUID SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT.</p> <p>LET WELL SET FOR 30 MIN. RIH & MAKE 2 SWAB RUNS. TAG FLUID @3800' AND THEN 4000'. SWABBED DRY. RECOVER 1.5BBLS FLUID. NO CHANGE IN SICP. SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT. INFLOW ESTIMATED @ 1.5 - 2.0 BBLS/HR.</p> <p>MAKE TOTAL OF 6 MORE SWAB RUNS & RECOVER 1.5 BBLS FLUID. NO CHANGE IN SICP. FL STATIC @ 4100'. FLUID SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT. INFLOW ESTIMATED @ .25BBLS / HR.</p> <p>SWMFN. WAIT ON ORDERS.</p>
5/22/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY= JSA.
	7:15 - 8:00	0.75	DRLOUT	42	B	P		SICP= 50#. SITP= 50#. BLOW DOWN TBNG. MAKE 2 SWAB RUNS. REC .5 BBLS FLUID. FL @ 3900' AND THEN 4100'. SECOND SWAB RUN WAS DRY. SWI. WAIT ON ORDERS.
	8:00 - 11:00	3.00	DRLOUT	46	A			ENGINEERING DECIDED TO RE-PERF EXISTING PERFS AND ADD SOME PERFS. POOH W/ 151JTS 2-3/8" J-55 TBNG. ND WASHINGTON HEAD & PREP FOR PERFORATING OPS.
	11:00 - 12:30	1.50	DRLOUT	31	I	P		WAIT ON WIRELINE TO PREP GUNS AND TRAVEL TO LOCATION.
	12:30 - 15:30	3.00	DRLOUT	46	F	S		MIRU WIRELINE. RIH W/ 3-1/8" PERF GUNS, 3SPF AND PERF UTELAND BUTTE ZONES AS PER SAY IN NEW PROCEDURE. POOH W/ WIRELINE. RDMO WIRELINE.
	15:30 - 16:30	1.00	SUBSPR	34	H	P		INSTALL WASHINGTON HEAD. R/U TBNG EQUIP. PREP TO RIH W/ TBG.
	16:30 - 18:00	1.50	SUBSPR	31	I	P		SAFETY = JSA.
5/23/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SICP= 50#. BLOW DOWN WELL. NDBOP. NU FRAC VALVE. HOOK UP FLOWBACK LINES. SHUFFLE EQUIP OFF LOCATION. PREP FOR ACID JOB. SWIFN
	7:15 - 12:00	4.75	SUBSPR	30		P		SAFETY = JSA.
5/24/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SICP= 0#. ACID FRAC CANCELED. ND FRAC VALVE. NUBOP. R/U FLOOR & TBNG EQUIP. RIH W/ 151JTS 2-3/8" J-55 TBNG. SPOT IN L/D TRAILER. POOH WHILE L/D ALL TBNG. 151 JTS 2-3/8" J-55 Y-BND TBNG SENT BACK TO SAMUELS YARD. NDBOP. NU FRAC VALVE. SWI. RDMOL.
	7:15 - 13:30	6.25	SUBSPR	30		P		

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
6/6/2013	7:00 - 7:15	0.25	FRAC	48		P		HSM ACID SAFETY PRESSURE TEST PUMP & LINES TO 4000 LOST 200 PSI 15 MIN OPENED WELL 225 PSI BROKE DOWN PERFS @ 1867 PUMPED 10 BBLS 7BPM 2200 PSI, PERFORMED STEP DOWN TEST, 22.2 BPM 2503 PSI, 15 BPM 2202 PSI 7.6 BPM 2002 PSI ISIP 1806 START ACID PUMPED 5 BBLS DROPPED 20 FRAC BALLS PUMPED 69 BBLS ACID TREATER FLUSHED WELL WITH FRESH WATER AND WASN'T AS PER PLAN. PUMPED 615 BBL 15% ACID DROPPED ATOTAL OF 32 MORE FRAC BALL DIDNT SEE MUCH BALL ACTION, FLUSHED WITH 75 BBLS FRESH WATER 1SIP 1983 PSI, NET PRESSURE 277 FG .85 SWI RD FRAC CREW, WAITH 2 HRS OPENED WELL WITH FLOW BACK CREW	
	7:15 - 7:15	0.00	FRAC						
6/7/2013	10:00 - 12:00	2.00	DRLOUT	30	G	P		RDMO HATCH 923-14E. ROAD RIG TO LOCATION. RIG HAVING TROUBLES OVERHEATING. 0# ON WELL. MIRU. NDFV. NUBOP. R/U FLOOR. X/O TO TBNG EQUIP. P/U & RIH W/ 3-7/8" MILL + PUMP OPEN SUB + XN + 160JTS 2-3/8" J-55 TBNG. T/U @4985'. L/D 9JTS. LAND WELL AS FOLLOWS: KB= 15.00' HANGER=.83' 151JTS 2-3/8" J-55 Y-BND TBNG = 4692.66' XN / PUMP OPEN BIT SUB = 2.20' MILL= .60' EOT @4711.29' LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH. R/U PUMP LINES. DROP BALL DOWN TBNG & PUMP OPEN BIT SUB @ 1100# W/ 20 BBLS TMAC. SWIFN. NOTE: LIGHT FLOW FROM THE WELL. NO TRACE OF OIL. VERY LITTLE GAS.	
	12:00 - 19:00	7.00	DRLOUT	30		P			
6/8/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY= JSA.	

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	7:15 - 15:00	7.75	DRLOUT	42	B	P		SICP= 400#. SITP= 500#. OPEN TBG TO FLOWBACK TANK. WELL FLOWED 5BBLs FLUID AND THEN DIED. NO OIL, LITTLE GAS. R/U SWAB EQUIP. R/U FLOW LINES. PULL 29 SWAB RUNS. STARTING FLUID LEVEL @ SURFACE. FLUID SWABBED DOWN TO 4200' BY 1300 HRS. WELL BEGAN TO SWAB DRY. LAST 2RUNS OF THE DAY MADE < 2BBLs OF FLUID. SWFN. FLUID RECOVERED = 115BBLs (ONLY SPECS OF OIL PRESENT). FLUID INFLOW ESTIMATED @ 1.5BBLs/HR TO 2.0 BBLs/HR. START CSNG PRESSURE @400# AND FELL TO 50#. CSNG THEN BEGAN CLIMBING. END SICP= 250# NOTE: FLUID PH = 6 SAFETY = JSA.	
6/10/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SICP= 800#. TP= 0#. PULL 5 SWAB RUNS. FL START @1500'. LAST SWAB RUN FL @ 4000'. WELL KICKED OFF FOR 45MIN AND DIED. SICP FELL TO 100#. NO OIL. REC 22BBLs FLUID. SWI. RDMO. SAFETY = JSA.	
	7:15 - 9:30	2.25	DRLOUT	42		P		SICP= 900#. SITP= 350#. MIRU. BLOW DOWN WELL. NDWH. NUBOP. R/U FLOOR. X/O TO TBNG EQUIP. UN-LAND WELL. POOH WHILE L/D 151JTS 2-3/8" J-55 TBNG. NDBOP. NUFV.	
6/28/2013	7:00 - 7:15	0.25	SUBSPR	48		P		MIRU WIRELINE. RIH & SET 10K CIBP @4737'. LOAD CASING W/ 25BBLs TMAC & PRESSURE TEST GOOD @3800#. LOST 10# IN 30MIN. BLEED OFF PRESSURE. RIH W/ 3-3/8" GUNS, 23GM .36 SHOT & PERF LONG POINT AS PER DESIGN IN PROCEDURE. RDMO WIRELINE. SWI. RDMOL.	
	7:15 - 12:00	4.75	SUBSPR	30		P		NOTE: TBNG STORED ON ADJACENT LOCATION. TBNG HANGER RE-DRESSED & SET BY WELL HEAD. REBUILD PRODUCTION FACILITIES TO RETURN WELL TO PRODUCTION	
	12:00 - 15:30	3.50	SUBSPR	34		P		HELD SAFETY MEETING CROSS LINK & HEAT TEST PUMP & LINES 5000 PSI FOR 15 MIN GAIN 50 PSI	
6/29/2013	7:00 -								
7/2/2013	6:45 - 7:00	0.25	FRAC	48	G	P			

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	7:00 - 10:00	3.00	FRAC	36	G	P		RU FRAC CREW: FRAC STG1)WHP 69 PSI, BRK 2199 PSI @ 2.3 BPM. ISIP 1870 PSI, FG .85. CALC HOLES OPEN @ 36 BPM @ 3183 PSI = 95% HOLES OPEN. (20/21 HOLES OPEN) ISIP 1550 PSI, FG .78, NPI 320 PSI. MP 3357 PSI, MR 49.0 BPM, AP 2924 PSI, AR 41.6 BPM PUMPED 20/40 WHITE SAND IN THIS STAGE SWI RU FRAC CREW TOTAL SAND= 94,800 # TOTAL CLFL= 2,121 BBLS	
7/8/2013	7:00 - 7:15	0.25	RUNTBG	48		P		THIS WAS A CROSS LINK SAND FRAC HSM, SLIPS, TRIPS & FALLS, PU TBG	
	7:15 - 17:00	9.75	RUNTBG	33	D	P		MIRU, ND F/V, NU BOP, RU FLOOR & TBG EQUIP, SPOT TBG TRAILER, PU 3 7/8" BIT, PUMP OPEN SUB, 1.85" XN S/N, TALLY & PU TBG, PBTD @ 4,737' ((ISOLATION PLUG)), BTM PERF @ 4,715', RIH TAGGED @ 4,730', 15' PAST BTM PERF W/ 151 JTS 2 3/8" J-55 TBG, LD 1 JT, PU TBG HANGER & LAND TBG W/ 150 JTS 2 3/8", EOT 4,684.65'. RD P/S, FLOOR & TBG EQUIP, ND BOPS, NU WH, DROP BALL & PUMP OPEN BIT SUB, RD & ROAD RIG TO NBU 1022-3FT. TURN OVER TO SWAB CREW. KB= 15' 7 1/16" CAMERON HANGER= .83' TBG DELIVERED 151 JTS J-55 150 JTS 2 3/8" J-55= 4,664.85' TBG USED 150 JTS J-55 PUMP OPEN SUB & BIT= 3.97' TBG RETURNED 1 JTS J-55 EOT @ 4,684.65'	
7/17/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.	
	7:15 - 9:00	1.75	DRLOUT	30		P		RDMO NBU 307 - 6E. ROAD RIG TO LOCATION.	

