

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		5. Lease Serial No. UTU-01567-A
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 checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name UTE TRIBE
2. Name of Operator WESTPORT OIL & GAS COMPANY L.P.		7. If Unit or CA Agreement, Name and No. NATURAL BUTTES
3A. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078		8. Lease Name and Well No. NBU 920-20N
3b. Phone No. (include area code) 435-781-7060		9. API Well No. 43-047-37759
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SESW 803' FSL 1885' FWL 611555X 40. 015864 At proposed prod. Zone 4430126Y -109. 692872		10. Field and Pool, or Exploratory NATURAL BUTTES
14. Distance in miles and direction from nearest town or post office* 5.5 MILES SOUTH OF OURAY, UTAH		11. Sec., T., R., M., or Blk, and Survey or Area SEC 20-T9S-R20E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 803'	16. 160 160	12. County or Parish UINTAH
17. Spacing Unit dedicated to this well 40	13. State UTAH	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C	19. Proposed Depth 10600'	20. BLM/BIA Bond No. on file BIA #RLB0005239
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4761.9' 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 <i>Debra Domenici</i>	Name (Printed/Typed) DEBRA DOMENICI	Date 2/8/2006
Title ASSOCIATE ENVIRONMENTAL ANALYST		
Approved by (Signature) <i>Bradley G. Hill</i>	Name (Printed/Typed) BRADLEY G. HILL	Date 03-06-06
Title ENVIRONMENTAL MANAGER		