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	9:00 - 17:00	8.00	DRLOUT	30		P		SICP= 1000#. SITP= 1000#. MIRU. BLOW DOWN WELL. NDWH. NUBOP. X/O TO TBNG EQUIP. R/U FLOOR. UN-LAND WELL. P/U & RIH W/ 2JTS 2-3/8" J-55 TBNG. T/U @ 4737' PBTD. L/D 2JTS USED TO T/U. MIRU HOT OILER. FLLUSH TBNG W/ 20BBLs HOT TMAC-SOLVENT MIXTURE. POOH W/ 150JTS 2-3/8" J-55 TBNG + POBS + BIT. L/D BIT & POBS. RIH W/ PRODUCTION TBNG AS FOLLOWS: KB = 15.00' HANGER = .83' 149JTS 2-3/8" J-55 Y-BND TBNG = 4640.72' PSN = 1.10' PERF SUB 2-3/8" J-55 = 4.06' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' H-F 2-3/8" PURGE VALVE = .63' EOT @ 4694.04' PSN @ 4656.55' LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH W/ B-1 ADAPTER. SWIFN. SAFETY = JSA.	
7/18/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SICP= 0#. SITP= 0#. MIRU HOT OILER. FLUSH TBNG W/ 25BBLs HOT TMAC-SOLVENT SOLUTION. P/U INSERT PUMP. PRIME / STROKE TEST PUMP GOOD. RIH W/ INSERT PUMP & ROD STRING AS FOLLOWS: 1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 58) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). ALL CPLNGS REPLACED. 6) 1-1/4" GRADE D WEIGHT BARS (NEW) 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL. =.63' 2 X 1-1/4" X 16' X 19' X 19' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3631. ALT BALLS & SEATS. SPACE OUT PUMP. SEAT PUMP. LOAD TBNG W/ 1BBLs TMAC. STROKE / PRESSURE TEST PUMP GOOD @ 1000#. R/U HYDRAULIC UNIT. SWI. RDMQL. NOTE: X/O SEVERAL ROD BOXES & CHASE ALL THREADS & PINS W/ CHASER WHILE RIH W/ ROD STRING.	
	7:15 - 15:00	7.75	DRLOUT	30		P		WELL TURNED TO SALES @ 1130 HR ON 7/22/2013. 0MCFD, 1152 BWPDP, FCP 0#, FTP 0#, 0 CK.	
	15:00 - 15:00	0.00	DRLOUT	50				SAFETY = JSA.	
8/20/2013	7:00 - 7:15	0.25	SUBSPR	48		P		ROAD RIG TO LOCATION.	
	7:15 - 8:30	1.25	SUBSPR	30		P			

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	8:30 - 11:30	3.00	SUBSPR	39		P		CP= 100#. TP= 100#. MIRU. R/D HYDRAULIC UNIT. UN-SEAT PUMP. MIRU HOT OILER & FLUSH RODS W/ 30 BBLs HOT TMAC. RDMO HOT OILER. POOH W/ ROD STRING AS FOLLOWS: 1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 58) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). ALL CPLNGS REPLACED. 6) 1-1/4" GRADE D WEIGHT BARS (NEW) 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL. =.63' 2 X 1-1/4" X 16' X 19' X 19' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3631. ALT BALLS & SEATS. X/O TO TBNG EQUIP. NDWH. NUBOP. UN-LAND WELL. POOH W/ TBG AS FOLLOWS: 149JTS 2-3/8" J-55 Y-BND TBNG = 4640.72' PSN = 1.10' PERF SUB 2-3/8" J-55 = 4.06' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' H-F 2-3/8" PURGE VALVE = .63' R/D FLOOR. NDBOP. NUFV. MIRU WIRELINE. RIH W/ HAL 8K CBP. SET CBP @ 4418'. POOH W/ TOOLS. R/U PUMP LINES & PRESSURE TEST FRAC VALVES GOOD @ 3800 PSI FOR 30MIN. LOST 25 PSI. NO VISIBLE LEAKS ON VALVES OR WELLHEAD. RIH W/ PERF 3-3/8" PERF GUN,23GM, .36 HOLE, 3SPF. PERF DOUGLAS CREEK AS PER PROCEDURE. POOH W/ TOOLS. RDMO WIRELINE	
	11:30 - 15:00	3.50	SUBSPR	31		P		NDWH. NUBOP. UN-LAND WELL. POOH W/ TBG AS FOLLOWS: 149JTS 2-3/8" J-55 Y-BND TBNG = 4640.72' PSN = 1.10' PERF SUB 2-3/8" J-55 = 4.06' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' H-F 2-3/8" PURGE VALVE = .63' R/D FLOOR. NDBOP. NUFV. MIRU WIRELINE. RIH W/ HAL 8K CBP. SET CBP @ 4418'. POOH W/ TOOLS. R/U PUMP LINES & PRESSURE TEST FRAC VALVES GOOD @ 3800 PSI FOR 30MIN. LOST 25 PSI. NO VISIBLE LEAKS ON VALVES OR WELLHEAD. RIH W/ PERF 3-3/8" PERF GUN,23GM, .36 HOLE, 3SPF. PERF DOUGLAS CREEK AS PER PROCEDURE. POOH W/ TOOLS. RDMO WIRELINE	
	15:00 - 17:30	2.50	SUBSPR	34		P		R/D FLOOR. NDBOP. NUFV. MIRU WIRELINE. RIH W/ HAL 8K CBP. SET CBP @ 4418'. POOH W/ TOOLS. R/U PUMP LINES & PRESSURE TEST FRAC VALVES GOOD @ 3800 PSI FOR 30MIN. LOST 25 PSI. NO VISIBLE LEAKS ON VALVES OR WELLHEAD. RIH W/ PERF 3-3/8" PERF GUN,23GM, .36 HOLE, 3SPF. PERF DOUGLAS CREEK AS PER PROCEDURE. POOH W/ TOOLS. RDMO WIRELINE	

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 396	Wellbore No.	OH
Well Name	NBU 396	Wellbore Name	NBU 396
Report No.	1	Report Date	5/16/2013
Project	UTAH-UINTAH	Site	NBU 396
Rig Name/No.	MONUMENT 24/24	Event	RECOMPL/RESEREVEADD
Start Date	5/16/2013	End Date	7/18/2013
Spud Date		Active Datum	RKB @4,954.99usft (above Mean Sea Level)
UWI	NE/0°0'9"S/21°E/33°0'0"6"/PM/N/482.00°W/0'1,765.00°0'0		

1.3 General

Contractor		Job Method		Supervisor	
Perforated Assembly	PRODUCTION CASING	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	4,762.0 (usft)-4,875.0 (usft)	Start Date/Time	5/16/2013 12:00AM
No. of Intervals	16	End Date/Time	5/23/2013 12:00AM
Total Shots	66	Net Perforation Interval	22.00 (usft)
Avg Shot Density	3.00 (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
5/16/2013 12:00AM	GREEN RIVER/			4,762.0	4,763.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

US ROCKIES REGION

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
5/23/2013 12:00AM	GREEN RIVER/			4,762.0	4,763.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,769.0	4,770.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,778.0	4,779.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,778.0	4,779.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,790.0	4,791.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,802.0	4,803.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,805.0	4,806.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,805.0	4,807.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,809.0	4,811.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,814.0	4,815.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,831.0	4,832.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,845.0	4,846.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,845.0	4,847.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,859.0	4,860.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/16/2013 12:00AM	GREEN RIVER/			4,869.0	4,870.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,869.0	4,871.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
5/23/2013 12:00AM	GREEN RIVER/			4,874.0	4,875.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots

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

FORM 6

RECEIVED

MAY 22 2013

Div. of Oil, Gas & 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) 929-6236

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304734480	NBU 396		NENW	30	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
	2900	19013				7/18/2013	
Comments: The operator formally requests to change the subject well from the Natural Buttes Unit to the Maverick Unit.							
9/17/13							

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	
Comments:							

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	
Comments:							

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)

Teena Paulo

Name (Please Print)

Signature

Staff Regulatory Specialist

Title

5/22/2013

Date

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. **UTU0576**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. **UTU88574X** **RECEIVED**

2. Name of Operator **KERR-MCGEE OIL AND GAS ONSHORE LP** Contact: **Teena Paulo**
Email: **Teena.Paulo@anadarko.com**

8. Lease Name and Well No. **NBU 396** **JAN 28 2014**

3. Address **P.O. Box 173779** 3a. Phone No. (include area code) **720-929-6000**
Denver CO 82017

9. API Well No. **43-047-34480**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface **NENW 482 FNL 1765 FWL** Lat. **39.9984457** Long. **-109.5598162**

10. Field and Pool, or Exploration **Natural Buttes** **DIV. OF OIL, GAS & MINING**

11. Sec., T., R., M., on Block and Survey or Area **Sec 33 T 9S R 21E Mer SLB**

12. County or Parish **UINTAH** 13. State **UT**

14. Date Spudded **2/20/2003** 15. Date T.D. Reached **3/6/2003** 16. Date Completed D&A Ready to Prod. **7/18/2013**

17. Elevations (DF, RKB, RT, GL)* **4,955** **RKB**

18. Total Depth: MD **6,435** 19. Plug back T.D.: MD **4,737** 20. Depth Bridge Plug Set: MD **5310 & 5020 & 4737**
TVD **TVD** **TVD** **TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DSI,CNL,CCL,GR - CN,TLD,GR - PE,AL/GR