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

Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

**Federal Approval of this  
Action is Necessary**

RECEIVED

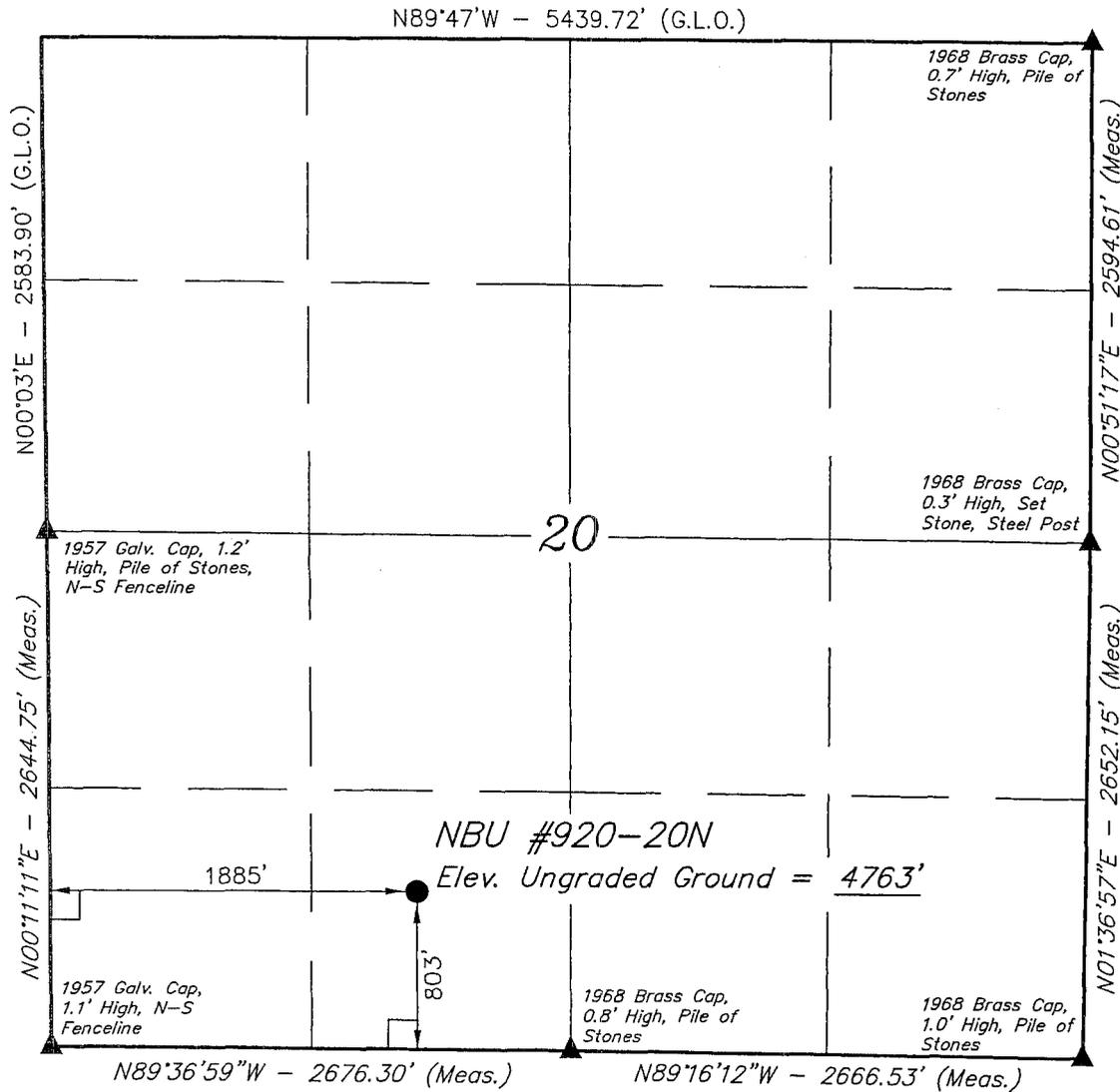
FEB 14 2006

DIV. OF OIL, GAS & MINING

# T9S, R20E, S.L.B.&M.

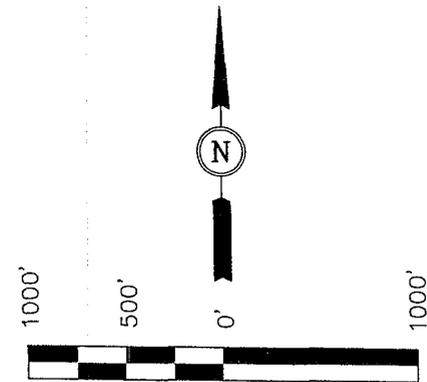
## Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #920-20N, located as shown in the SE 1/4 SW 1/4 of Section 20, T9S, R20E, S.L.B.&M. Uintah County, Utah.



### BASIS OF ELEVATION

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



### SCALE 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.

*John A. Hays*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

Revised: 1-15-06

### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.

### LEGEND:

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

(NAD 83)  
 LATITUDE = 40°00'57.36" (40.015933)  
 LONGITUDE = 109°41'36.88" (109.693578)  
 (NAD 27)  
 LATITUDE = 40°00'57.49" (40.015969)  
 LONGITUDE = 109°41'34.38" (109.692883)

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

SCALE 1" = 1000'	DATE SURVEYED: 11-23-05	DATE DRAWN: 12-15-05
PARTY D.K. L.K. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 920-20N  
 SESW SEC 20-T9S-R20E  
 UINTAH COUNTY, UTAH  
 LEASE NUMBER: UTU-01567-A

ONSHORE ORDER NO. 1  
 WESTPORT OIL & GAS COMPANY

*DRILLING PROGRAM*

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

<u>Formation</u>	<u>Depth</u>
Green River	2000'
Wasatch	5500'
Mesaverde	8600'
Total Depth	10600'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	2000'
Gas	Wasatch	5500'
Gas	Mesaverde	8600'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment:**

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

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

*Please see the Natural Buttes Unit SOP.*

Please refer to the attached Drilling Program.

5. **Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

6. **Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure at 10600' TD approximately equals 6572 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4240 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates & Notification of Operations:**

*Please see the Natural Buttes Unit SOP.*

9. **Variances:**

*Please see the Natural Buttes Unit SOP.*

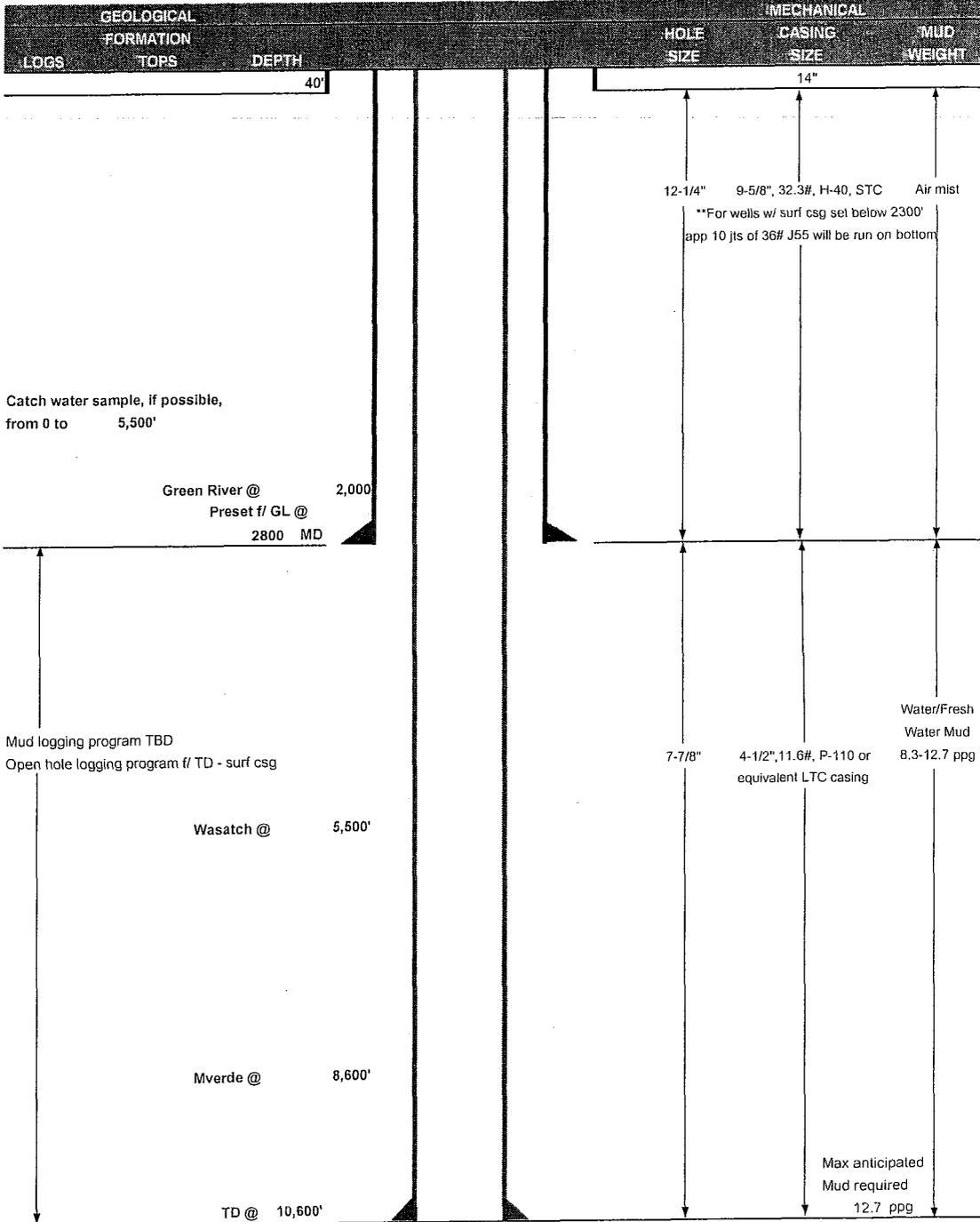
10. **Other Information:**

*Please see the Natural Buttes Unit SOP.*



## Kerr-McGee Oil & Gas Onshore LP DRILLING PROGRAM

COMPANY NAME	Westport Oil and Gas Co., L.P.	DATE	January 17, 2006			
WELL NAME	<b>NBU 920-20N</b>	TD	10,600'	MD/TVD		
FIELD	Natural Buttes	COUNTY	Uintah	STATE	Utah	
SURFACE LOCATION	SESW SECTION 20-T9S-R20E 803'FSL & 1855'FWL		ELEVATION	4,763' GL	KB 4,778'	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		Latitude:	40.015933	Longitude:	109.693578
ADDITIONAL INFO	Regulatory Agencies: TRIBAL SURFACE & BLM MINERALS, UDOGM, TRI-COUNTY HEALTH DEPT.					





**Kerr-McGee Oil & Gas Onshore LP  
DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL		WT.	GR.	CPLG.	DESIGN FACTORS		
							BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'					2270	1370	254000
SURFACE	9-5/8"	0	to 2400	32.30	H-40	STC	0.49*****	1.22	3.21
			2400 to 2800				36.00	J-55	STC
PRODUCTION	4-1/2"	0	to 10600	11.60	P-110	LTC	10690	7560	279000
									2.29

1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)  
 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)  
 (Burst Assumptions: TD = 12.7 ppg) .22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
 MASP 4668 psi  
 \*\*\*\*\* Burst SF is low but csg is stronger than formation at 2800 feet  
 \*\*\*\*\* EMW @ 2800 for 2270# is 15.6 ppg or 0.8 psi/ft

**CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD	
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18	
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18	
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
SURFACE Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized							
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82	
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18	
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
PRODUCTION	LEAD	5,000'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	550	60%	11.00	3.38	
	TAIL	5,600'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1570	60%	14.30	1.31	

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained  
 \*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