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

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

Hole Size	Size/ Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.3	15	273		111		0	
7.875	4.5 K-55	11.6	15	6,430		1,190		410	

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	4,694							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) UTELAND BUTTE	4,762	4,875	4,762 TO 4,875	0.360	24	Open
B) LONG POINT	4,485	4,715	4,485 TO 4,715	0.360	21	Open
C) DOUGLAS CREEK	4,217	4,225	4,217 TO 4,225	0.360	24	Open
D)						

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

Depth Interval	Amount and Type of Material
4762-4875	5/16/13 PUMP 274 BBLs ACID TREATMENT - NO SAND (FIRST JOB)
4762-4875	6/6/13 PUMP 833 BBLs ACID TREATMENT - NO SAND (2ND JOB)
4485-4715	7/2/13 PUMP 2,121 BBLs SLICK H2O & 94,880 LBS 20/40 SAND
4217-4225	8/21/13 PUMP 1,146 BBLs SLICK H2O & 50,000 LBS 20/40 SAND

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
7/18/2013	7/30/2013	24	→	15	0	0			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	0	0	→	15	0	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)

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 (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	Descriptions, Contents, Etc.	Name	Top
					Meas. Depth
				BIRD'S NEST	1660
				MAHOGANY	2181
				DOUGLAS CREEK	3956
				CARB MARKER	4276
				LONG POINT	4444
				UTELAND BUTTE	4756
				WASATCH	4879

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. The well was originally completed in the Wasatch from 5354-6190. A CIBP was set at 5310 with dump bail 4 sx cement on top (toc @ 5257) and another CIBP set at 5020 with dump bail 4 sx cement on top (toc @ 4967) to completely isolate the Wasatch formation. A composite bridge plug is set at 4734 to isolate the Uteland Butte from the Long Point formation. This bridge plug may be drilled out sometime in the future. A NOI will be filed if the operator intends to remove the composite plug. The well is now completed in Green River as an oil well. The original Recompletion Report was submitted before the Douglas Creek work was done. The Amended Report includes the Douglas Creek work in the Chrono History and the Perf Rpt for the Douglas Creek is attached.

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) KAY KELLY

Title Sr. Staff Regulatory Specialist

Signature

Kay E Kelly

Date 1/21/2014

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 396		Spud Date:	
Project: UTAH-UIINTAH	Site: NBU 396	Rig Name No: MONUMENT 24/24, MONUMENT 733/733	
Event: RECOMPL/RESEREVEADD	Start Date: 5/16/2013	End Date: 7/18/2013	
Active Datum: RKB @4,954.99usft (above Mean Sea Level)	UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
5/7/2013	8:00 - 16:00	8.00		33	C	P		<p>FILL SURFACE CSG. MIRU CAMERON QUICK TEST. PRESSURE TEST CSG & FRAC VALVES 1ST PSI TEST T/ 5080 PSI. HELD FOR 15 MIN LOST 32 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI.</p> <p>PRESSURE TEST 9 5/8 X 4 1/2 TO 500 PSI HELD FOR 5 MIN LOST -30 PSI, BLED PSI OFF, REINSTALLED POP OFF</p> <p>RU CUTTERS WL RIH 3 1/8 GUN, 23 GM, 0.36" HOLE PERFERD 4805-4806 3 SPF POOH. PICKED UP 3 MEMORY GUAGES RIH SET TOOL @ 4806 RU NABORS PRESSURED TO 4800 PSI NO BLEED OFF, POOH WITH GUAGES, DUMPED BAILED 7 GAL ACID ON PERFS 4805-06, POOH RIH WITH 3 MEMORY GUAGES SET TOOL @ 4806</p> <p>RU NABORS BROKE DOWN PERFS @ 2880 PSI PUMPED 2000 GAL TMAC 48 BBLs, @ 6BPM 3260 PSI, ISIP 1920, 5MIN 1820 SWI WLL MONITOR FOR 3-4 DAYS</p>
5/13/2013	11:00 - 15:00	4.00	SUBSPR	34	H	P		<p>JSA-SAFETY MEETING W/ CUTTER WIRELINE AND DELSCO PRESSURE GAUGE TECH, 200# ON WELL, CUTTER WIRELINE P/O HOLE W/ PRESSURE GAUGE W/ STOPING EVER 500' FOR 5 MIN, LAY DN GAUGES, RIH W/ PERF GUNS, PERF UTELAND ZONE AS PER SAY IN PROCEDURE, SHUT WELL IN, R/D WIRELINE</p>
5/14/2013	13:00 - 15:30	2.50	FRAC	30	A	P		MIRU, ND FRAC VALVE, NU BOP'S, RU FLOOR & TBG EQUIP, SPOT IN TBG TRAILER
5/15/2013	15:30 - 17:00	1.50	FRAC	31	I	P		P/U & TIH W/ 55 JTS 2-3/8" TBG, SDFN
	6:45 - 7:00	0.25	FRAC	48		P		HSM, JSA
5/15/2013	7:00 - 8:30	1.50	FRAC	31	I	P		TIH W/ 2-3/8" TBG, LAND TBG ON HANGER W/ 151 JTS 2-3/8" J-55 TBG, EOT @ 4,722'
	8:30 - 10:00	1.50	FRAC	30	C	P		ND BOP'S NU WH, RDMO
5/16/2013	6:30 - 7:00	0.50	FRAC	48		P		KB 15'
	7:00 - 8:20	1.33	FRAC	36	A	P		HANGER 1' 151 JTS J-55 TBG 4,706' EOT @ 4,722'
5/16/2013	6:30 - 7:00	0.50	FRAC	48		P		JSA-SAFETY MEETING W/ NABORS PUMPING SERVICE
5/16/2013	7:00 - 8:20	1.33	FRAC	36	A	P		MIRU NABORS PUMPING SERVICE, PRESSURE TEST SURFACE LINE TO 5000#, LOST 400# IN 15 MIN, OK,

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 396		Spud Date:	
Project: UTAH-UINTAH		Site: NBU 396	Rig Name No: MONUMENT 24/24, MONUMENT 733/733
Event: RECOMPL/RESEREVEADD		Start Date: 5/16/2013	End Date: 7/18/2013
Active Datum: RKB @4,954.99usft (above Mean Sea Level)		UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:20 - 12:00	3.67	FRAC	36	A	P		(FRAC STG #1) WHP = 200 #, BRK DN PERFS = 3153#, @ 4.1 BPM, ISIP = 1760 #, FG = 0.80 , FINAL ISIP = 1792#, FINAL FG = 0.81 ,NET PRESSURE INCREASE = 32 #, MAX PSI = 4779 #, MAX RATE = 7 BPM, AVERAGE PSI = 4349#, AVERAGE RATE = 6.4 BPM, , DROP 4 BIOBALL EVER 40 BBLS OF ACID, PUMP 243 BBLS ACID AND 50 BBLS WTR.
5/20/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SHUT WELL IN, R/D NABORS PUMPING SERVICE, R/U FLOW LINE TO FLOWBACK TK, TURN WELL OVER TO FLOWBACK CREW W/ 1450 # ON TBG, OPEN WELL TO TK, FLOW W/ 100# SAFETY = JSA.
	7:15 - 11:30	4.25	DRLOUT	30		P		ROAD RIG TO LOCATION. MIRU. HAD TO SHUFFLE EQUIP AROUND ON LOCATION TO FIT THE RIG & RIG EQUIP. WELDERS / PIPE FITTERS WERE IN THE WAY. SICP= 400#. SITP= 700#. BLOW DOWN WELL. NDWH. NUBOP. R/U FLOOR & TBG EQUIP. UN-LAND WELL. POOH W/ 151JTS 2-3/8" J-55 TBNG.
	11:30 - 17:00	5.50	DRLOUT	30		P		NOTE: LIGHT TRACE OF OIL ON BTTM 30JTS OF TBNG.
								MAKING MILL RUN THRU PERFS TO MAKE SURE THEY ARE NOT PLUGGED W/ FRAC BALLS. P/U & RIH W/ 3-7/8" MILL + POBS NO FLOATS + XN + 160JTS 2-3/8" J-55 TBNG. T/U @ 4985' PBD. DID NOT SEE ANYTHING THRU PERFS. L/D 9 JTS TBNG. SVMFN. PREP TO SWAB ON WELL IN THE AM. SAFETY = JSA.
5/21/2013	7:00 - 7:15	0.25	DRLOUT	48		P		