**FLOAT EQUIPMENT & CENTRALIZERS**

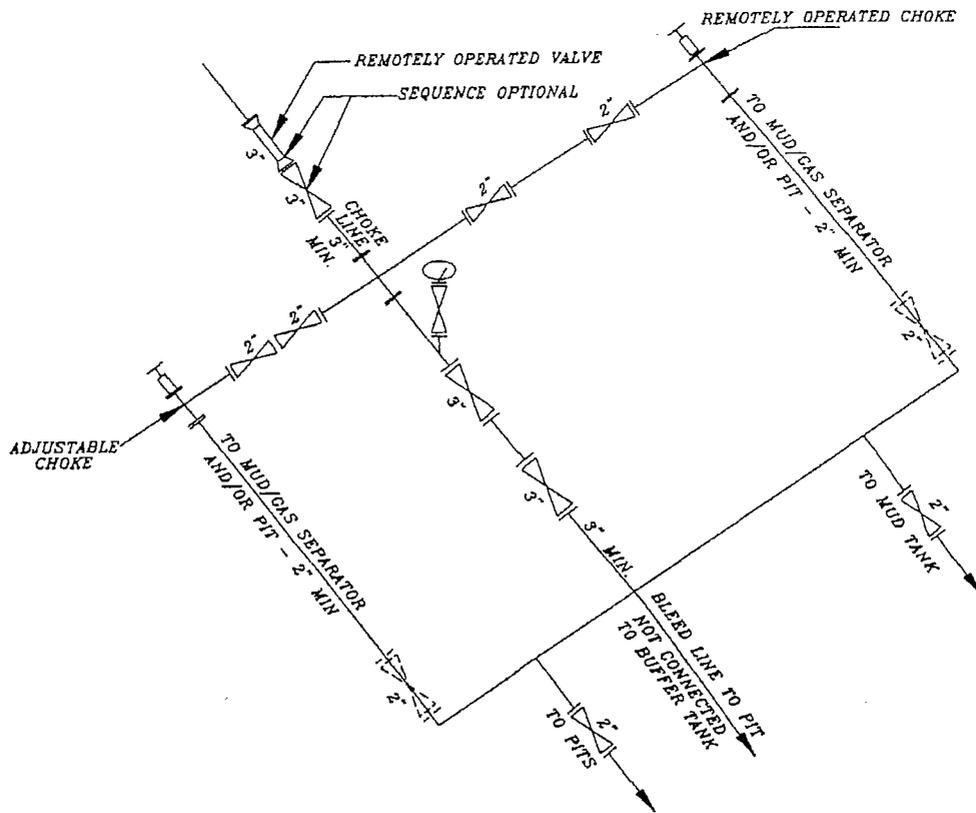
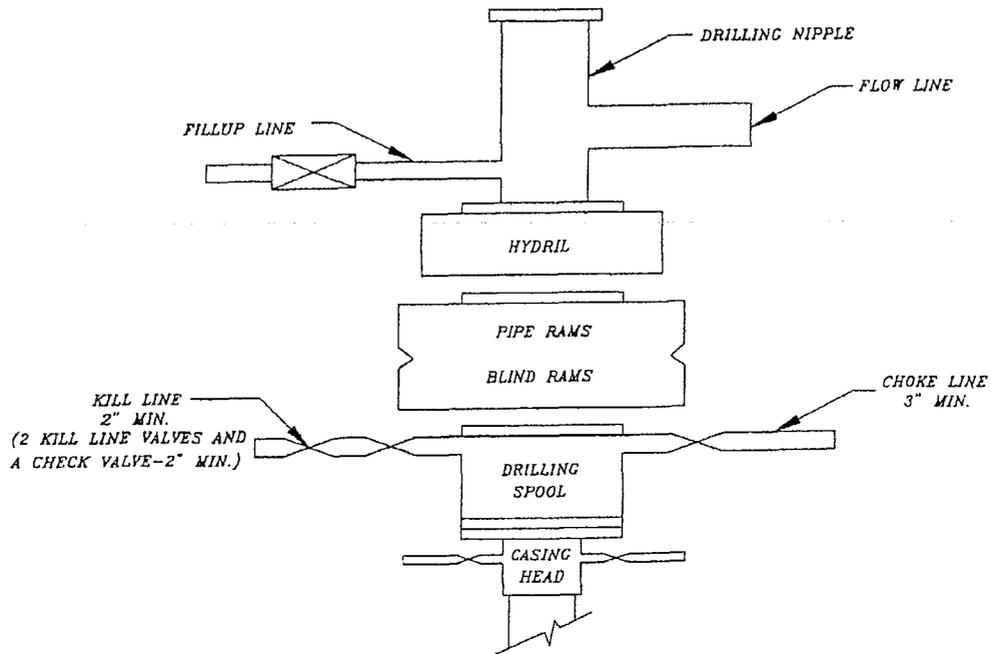
SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

**ADDITIONAL INFORMATION**

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.  
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 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.  
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.  
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Brad Laney  
 DRILLING SUPERINTENDENT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Randy Bayne

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 920-20N  
SESW SEC 20-T9S-R20E  
UINTAH COUNTY, UTAH  
LEASE NUMBER: UTU-01567-A

ONSHORE ORDER NO. 1

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

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

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

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 Unit SOP.*

6. **Source of Construction Materials**

*Please see the Natural Buttes Unit SOP.*

7. **Methods of Handling Waste Materials**

*Please see the Natural Buttes Unit 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 in lieu of filing Form 3160-5 after initial production).*

8. **Ancillary Facilities**

*Please see the Natural Buttes Unit 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).

Culvert(s) are to be installed as needed.

A run off diversion for drainage will be constructed as needed.

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

The reserve pit will be lined. When the reserve pit is closed, the pit liner will be buried below plow depth.

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

*Please see the Natural Buttes Unit SOP.*

11. **Surface Ownership:**

Ute Indian Tribe  
P.O. Box 70  
Fort Duchesne, Utah 84026  
(435)-722-5141

12. **Other Information:**

A Class III archaeological survey has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site.

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

Debra Domenici  
Associate Environmental Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7060

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435)781-7018

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

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

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under terms and conditions of the lease for the operations conducted Upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Kerr-McGee Oil & Gas Onshore LP Bond #N-2115, BLM Nationwide Bond # CO-1203, and BIA Nationwide Bond # RLB0005239.

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.

  
Debra Domenici

2/8/06  
Date

Kerr-McGee Oil & Gas Onshore LP  
NBU #920-20N  
SECTION 20, T9S, R20E, 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 4.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS FOR THE #920-20J TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED #920-20J AND THE BEGINNING OF THE PROPOSED ACCESS FOR THE #920-200 TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED #920-20J AND THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF A RE-HABED ROAD TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 300' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 36.4 MILES.

# Kerr-McGee Oil & Gas Onshore LP

NBU #920-20N

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 20, T9S, R20E, S.L.B.&M.

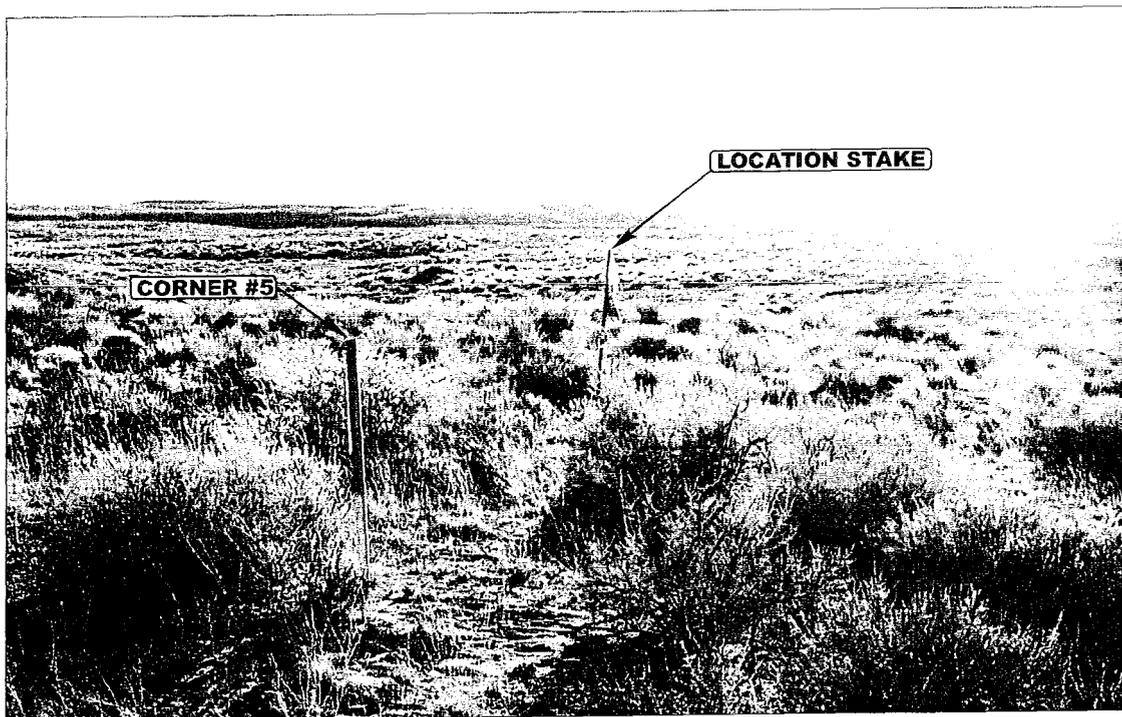


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHWESTERLY

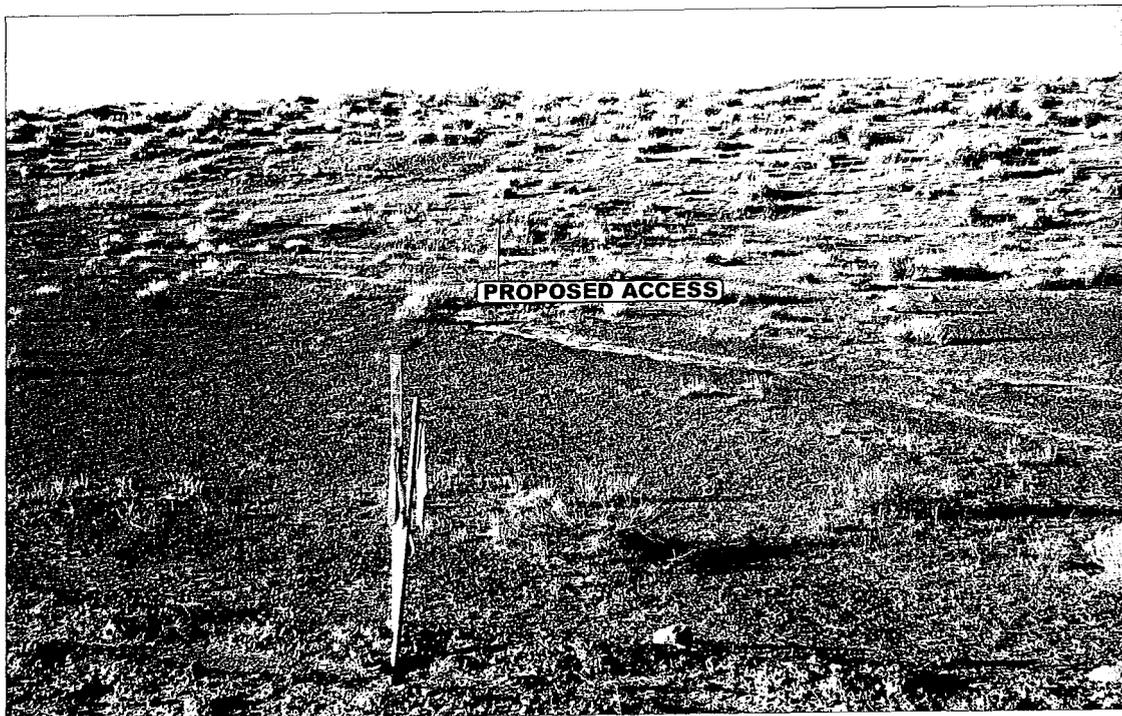


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

12 01 05  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: L.K.