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 396		Spud Date:	
Project: UTAH-UINTAH		Site: NBU 396	Rig Name No: MONUMENT 24/24, MONUMENT 733/733
Event: RECOMPL/RESEREVEADD		Start Date: 5/16/2013	End Date: 7/18/2013
Active Datum: RKB @4,954.99usft (above Mean Sea Level)		UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 15:30	8.25	DRLOUT	42	B	P		<p>SICP= 25#. SITP= 25#. BLOW DOWN TBNG. RIH AND SWAB ON WELL AS FOLLOWS:</p> <p>STARTING FL @ 3000'. SN @4700'. SWAB FROM 4600'.</p> <p>MAKE 6 SWAB RUNS & RECOVER 11BBLS FLUID. NO CHANGE IN SICP. FL DROPPED TO 4000' AND SWABBED DRY. FLUID SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT.</p> <p>LET WELL SET FOR 30 MIN. RIH & MAKE 2 SWAB RUNS. TAG FLUID @3800' AND THEN 4000'. SWABBED DRY. RECOVER 1.5BBLS FLUID. NO CHANGE IN SICP. SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT. INFLOW ESTIMATED @ 1.5 - 2.0 BBLS/HR.</p> <p>MAKE TOTAL OF 6 MORE SWAB RUNS & RECOVER 1.5 BBLS FLUID. NO CHANGE IN SICP. FL STATIC @ 4100'. FLUID SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT. INFLOW ESTIMATED @ .25BBLS / HR.</p>
5/22/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SWIFN. WAIT ON ORDERS. SAFETY= JSA.
	7:15 - 8:00	0.75	DRLOUT	42	B	P		SICP= 50#. SITP= 50#. BLOW DOWN TBNG. MAKE 2 SWAB RUNS. REC .5 BBLS FLUID. FL @ 3900' AND THEN 4100'. SECOND SWAB RUN WAS DRY. SWI. WAIT ON ORDERS.
	8:00 - 11:00	3.00	DRLOUT	46	A			ENGINEERING DECIDED TO RE-PERF EXISTING PERFS AND ADD SOME PERFS. POOH W/ 151JTS 2-3/8" J-55 TBNG. ND WASHINGTON HEAD & PREP FOR PERFORATING OPS.
	11:00 - 12:30	1.50	DRLOUT	31	I	P		WAIT ON WIRELINE TO PREP GUNS AND TRAVEL TO LOCATION.
	12:30 - 15:30	3.00	DRLOUT	46	F	S		MIRU WIRELINE. RIH W/ 3-1/8" PERF GUNS, 3SPF AND PERF UTELAND BUTTE ZONES AS PER SAY IN NEW PROCEDURE. POOH W/ WIRELINE. RDMO WIRELINE.
	15:30 - 16:30	1.00	SUBSPR	34	H	P		INSTALL WASHINGTON HEAD. R/U TBNG EQUIP. PREP TO RIH W/ TBG. SAFETY = JSA.
5/23/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SICP= 50#. BLOW DOWN WELL. NDBOP. NU FRAC VALVE. HOOK UP FLOWBACK LINES. SHUFFLE EQUIP OFF LOCATION. PREP FOR ACID JOB. SWIFN SAFETY = JSA.
	7:15 - 12:00	4.75	SUBSPR	30		P		SICP= 0#. ACID FRAC CANCELED. ND FRAC VALVE. NUBOP. R/U FLOOR & TBNG EQUIP. RIH W/ 151JTS 2-3/8" J-55 TBNG. SPOT IN L/D TRAILER. POOH WHILE L/D ALL TBNG. 151 JTS 2-3/8" J-55 Y-BND TBNG SENT BACK TO SAMUELS YARD. NDBOP. NU FRAC VALVE. SWI. RDMOL.
5/24/2013	7:00 - 7:15	0.25	SUBSPR	48		P		
	7:15 - 13:30	6.25	SUBSPR	30		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 396		Spud Date:	
Project: UTAH-UINTAH		Site: NBU 396	Rig Name No: MONUMENT 24/24, MONUMENT 733/733
Event: RECOMPL/RESEREVEADD		Start Date: 5/16/2013	End Date: 7/18/2013
Active Datum: RKB @4,954.99usft (above Mean Sea Level)		UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/6/2013	7:00 - 7:15	0.25	FRAC	48		P		<p>HSM ACID SAFETY PRESSURE TEST PUMP & LINES TO 4000 LOST 200 PSI 15 MIN OPENED WELL 225 PSI BROKE DOWN PERFS @ 1867 PUMPED 10 BBLs 7BPM 2200 PSI, PERFORMED STEP DOWN TEST, 22.2 BPM 2503 PSI, 15 BPM 2202 PSI 7.6 BPM 2002 PSI ISIP 1806 START ACID PUMPED 5 BBLs DROPPED 20 FRAC BALLS PUMPED 69 BBLs ACID TREATER FLUSHED WELL WITH FRESH WATER AND WASNT AS PER PLAN. PUMPED 615 BBL 15% ACID DROPPED ATOTAL OF 32 MORE FRAC BALL DIDNT SEE MUCH BALL ACTION, FLUSHED WITH 75 BBLs FRESH WATER 1SIP 1983 PSI, NET PRESSURE 277 FG .85 SWI RD FRAC CREW, WAITH 2 HRS OPENED WELL WITH FLOW BACK CREW</p>
6/7/2013	7:15 - 7:15	0.00	FRAC					
	10:00 - 12:00	2.00	DRLOUT	30	G	P		<p>RDMO HATCH 923-14E. ROAD RIG TO LOCATION. RIG HAVING TROUBLES OVERHEATING. 0# ON WELL. MIRU. NDFV. NUBOP. R/U FLOOR. X/O TO TBNG EQUIP. P/U & RIH W/ 3-7/8" MILL + PUMP OPEN SUB + XN + 160JTS 2-3/8" J-55 TBNG. T/U @4985'. L/D 9JTS. LAND WELL AS FOLLOWS:</p> <p>KB= 15.00' HANGER=.83' 151JTS 2-3/8" J-55 Y-BND TBNG = 4692.66' XN / PUMP OPEN BIT SUB = 2.20' MILL= .60' EOT @4711.29'</p> <p>LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH. R/U PUMP LINES. DROP BALL DOWN TBNG & PUMP OPEN BIT SUB @ 1100# W/ 20 BBLs TMAC. SWIFN.</p> <p>NOTE: LIGHT FLOW FROM THE WELL. NO TRACE OF OIL. VERY LITTLE GAS. SAFETY= JSA.</p>
	12:00 - 19:00	7.00	DRLOUT	30		P		
6/8/2013	7:00 - 7:15	0.25	DRLOUT	48		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 396

Spud Date:

Project: UTAH-UINTAH

Site: NBU 396

Rig Name No: MONUMENT 24/24, MONUMENT 733/733

Event: RECOMPL/RESERVEEADD

Start Date: 5/16/2013

End Date: 7/18/2013

Active Datum: RKB @4,954.99usft (above Mean Sea Level)

UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 15:00	7.75	DRLOUT	42	B	P		SICP= 400#. SITP= 500#. OPEN TBG TO FLOWBACK TANK. WELL FLOWED 5BBLS FLUID AND THEN DIED. NO OIL, LITTLE GAS. R/U SWAB EQUIP. R/U FLOW LINES. PULL 29 SWAB RUNS. STARTING FLUID LEVEL @ SURFACE. FLUID SWABBED DOWN TO 4200' BY 1300 HRS. WELL BEGAN TO SWAB DRY. LAST 2RUNS OF THE DAY MADE < 2BBLS OF FLUID. SWFN. FLUID RECOVERED = 115BBLS (ONLY SPECS OF OIL PRESENT). FLUID INFLOW ESTIMATED @ 1.5BBLS/HR TO 2.0 BBLS/HR. START CSNG PRESSURE @400# AND FELL TO 50#. CSNG THEN BEGAN CLIMBING. END SICP= 250# NOTE: FLUID PH = 6 SAFETY = JSA.
6/10/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SICP= 800#. TP= 0#. PULL 5 SWAB RUNS. FL START @1500'. LAST SWAB RUN FL @ 4000'. WELL KICKED OFF FOR 45MIN AND DIED. SICP FELL TO 100#. NO OIL. REC 22BBLS FLUID. SWI. RDMO. SAFETY = JSA.
	7:15 - 9:30	2.25	DRLOUT	42		P		
6/28/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SICP= 900#. SITP= 350#. MIRU. BLOW DOWN WELL. NDWH. NUBOP. R/U FLOOR. X/O TO TBNG EQUIP. UN-LAND WELL. POOH WHILE L/D 151JTS 2-3/8" J-55 TBNG. NDBOP. NUFV. MIRU WIRELINE. RIH & SET 10K CIBP @4737'. LOAD CASING W/ 25BBLS TMAC & PRESSURE TEST GOOD @3800#. LOST 10# IN 30MIN. BLEED OFF PRESSURE. RIH W/ 3-3/8" GUNS, 23GM. 36 SHOT & PERF LONG POINT AS PER DESIGN IN PROCEDURE. RDMO WIRELINE. SWI. RDMOL. NOTE: TBNG STORED ON ADJACENT LOCATION. TBNG HANGER RE-DRESSED & SET BY WELL HEAD.
	7:15 - 12:00	4.75	SUBSPR	30		P		
	12:00 - 15:30	3.50	SUBSPR	34		P		
6/29/2013	7:00 -							REBUILD PRODUCTION FACILITIES TO RETURN WELL TO PRODUCTION
7/2/2013	6:45 - 7:00	0.25	FRAC	48	G	P		HELD SAFETY MEETING CROSS LINK & HEAT TEST PUMP & LINES 5000 PSI FOR 15 MIN GAIN 50 PSI

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 396

Spud Date:

Project: UTAH-UINTAH

Site: NBU 396

Rig Name No: MONUMENT 24/24, MONUMENT
733/733

Event: RECOMPL/RESEREVEADD

Start Date: 5/16/2013

End Date: 7/18/2013

Active Datum: RKB @4,954.99usft (above Mean Sea
Level)

UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 10:00	3.00	FRAC	36	G	P		RU FRAC CREW: FRAC STG1)WHP 69 PSI, BRK 2199 PSI @ 2.3 BPM. ISIP 1870 PSI, FG .85. CALC HOLES OPEN @ 36 BPM @ 3183 PSI = 95% HOLES OPEN. (20/21 HOLES OPEN) ISIP 1550 PSI, FG .78, NPI 320 PSI. MP 3357 PSI, MR 49.0 BPM, AP 2924 PSI, AR 41.6 BPM PUMPED 20/40 WHITE SAND IN THIS STAGE SWI RU FRAC CREW TOTAL SAND= 94,800 # TOTAL CLFL= 2,121 BBLs THIS WAS A CROSS LINK SAND FRAC HSM, SLIPS, TRIPS & FALLS, PU TBG MIRU, ND FV, NU BOP, RU FLOOR & TBG EQUIP, SPOT TBG TRAILER, PU 3 7/8" BIT, PUMP OPEN SUB, 1.85" XN S/N, TALLY & PU TBG, PBTD @ 4,737' (ISOLATION PLUG)), BTM PERF @ 4,715', RIH TAGGED @ 4,730', 15' PAST BTM PERF W/ 151 JTS 2 3/8" J-55 TBG, LD 1 JT, PU TBG HANGER & LAND TBG W/ 150 JTS 2 3/8", EOT 4,684.65'. RD P/S, FLOOR & TBG EQUIP, ND BOPS, NU WH, DROP BALL & PUMP OPEN BIT SUB, RD & ROAD RIG TO NBU 1022-3FT. TURN OVER TO SWAB CREW. KB= 15' 7 1/16" CAMERON HANGER= .83' TBG DELIVERED 151 JTS J-55 150 JTS 2 3/8" J-55= 4,664.85' TBG USED 150 JTS J-55 PUMP OPEN SUB & BIT= 3.97' TBG RETURNED 1 JTS J-55 EOT @ 4,684.65' 7/17/2013 7:00 - 7:15 0.25 DRLOUT 48 P SAFETY = JSA. 7:15 - 9:00 1.75 DRLOUT 30 P RDMO NBU 307 - 6E. ROAD RIG TO LOCATION.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 396