REVISED: 01-16-06

# Kerr-McGee Oil & Gas Onshore LP

NBU #920-20N  
PIPELINE ALIGNMENT  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 20, T9S, R20E, S.L.B.&M.

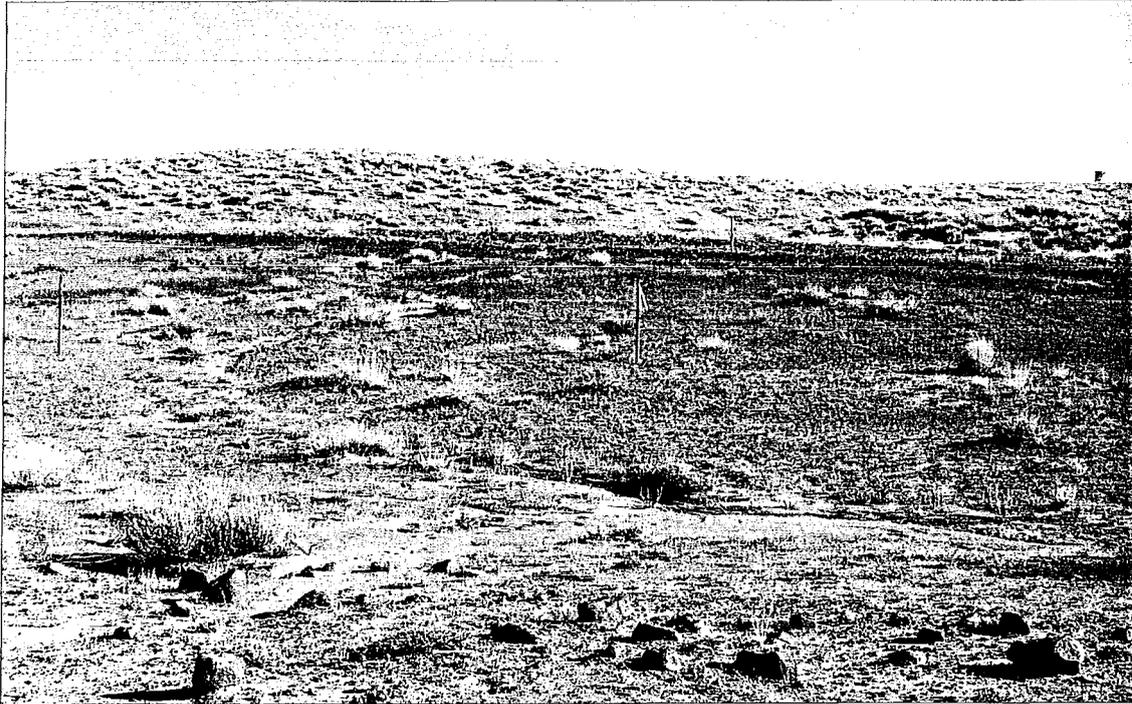


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHEASTERLY

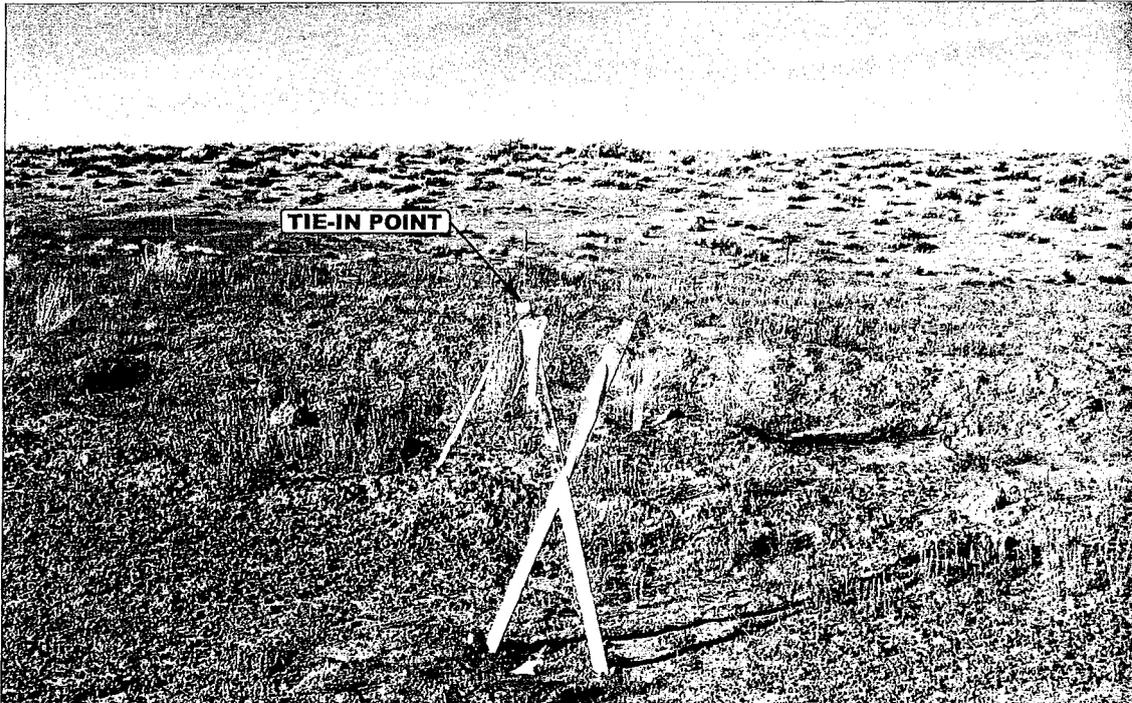


PHOTO: VIEW FROM TIE-IN POINT

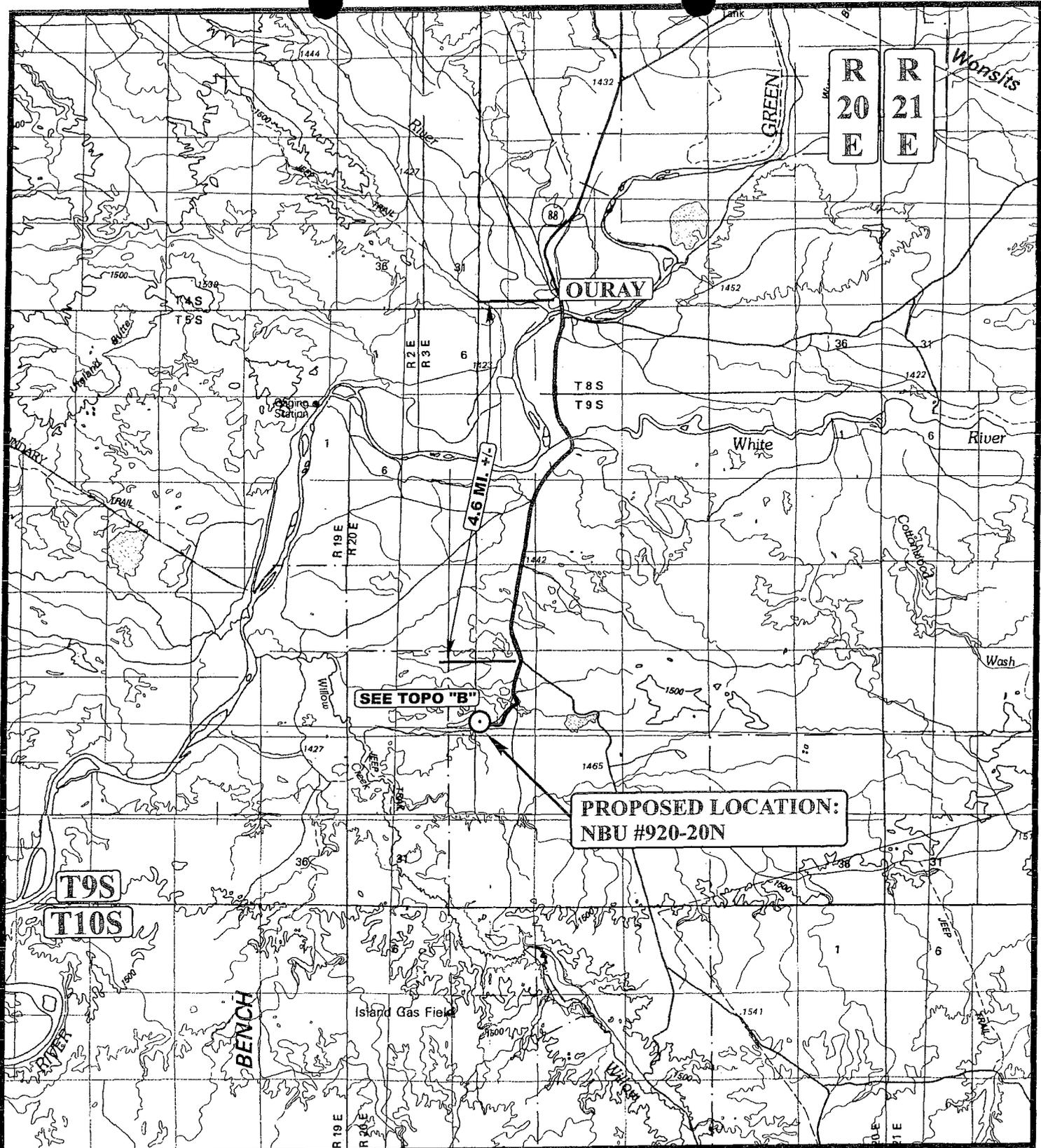
CAMERA ANGLE: NORTHWESTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS	12	01	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: L.K.	REVISED: 01-16-06		