Spud Date:

Project: UTAH-UJINTAH

Site: NBU 396

Rig Name No: MONUMENT 24/24, MONUMENT
733/733

Event: RECOMPL/RESEREVEADD

Start Date: 5/16/2013

End Date: 7/18/2013

Active Datum: RKB @4,954.99usft (above Mean Sea Level)

UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	9:00 - 17:00	8.00	DRLOUT	30		P		<p>SICP= 1000#. SITP= 1000#. MIRU. BLOW DOWN WELL. NDWH. NUBOP. X/O TO TBNG EQUIP. R/U FLOOR. UN-LAND WELL. P/U & RIH W/ 2JTS 2-3/8" J-55 TBNG. T/U @ 4737' PBT.D. L/D 2JTS USED TO T/U. MIRU HOT OILER. FLLUSH TBNG W/ 20BBLS HOT TMAC-SOLVENT MIXTURE. POOH W/ 150JTS 2-3/8" J-55 TBNG + POBS + BIT. L/D BIT & POBS. RIH W/ PRODUCTION TBNG AS FOLLOWS:</p> <p>KB = 15.00' HANGER = .83' 149JTS 2-3/8" J-55 Y-BND TBNG = 4640.72' PSN = 1.10' PERF SUB 2-3/8" J-55 = 4.06' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' H-F 2-3/8" PURGE VALVE = .63'</p> <p>EOT @ 4694.04' PSN @ 4656.55'</p> <p>LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH W/ B-1 ADAPTER. SWIFN. SAFETY = JSA.</p> <p>SICP= 0#. SITP= 0#. MIRU HOT OILER. FLUSH TBNG W/ 25BBLS HOT TMAC-SOLVENT SOLUTION. P/U INSERT PUMP. PRIME / STROKE TEST PUMP GOOD. RIH W/ INSERT PUMP & ROD STRING AS FOLLOWS:</p> <p>1-1/4" X 28' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 58) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). ALL CPLNGS REPLACED. 6) 1-1/4" GRADE D WEIGHT BARS (NEW) 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL =.63' 2 X 1-1/4" X 16' X 19' X 19' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3631. ALT BALLS & SEATS.</p> <p>SPACE OUT PUMP. SEAT PUMP. LOAD TBNG W/ 1BBLS TMAC. STROKE / PRESSURE TEST PUMP GOOD @ 1000#. R/U HYDRAULIC UNIT. SWI. RDMOL.</p> <p>NOTE: X/O SEVERAL ROD BOXES & CHASE ALL THREADS & PINS W/ CHASER WHILE RIH W/ ROD STRING.</p>
7/18/2013	7:00 - 7:15	0.25	DRLOUT	48		P		<p>WELL TURNED TO SALES @ 1130 HR ON 7/22/2013. OMCFD, 1152 BWP.D, FCP 0#, FTP 0#, 0 CK. SAFETY = JSA.</p>
	7:15 - 15:00	7.75	DRLOUT	30		P		
	15:00 - 15:00	0.00	DRLOUT	50				
8/20/2013	7:00 - 7:15	0.25	SUBSPR	48		P		<p>ROAD RIG TO LOCATION.</p>
	7:15 - 8:30	1.25	SUBSPR	30		P		

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 396

Spud Date:

Project: UTAH-UINTAH

Site: NBU 396

Rig Name No: MONUMENT 24/24, MONUMENT
733/733

Event: RECOMPL/RESERVEADD

Start Date: 5/16/2013

End Date: 7/18/2013

Active Datum: RKB @4,954.99usft (above Mean Sea Level)

UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:30 - 11:30	3.00	SUBSPR	39		P		<p>CP= 100#. TP= 100#. MIRU. R/D HYDRAULIC UNIT. UN-SEAT PUMP. MIRU HOT OILER & FLUSH RODS W/ 30 BBLS HOT TMAC. RDMO HOT OILER. POOH W/ ROD STRING AS FOLLOWS:</p> <p>1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 58) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). ALL CPLNGS REPLACED. 6) 1-1/4" GRADE D WEIGHT BARS (NEW) 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL. =.63' 2 X 1-1/4" X 16' X 19' X 19' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3631. ALT BALLS & SEATS.</p>
	11:30 - 15:00	3.50	SUBSPR	31		P		<p>X/O TO TBNG EQUIP. NDWH. NUBOP. UN-LAND WELL. POOH W/ TBG AS FOLLOWS:</p> <p>149JTS 2-3/8" J-55 Y-BND TBNG = 4640.72' PSN = 1.10' PERF SUB 2-3/8" J-55 = 4.06' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' H-F 2-3/8" PURGE VALVE = .63'</p>
	15:00 - 17:30	2.50	SUBSPR	34		P		<p>R/D FLOOR. NDBOP. NUFV. MIRU WIRELINE. RIH W/ HAL 8K CBP. SET CBP @ 4418'. POOH W/ TOOLS. R/U PUMP LINES & PRÉSSURE TEST FRAC VALVES GOOD @ 3800 PSI FOR 30MIN. LOST 25 PSI. NO VISIBLE LEAKS ON VALVES OR WELLHEAD. RIH W/ PERF 3-3/8" PERF GUN,23GM, .36 HOLE, 3SPF. PERF DOUGLAS CREEK AS PER PROCEDURE. POOH W/ TOOLS. RDMO WIRELINE</p>
8/21/2013	7:00 - 11:00	4.00	FRAC	36		P		<p>HSM. MIRU FRAC EQUIP + PRESSURE TEST LINES GOOD @ 5000# FOR 15 MIN.</p>
	11:00 - 17:00	6.00	FRAC					<p>FRAC DOUGLAS CREEK AS PER DESIGN. BRK DWN PERFS 2BPM @ 1809#. ISIP @ 730#. F.G. =.61. FINAL: ISIP 1226. FG .72.</p>
								<p>TTL CLEAN FLUID = 1146BBLS TTL PROPANT = 50,000#.</p>
8/22/2013	7:00 - 7:15	0.25	DRLOUT	48		P		<p>SM. WAIT ON FLOWBACK CREW. SAFETY = JSA.</p>
	7:15 - 9:00	1.75	DRLOUT	30		P		<p>LIGHT FLOW FROM WELL. REMOVE WASHINGTON HEAD & SPOOL PIECE FROM BOP'S. INSTALL BIRD BATH CATCH BASIN. RE-INSTALL WASHINGTON HEAD.</p>

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 396		Spud Date:	
Project: UTAH-UJINTAH		Site: NBU 396	Rig Name No: MONUMENT 24/24, MONUMENT 733/733
Event: RECOMPL/RESERVEADD		Start Date: 5/16/2013	End Date: 7/18/2013
Active Datum: RKB @4,954.99usft (above Mean Sea Level)		UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	9:00 - 13:30	4.50	DRLOUT	31		P		<p>NDFV. NUBOP. R/U FLOOR. RIH W/ PRODUCTION TBNG AS FOLLOWS:</p> <p>KB = 15.00' HANGER = .83' 136JTS 2-3/8" J-55 Y-BND TBNG = 4234.99' PSN = 1.10' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' NOTCHED COLLAR = .63'</p> <p>EOT @ 4284.25' PSN @ 4250.82"</p>
	13:30 - 18:00	4.50	DRLOUT	39		P		<p>LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH. X/O TO ROD EQUIP.</p> <p>P/U INSERT PUMP. PRIME / STROKE TEST PUMP GOOD. RIH W/ INSERT PUMP & ROD STRING AS FOLLOWS:</p> <p>1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 7/8" X 8' GRADE D SLK PONY (NEW) 41) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). 6) 1-1/4" GRADE D WEIGHT BARS (USED) 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL. =.63' 2 X 1-1/4" X 16' X 19' X 21' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3689. ALT BALLS & SEATS.</p> <p>SPACE OUT PUMP. SEAT PUMP. STROKE / PRESSURE TEST PUMP GOOD @ 1000#. R/U HYDRAULIC UNIT. R/D RIG. PREP FOR RIG MOVE IN THE AM. SDFN. BRING WELL ON LINE.</p>

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 396	Wellbore No.	OH
Well Name	NBU 396	Wellbore Name	NBU 396
Report No.	3	Report Date	8/20/2013
Project	UTAH-UINTAH	Site	NBU 396
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	5/16/2013	End Date	7/18/2013
Spud Date		Active Datum	RKB @4,954.99usft (above Mean Sea Level)
UWI	NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0		

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	4,217.0 (usft)-4,225.0 (usft)	Start Date/Time	8/20/2013 12:00AM
No. of Intervals	1	End Date/Time	8/20/2013 12:00AM
Total Shots	24	Net Perforation Interval	8.00 (usft)
Avg Shot Density	3.00 (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)	Carri Type/Stage No	Carri Size (in)	Phasing (")	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
8/20/2013 12:00AM	GREEN RIVER/			4,217.0	4,225.0	3.00		0.410	EXP/	3.125	120.00		19.00	PRODUCTIO	N

3 Plots

3.1 Wellbore Schematic



FORM 3160-4
(March 2012)

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

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

5. Lease Serial No. **UTU0576**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. **UTU88574X**

8. Lease Name and Well No. **NBU 396**

9. API Well No. **43-047-34480**

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

11. Sec., T., R., M., on Block and Survey or Area **Sec 33 T 9S R 21E Mer SLB**

12. County or Parish **UINTAH** 13. State **UT**

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion: New Well Workover Deepen Plug Back Diff. Resrv.,

Other **2nd AMENDED RECOMPLETION REPORT**

2. Name of Operator **KERR-MCGEE OIL AND GAS ONSHORE LP** Contact: **Kay Kelly**
Email: **Kay.Kelly@anadarko.com**

3. Address **P.O. Box 173779 Denver CO 82017** 3a. Phone No. (include area code) **720-929-6000**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At Surface **NENW 482 FNL 1765 FWL** Lat. **39.9984457** Long. **-109.5598162**
At top prod. interval reported below
At total depth

14. Date Spudded **2/20/2003** 15. Date T.D. Reached **3/6/2003** 16. Date Completed D&A Ready to Prod. **7/18/2013**

17. Elevations (DF, RKB, RT, GL)* **4,955 RKB**

18. Total Depth: MD **6,435** TVD **MD 4,737 TVD** 19. Plug back T.D.: MD **4,737** TVD **MD 5310 & 5020, 4737, & 4418 TVD**

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
DSI,CNL,CCL,GR - CN,TLD,GR - PE,AL/GR

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.625 H-40	32.3	15	273		111		0	
7.875	4.5 K-55	11.6	15	6,430		1,190		410	

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		4,284						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. of Holes	Perf. Status
A) UTELAND BUTTE	4,762	4,875	4,762 TO 4,875	0.360	24	Open
B) LONG POINT	4,485	4,715	4,485 TO 4,715	0.360	21	Open
C) DOUGLAS CREEK	4,217	4,225	4,217 TO 4,225	0.360	24	Open
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
4762-4875	5/16/13 PUMP274 BBLS ACID TREATMENT - NO SAND (FIRST JOB)
4762-4875	6/6/13 PUMP 833 BBLS ACID TREATMENT - NO SAND (2ND JOB)
4485-4715	7/2/13 PUMP 2,121 BBLS SLICK H2O & 94,880 LBS 20/40 SAND
4217-4225	8/21/13 PUMP 1,146 BBLS SLICK H2O & 50,000 LBS 20/40 SAND

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
7/18/2013	7/30/2013	24	→	15	0	0			Pumping
Choke Size	Tbg. Press Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
64/64	0	0	→	15	0	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)

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 (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	Descriptions, Contents, Etc.	Name	Top
					Meas. Depth
				BIRD'S NEST	1660
				MAHOGANY	2181
				DOUGLAS CREEK	3956
				CARB MARKER	4276
				LONG POINT	4444
				UTELAND BUTTE	4756
				WASATCH	4879

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. The well was originally completed in the Wasatch from 5354-6190. A CIBP was set at 5310 with dump bail 4 sx cement on top (toc @ 5257) and another CIBP set at 5020 with dump bail 4 sx cement on top (toc @ 4967) to completely isolate the Wasatch formation. A composite bridge plug is set at 4734 to isolate the Uteland Butte from the Long Point formation. This bridge plug may be drilled out sometime in the future. A NOI will be filed if the operator intends to remove the composite plug. The well is now completed in Green River as an oil well. The original Recompletion Report was submitted before the Douglas Creek work was done. The Amended Report includes the Douglas Creek work in the Chrono History and the Perf Rpt for the Douglas Creek is attached.

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

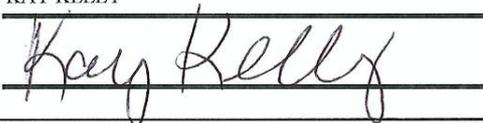
- Electrical/Mechanical Logs (1 full set req'd)
 Geologic Report
 DST Report
 Directional Survey
 Sundry Notice for plugging and cement verification
 Core Analysis
 Other:

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) KAY KELLY

Title Sr. Staff Regulatory Specialist

Signature



Date 2/25/2014

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.

February 25, 2014

2nd AMENDED RECOMPLETION RPT FOR NBU 396

The Amended Recompletion Rpt sent in on January 15, 2014 included the Douglas Creek interval which was completed after the original recompletion report was filed. A composite bridge plug was inadvertently left off of the Amended recompletion report and the EOT was not updated. These two changes have been marked in **RED** on the 2nd Amended recompletion report. The attachments are included, but have not changed from those sent with the Amended recompletion filed in January, 2014.

2/26/14

Hard copy mailed to BLM

Electronic courtesy copy to UDOGM

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013		End Date: 7/18/2013				
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
5/7/2013	8:00 - 16:00	8.00		33	C	P		FILL SURFACE CSG. MIRU CAMERON QUICK TEST. PRESSURE TEST CSG & FRAC VALVES 1ST PSI TEST T/ 5080 PSI. HELD FOR 15 MIN LOST 32 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. PRESSURE TEST 9 5/8 X 4 1/2 TO 500 PSI HELD FOR 5 MIN LOST -30 PSI,BLED PSI OFF, REINSTALLED POP OFF RU CUTTERS WL RIH 3 1/8 GUN, 23 GM, 0,36"HOLE PERFED 4805-4806 3 SPF POOH. PICKED UP 3 MEMORY GUAGES RIH SET TOOL @ 4806 RU NABORS PRESSURED TO 4800 PSI NO BLEED OFF, POOH WITH GUAGES, DUMPED BAILED 7 GAL ACID ON PERFS 4805-06, POOH RIH WITH 3 MEMORY GUAGES SET TOOL @ 4806 RU NABORS BROKE DOWN PERFS @ 2880 PSI PUMPED 2000 GAL TMAC 48 BBLS, @ 6BPM 3260 PSI, ISIP 1920, 5MIN 1620 SWM WILL MONITOR FOR 3-4 DAYS	
5/13/2013	11:00 - 15:00	4.00	SUBSPR	34	H	P		JSA-SAFETY MEETING W/ CUTTER WIRELINE AND DELSCO PRESSURE GAUGE TECH, 200# ON WELL, CUTTER WIRELINE P/O HOLE W/ PRESSURE GAUGE W/ STOPING EVER 500' FOR 5 MIN, LAY DN GAUGES, RIH W/ PERF GUNS, PERF UTELAND ZONE AS PER SAY IN PROCEDURE, SHUT WELL IN, R/D WIRELINE	
5/14/2013	13:00 - 15:30	2.50	FRAC	30	A	P		MIRU, ND FRAC VALVE, NU BOP'S, RU FLOOR & TBG EQUIP, SPOT IN TBG TRAILER P/U & TIH W/ 55 JTS 2-3/8" TBG, SDFN	
	15:30 - 17:00	1.50	FRAC	31	I	P		HSM, JSA	
5/15/2013	6:45 - 7:00	0.25	FRAC	48		P		TIH W/ 2-3/8" TBG, LAND TBG ON HANGER W/ 151 JTS 2-3/8" J-55 TBG, EOT @ 4,722'	
	7:00 - 8:30	1.50	FRAC	31	I	P		ND BOP'S NU WH, RDMO KB 15' HANGER 1' 151 JTS J-55 TBG 4,706' EOT @ 4,722'	
	8:30 - 10:00	1.50	FRAC	30	C	P			
5/16/2013	6:30 - 7:00	0.50	FRAC	48		P		JSA-SAFETY MEETING W/ NABORS PUMPING SERVICE	
	7:00 - 8:20	1.33	FRAC	36	A	P		MIRU NABORS PUMPING SERVICE, PRESSURE TEST SURFACE LINE TO 5000#, LOST 400# IN 15 MIN, OK,	

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 396				Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733		
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013		End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	8:20 - 12:00	3.67	FRAC	36	A	P		(FRAC STG #1) WHP = 200 #, BRK DN PERFS = 3153#, @ 4.1 BPM, ISIP = 1760 #, FG = 0.80 , FINAL ISIP = 1792#, FINAL FG = 0.81 ,NET PRESSURE INCREASE = 32 #, MAX PSI = 4779 #, MAX RATE = 7 BPM, AVERAGE PSI = 4349#, AVERAGE RATE = 6.4 BPM, , DROP 4 BIOBALL EVER 40 BBLS OF ACID, PUMP 243 BBLS ACID AND 50 BBLS WTR.
								SHUT WELL IN, R/D NABORS PUMPING SERVICE, R/U FLOW LINE TO FLOW BACK TK, TURN WELL OVER TO FLOW BACK CREW W/ 1450 # ON TBG, OPEN WELL TO TK, FLOW W/ 100#
5/20/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.
	7:15 - 11:30	4.25	DRLOUT	30		P		ROAD RIG TO LOCATION. MIRU. HAD TO SHUFFLE EQUIP AROUND ON LOCATION TO FIT THE RIG & RIG EQUIP. WELDERS / PIPE FITTERS WERE IN THE WAY.
	11:30 - 17:00	5.50	DRLOUT	30		P		SICP= 400#. SITP= 700#. BLOW DOWN WELL. NDWH. NUBOP. R/U FLOOR & TBG EQUIP. UN-LAND WELL. POOH W/ 151JTS 2-3/8" J-55 TBNG.
								NOTE: LIGHT TRACE OF OIL ON BTTM 30JTS OF TBNG.
								MAKING MILL RUN THRU PERFS TO MAKE SURE THEY ARE NOT PLUGGED W/ FRAC BALLS. P/U & RIH W/ 3-7/8" MILL + POBS NO FLOATS + XN + 160JTS 2-3/8" J-55 TBNG. T/U @ 4985' PBTD. DID NOT SEE ANYTHING THRU PERFS. L/D 9 JTS TBNG. SWMFn. PREP TO SWAB ON WELL IN THE AM.
5/21/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	7:15 - 15:30	8.25	DRLOUT	42	B	P		SICP= 25#. SITP= 25#. BLOW DOWN TBNG. RIH AND SWAB ON WELL AS FOLLOWS: STARTING FL @ 3000'. SN @4700'. SWAB FROM 4600'. MAKE 6 SWAB RUNS & RECOVER 11BBLS FLUID. NO CHANGE IN SICP. FL DROPPED TO 4000' AND SWABBED DRY. FLUID SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT. LET WELL SET FOR 30 MIN. RIH & MAKE 2 SWAB RUNS. TAG FLUID @3800' AND THEN 4000'. SWABBED DRY. RECOVER 1.5BBLS FLUID. NO CHANGE IN SICP. SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT. INFLOW ESTIMATED @ 1.5 - 2.0 BBL/HR. MAKE TOTAL OF 6 MORE SWAB RUNS & RECOVER 1.5 BBL FLUID. NO CHANGE IN SICP. FL STATIC @ 4100'. FLUID SLIGHTLY GAS CUT. ONLY SPECS OF OIL PRESENT. INFLOW ESTIMATED @ .25BBL/HR. SWM FN. WAIT ON ORDERS.	
5/22/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY= JSA.	
	7:15 - 8:00	0.75	DRLOUT	42	B	P		SICP= 50#. SITP= 50#. BLOW DOWN TBNG. MAKE 2 SWAB RUNS. REC .5 BBL FLUID. FL @ 3900' AND THEN 4100'. SECOND SWAB RUN WAS DRY. SWI. WAIT ON ORDERS.	
	8:00 - 11:00	3.00	DRLOUT	46	A			ENGINEERING DECIDED TO RE-PERF EXISTING PERFS AND ADD SOME PERFS. POOH W/ 151JTS 2-3/8" J-55 TBNG. ND WASHINGTON HEAD & PREP FOR PERFORATING OPS.	
	11:00 - 12:30	1.50	DRLOUT	31	I	P		WAIT ON WIRELINE TO PREP GUNS AND TRAVEL TO LOCATION.	
	12:30 - 15:30	3.00	DRLOUT	46	F	S		MIRU WIRELINE. RIH W/ 3-1/8" PERF GUNS, 3SPF AND PERF UTELAND BUTTE ZONES AS PER SAY IN NEW PROCEDURE. POOH W/ WIRELINE. RDMO WIRELINE.	
	15:30 - 16:30	1.00	SUBSPR	34	H	P		INSTALL WASHINGTON HEAD. R/U TBNG EQUIP. PREP TO RIH W/ TBG.	
	16:30 - 18:00	1.50	SUBSPR	31	I	P		SAFETY = JSA.	
5/23/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SICP= 50#. BLOW DOWN WELL. NDBOP. NU FRAC VALVE. HOOK UP FLOWBACK LINES. SHUFFLE EQUIP OFF LOCATION. PREP FOR ACID JOB. SWIFN	
	7:15 - 12:00	4.75	SUBSPR	30		P		SAFETY = JSA.	
5/24/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SICP= 0#. ACID FRAC CANCELED. ND FRAC VALVE. NUBOP. R/U FLOOR & TBNG EQUIP. RIH W/ 151JTS 2-3/8" J-55 TBNG. SPOT IN L/D TRAILER. POOH WHILE L/D ALL TBNG. 151 JTS 2-3/8" J-55 Y-BND TBNG SENT BACK TO SAMUELS YARD. NDBOP. NU FRAC VALVE. SWI. RDMOL.	
	7:15 - 13:30	6.25	SUBSPR	30		P			

US ROCKIES REGION
Operation Summary Report

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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/6/2013	7:00 - 7:15	0.25	FRAC	48		P		HSM ACID SAFETY PRESSURE TEST PUMP & LINES TO 4000 LOST 200 PSI 15 MIN OPENED WELL 225 PSI BROKE DOWN PERFS @ 1867 PUMPED 10 BBLS 7BPM 2200 PSI, PERFORMED STEP DOWN TEST, 22.2 BPM 2503 PSI, 15 BPM 2202 PSI 7.6 BPM 2002 PSI ISIP 1806 START ACID PUMPED 5 BBLS DROPPED 20 FRAC BALLS PUMPED 69 BBLS ACID TREATER FLUSHED WELL WITH FRESH WATER AND WASN'T AS PER PLAN. PUMPED 615 BBL 15% ACID DROPPED ATOTAL OF 32 MORE FRAC BALL DIDNT SEE MUCH BALL ACTION, FLUSHED WITH 75 BBLS FRESH WATER 1SIP 1983 PSI, NET PRESSURE 277 FG .85 SWI RD FRAC CREW, WAITH 2 HRS OPENED WELL WITH FLOWBACK CREW
6/7/2013	7:15 - 7:15	0.00	FRAC					
	10:00 - 12:00	2.00	DRLOUT	30	G	P		RDMO HATCH 923-14E. ROAD RIG TO LOCATION. RIG HAVING TROUBLES OVERHEATING. 0# ON WELL. MIRU. NDFV. NUBOP. R/U FLOOR. X/O TO TBNG EQUIP. P/U & RIH W/ 3-7/8" MILL + PUMP OPEN SUB + XN + 160JTS 2-3/8" J-55 TBNG. T/U @4985'. L/D 9JTS. LAND WELL AS FOLLOWS: KB= 15.00' HANGER=.83' 151JTS 2-3/8" J-55 Y-BND TBNG = 4692.66' XN / PUMP OPEN BIT SUB = 2.20' MILL= .60' EOT @4711.29' LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH. R/U PUMP LINES. DROP BALL DOWN TBNG & PUMP OPEN BIT SUB @ 1100# W/ 20 BBLS TMAC. SWFN. NOTE: LIGHT FLOW FROM THE WELL. NO TRACE OF OIL. VERY LITTLE GAS. SAFETY= JSA.
	12:00 - 19:00	7.00	DRLOUT	30		P		
6/8/2013	7:00 - 7:15	0.25	DRLOUT	48		P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 396		Spud Date:	
Project: UTAH-UINTAH		Site: NBU 396	Rig Name No: MONUMENT 24/24, MONUMENT 733/733
Event: RECOMPL/RESEREVEADD		Start Date: 5/16/2013	End Date: 7/18/2013
Active Datum: RKB @4,954.99usft (above Mean Sea Level)		UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:15 - 15:00	7.75	DRLOUT	42	B	P		<p>SICP= 400#. SITP= 500#. OPEN TBG TO FLOWBACK TANK. WELL FLOWED 5BBLs FLUID AND THEN DIED. NO OIL, LITTLE GAS. R/U SWAB EQUIP. R/U FLOW LINES. PULL 29 SWAB RUNS. STARTING FLUID LEVEL @ SURFACE. FLUID SWABBED DOWN TO 4200' BY 1300 HRS. WELL BEGAN TO SWAB DRY. LAST 2RUNS OF THE DAY MADE < 2BBLs OF FLUID. SWFN.</p> <p>FLUID RECOVERED = 115BBLs (ONLY SPECS OF OIL PRESENT). FLUID INFLOW ESTIMATED @ 1.5BBLs/HR TO 2.0 BBLs/HR. START CSNG PRESSURE @400# AND FELL TO 50#. CSNG THEN BEGAN CLIMBING. END SICP= 250#</p> <p>NOTE: FLUID PH = 6</p>
6/10/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SAFETY = JSA.
	7:15 - 9:30	2.25	DRLOUT	42		P		SICP= 800#. TP= 0#. PULL 5 SWAB RUNS. FL START @1500'. LAST SWAB RUN FL @ 4000'. WELL KICKED OFF FOR 45MIN AND DIED. SICP FELL TO 100#. NO OIL. REC 22BBLs FLUID. SWI. RDMO.
6/28/2013	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY = JSA.
	7:15 - 12:00	4.75	SUBSPR	30		P		SICP= 900#. SITP= 350#. MIRU. BLOW DOWN WELL. NDWH. NUBOP. R/U FLOOR. X/O TO TBNG EQUIP. UN-LAND WELL. POOH WHILE L/D 151JTS 2-3/8" J-55 TBNG. NDBOP. NUFV.
	12:00 - 15:30	3.50	SUBSPR	34		P		<p>MIRU WIRELINE. RIH & SET 10K CIBP @4737'. LOAD CASING W/ 25BBLs TMAC & PRESSURE TEST GOOD @3800#. LOST 10# IN 30MIN. BLEED OFF PRESSURE. RIH W/ 3-3/8" GUNS, 23GM .36 SHOT & PERF LONG POINT AS PER DESIGN IN PROCEDURE. RDMO WIRELINE. SWI. RDMOL.</p> <p>NOTE: TBNG STORED ON ADJACENT LOCATION. TBNG HANGER RE-DRESSED & SET BY WELL HEAD.</p>
6/29/2013	7:00 -							REBUILD PRODUCTION FACILITIES TO RETURN WELL TO PRODUCTION
7/2/2013	6:45 - 7:00	0.25	FRAC	48	G	P		HELD SAFETY MEETING CROSS LINK & HEAT TEST PUMP & LINES 5000 PSI FOR 15 MIN GAIN 50 PSI

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 396				Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733		
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013		
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 10:00	3.00	FRAC	36	G	P		RU FRAC CREW: FRAC STG1)WHP 69 PSI, BRK 2199 PSI @ 2.3 BPM. ISIP 1870 PSI, FG .85. CALC HOLES OPEN @ 36 BPM @ 3183 PSI = 95% HOLES OPEN. (20/21 HOLES OPEN) ISIP 1550 PSI, FG .78, NPI 320 PSI. MP 3357 PSI, MR 49.0 BPM, AP 2924 PSI, AR 41.6 BPM PUMPED 20/40 WHITE SAND IN THIS STAGE SWI RU FRAC CREW TOTAL SAND= 94,800 # TOTAL CLFL= 2,121 BBLS THIS WAS A CROSS LINK SAND FRAC HSM, SLIPS, TRIPS & FALLS, PU TBG MIRU, ND F/V, NU BOP, RU FLOOR & TBG EQUIP, SPOT TBG TRAILER, PU 3 7/8" BIT, PUMP OPEN SUB, 1.85" XN S/N, TALLY & PU TBG, PBTD @ 4,737' ((ISOLATION PLUG)), BTM PERF @ 4,715', RIH TAGGED @ 4,730', 15' PAST BTM PERF W/ 151 JTS 2 3/8" J-55 TBG, LD 1 JT, PU TBG HANGER & LAND TBG W/ 150 JTS 2 3/8", EOT 4,684.65'. RD P/S, FLOOR & TBG EQUIP, ND BOPS, NU WH, DROP BALL & PUMP OPEN BIT SUB, RD & ROAD RIG TO NBU 1022-3FT. TURN OVER TO SWAB CREW. KB= 15' 7 1/16" CAMERON HANGER= .83' TBG DELIVERED 151 JTS J-55 150 JTS 2 3/8" J-55= 4,664.85' TBG USED 150 JTS J-55 PUMP OPEN SUB & BIT= 3.97' TBG RETURNED 1 JTS J-55 EOT @ 4,684.65' SAFETY = JSA.
7/8/2013	7:00 - 7:15	0.25	RUNTBG	48		P		
	7:15 - 17:00	9.75	RUNTBG	33	D	P		
7/17/2013	7:00 - 7:15	0.25	DRLOUT	48		P		
	7:15 - 9:00	1.75	DRLOUT	30		P		RDMO NBU 307 - 6E. ROAD RIG TO LOCATION.

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	9:00 - 17:00	8.00	DRLOUT	30		P		SICP= 1000#. SITP= 1000#. MIRU. BLOW DOWN WELL. NDWH. NUBOP. X/O TO TBNG EQUIP. R/U FLOOR. UN-LAND WELL. P/U & RIH W/ 2JTS 2-3/8" J-55 TBNG. T/U @ 4737' PBD. L/D 2JTS USED TO T/U. MIRU HOT OILER. FLLUSH TBNG W/ 20BBLS HOT TMAC-SOLVENT MIXTURE. POOH W/ 150JTS 2-3/8" J-55 TBNG + POBS + BIT. L/D BIT & POBS. RIH W/ PRODUCTION TBNG AS FOLLOWS: KB = 15.00' HANGER = .83' 149JTS 2-3/8" J-55 Y-BND TBNG = 4640.72' PSN = 1.10' PERF SUB 2-3/8" J-55 = 4.06' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' H-F 2-3/8" PURGE VALVE = .63' EOT @ 4694.04' PSN @ 4656.55' LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH W/ B-1 ADAPTER. SWIFN. SAFETY = JSA.	
7/18/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SICP= 0#. SITP= 0#. MIRU HOT OILER. FLUSH TBNG W/ 25BBLS HOT TMAC-SOLVENT SOLUTION. P/U INSERT PUMP. PRIME / STROKE TEST PUMP GOOD. RIH W/ INSERT PUMP & ROD STRING AS FOLLOWS: 1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 58) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). ALL CPLNGS REPLACED. 6) 1-1/4" GRADE D WEIGHT BARS (NEW) 7/8" X 2.50' GRADE D GUIDED STABILIZER BAR. RH RELEASE BACK-OFF TOOL. =.63' 2 X 1-1/4" X 16' X 19' X 19' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3631. ALT BALLS & SEATS. SPACE OUT PUMP. SEAT PUMP. LOAD TBNG W/ 1BBLS TMAC. STROKE / PRESSURE TEST PUMP GOOD @ 1000#. R/U HYDRAULIC UNIT. SWI. RDMOL. NOTE: X/O SEVERAL ROD BOXES & CHASE ALL THREADS & PINS W/ CHASER WHILE RIH W/ ROD STRING.	
	7:15 - 15:00	7.75	DRLOUT	30		P		WELL TURNED TO SALES @ 1130 HR ON 7/22/2013. 0MCFD, 1152 BWPD, FCP 0#, FTP 0#, 0 CK. SAFETY = JSA.	
	15:00 - 15:00	0.00	DRLOUT	50				ROAD RIG TO LOCATION.	
8/20/2013	7:00 - 7:15	0.25	SUBSPR	48		P			
	7:15 - 8:30	1.25	SUBSPR	30		P			

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	8:30 - 11:30	3.00	SUBSPR	39		P		CP= 100#. TP= 100#. MIRU. R/D HYDRAULIC UNIT. UN-SEAT PUMP. MIRU HOT OILER & FLUSH RODS W/ 30 BBLS HOT TMAC. RDMO HOT OILER. POOH W/ ROD STRING AS FOLLOWS: 1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 58) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). ALL CPLNGS REPLACED. 6) 1-1/4" GRADE D WEIGHT BARS (NEW) 7/8" X 2.50' GRADE D GUIDED STABALIZER BAR. RH RELEASE BACK-OFF TOOL =.63' 2 X 1-1/4" X 16' X 19' X 19' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3631. ALT BALLS & SEATS. X/O TO TBNG EQUIP.	
	11:30 - 15:00	3.50	SUBSPR	31		P		NDWH. NUBOP. UN-LAND WELL. POOH W/ TBG AS FOLLOWS: 149JTS 2-3/8" J-55 Y-BND TBNG = 4640.72' PSN = 1.10' PERF SUB 2-3/8" J-55 = 4.06' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' H-F 2-3/8" PURGE VALVE = .63'	
	15:00 - 17:30	2.50	SUBSPR	34		P		R/D FLOOR. NDBOP. NUFV. MIRU WIRELINE. RIH W/ HAL 8K CBP. SET CBP @ 4418'. POOH W/ TOOLS. R/U PUMP LINES & PRESSURE TEST FRAC VALVES GOOD @ 3800 PSI FOR 30MIN. LOST 25 PSI. NO VISIBLE LEAKS ON VALVES OR WELLHEAD. RIH W/ PERF 3-3/8" PERF GUN, 23GM, .36 HOLE, 3SPF. PERF DOUGLAS CREEK AS PER PROCEDURE. POOH W/ TOOLS. RDMO WIRELINE	
8/21/2013	7:00 - 11:00	4.00	FRAC	36		P		HSM. MIRU FRAC EQUIP + PRESSURE TEST LINES GOOD @ 5000# FOR 15 MIN.	
	11:00 - 17:00	6.00	FRAC					FRAC DOUGLAS CREEK AS PER DESIGN. BRK DWN PERFS 2BPM @ 1809#. ISIP @ 730#. F.G. =.61. FINAL: ISIP 1226. FG .72. TTL CLEAN FLUID = 1146BBLS TTL PROPANT = 50,000#.	
8/22/2013	7:00 - 7:15	0.25	DRLOUT	48		P		SW. WAIT ON FLOWBACK CREW. SAFETY = JSA.	
	7:15 - 9:00	1.75	DRLOUT	30		P		LIGHT FLOW FROM WELL. REMOVE WASHINGTON HEAD & SPOOL PIECE FROM BOP'S. INSTALL BIRD BATH CATCH BASIN. RE-INSTALL WASHINGTON HEAD.	

US ROCKIES REGION									
Operation Summary Report									
Well: NBU 396					Spud Date:				
Project: UTAH-UINTAH			Site: NBU 396			Rig Name No: MONUMENT 24/24, MONUMENT 733/733			
Event: RECOMPL/RESEREVEADD			Start Date: 5/16/2013			End Date: 7/18/2013			
Active Datum: RKB @4,954.99usft (above Mean Sea Level)			UWI: NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation	
	9:00 - 13:30	4.50	DRLOUT	31		P		NDFV. NUBOP. R/U FLOOR. RIH W/ PRODUCTION TBNG AS FOLLOWS: KB = 15.00' HANGER = .83' 136JTS 2-3/8" J-55 Y-BND TBNG = 4234.99' PSN = 1.10' 1JT 2-3/8" J-55 Y-BND TBNG = 31.70' NOTCHED COLLAR = .63' EOT @ 4284.25' PSN @ 4250.82" LAND WELL ON HANGER. R/D FLOOR. NDBOP. NUWH. X/O TO ROD EQUIP.	
	13:30 - 18:00	4.50	DRLOUT	39		P		P/U INSERT PUMP. PRIME / STROKE TEST PUMP GOOD. RIH W/ INSERT PUMP & ROD STRING AS FOLLOWS: 1-1/4" X 26' SPRAY METAL POLISHED ROD (USED) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 2' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 7/8" X 6' GRADE D SLK PONY (NEW) 7/8" X 8' GRADE D SLK PONY (NEW) 41) 7/8" GRADE D SLK SUCKER ROD W/ SLIM HOLE SOFT BOX CPLNG (USED). 120) 3/4" GRADE D SLK SUCKER ROD W/ SOFT BOX CPLNG (USED). 6) 1-1/4" GRADE D WEIGHT BARS (USED) 7/8" X 2.50' GRADE D GUIDED STABALIZER BAR. RH RELEASE BACK-OFF TOOL. =.63' 2 X 1-1/4" X 16' X 19' X 21' THD INSERT PUMP W/ SCREEN NIPPLE. RHAC. PUMP #3689. ALT BALLS & SEATS. SPACE OUT PUMP. SEAT PUMP. STROKE / PRESSURE TEST PUMP GOOD @ 1000#. R/U HYDRAULIC UNIT. R/D RIG. PREP FOR RIG MOVE IN THE AM. SDFN. BRING WELL ON LINE.	

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 396	Wellbore No.	OH
Well Name	NBU 396	Wellbore Name	NBU 396
Report No.	3	Report Date	8/20/2013
Project	UTAH-UINTAH	Site	NBU 396
Rig Name/No.		Event	RECOMPL/RESEREVEADD
Start Date	5/16/2013	End Date	7/18/2013
Spud Date		Active Datum	RKB @4,954.99usft (above Mean Sea Level)
UWI	NE/0/0/9/S/21/E/33/0/0/6/PM/N/482.00/W/0/1,765.00/0/0		

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	4,217.0 (usft)-4,225.0 (usft)	Start Date/Time	8/20/2013 12:00AM
No. of Intervals	1	End Date/Time	8/20/2013 12:00AM
Total Shots	24	Net Perforation Interval	8.00 (usft)
Avg Shot Density	3.00 (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
8/20/2013 12:00AM	GREEN RIVER/			4,217.0	4,225.0	3.00		0.410	EXP/	3.125	120.00		19.00	PRODUCTIO N	