**LEGEND:**

○ PROPOSED LOCATION



**Kerr-McGee Oil & Gas Onshore LP**

NBU #920-20N

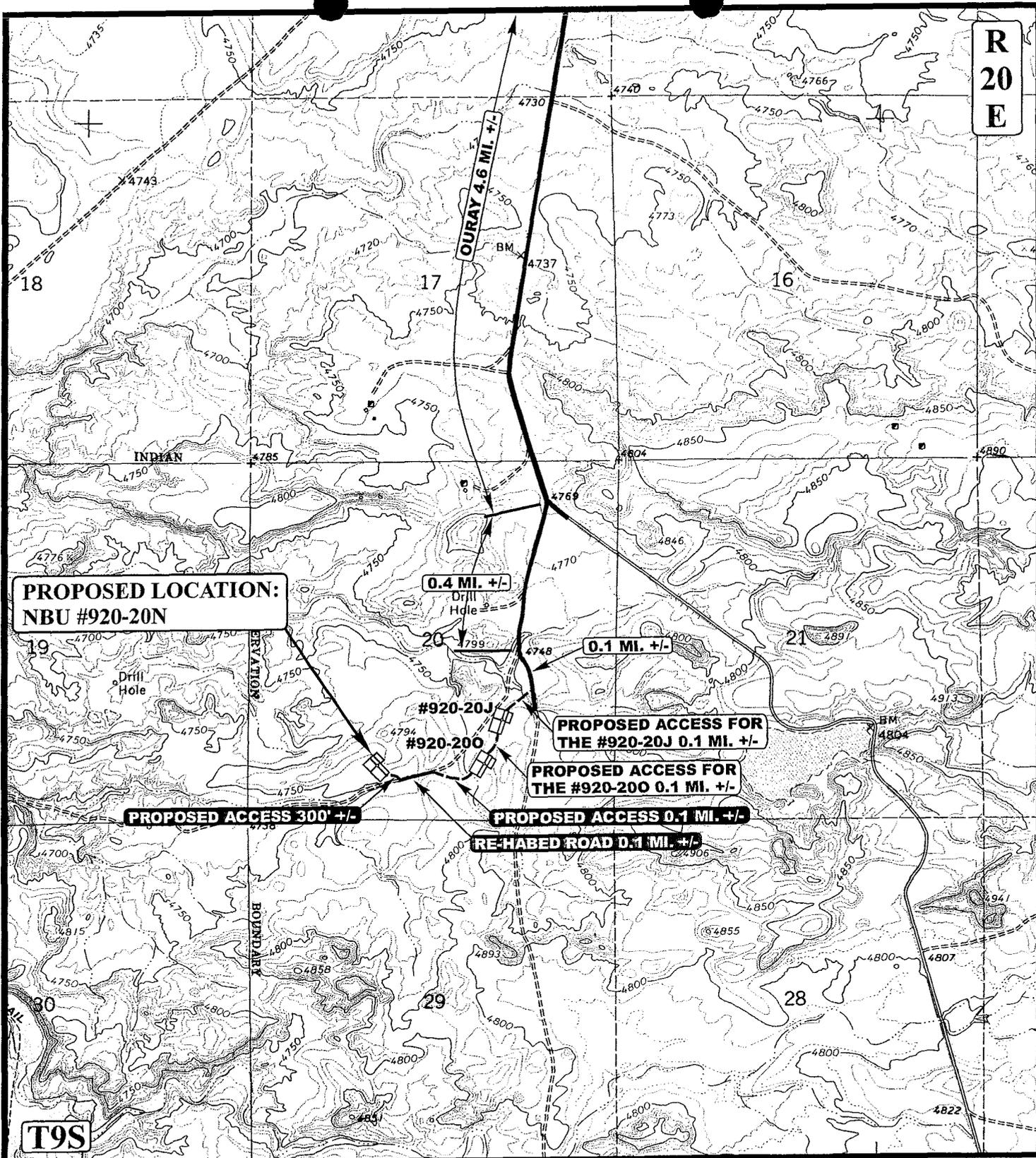
SECTION 20, T9S, R20E, S.L.B.&M.

803' FSL 1885' FWL



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

TOPOGRAPHIC	12	01	05	
MAP	MONTH	DAY	YEAR	
SCALE: 1:100,000	DRAWN BY: L.K.		REVISED: 01-16-06	TOPO



**R  
20  
E**

**PROPOSED LOCATION:  
NBU #920-20N**

**0.4 MI. +/-**

**0.1 MI. +/-**

**PROPOSED ACCESS FOR  
THE #920-20J 0.1 MI. +/-**

**PROPOSED ACCESS FOR  
THE #920-200 0.1 MI. +/-**

**PROPOSED ACCESS 300' +/-**

**PROPOSED ACCESS 0.1 MI. +/-**

**RE-HABED ROAD 0.1 MI. +/-**

**T9S**

**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



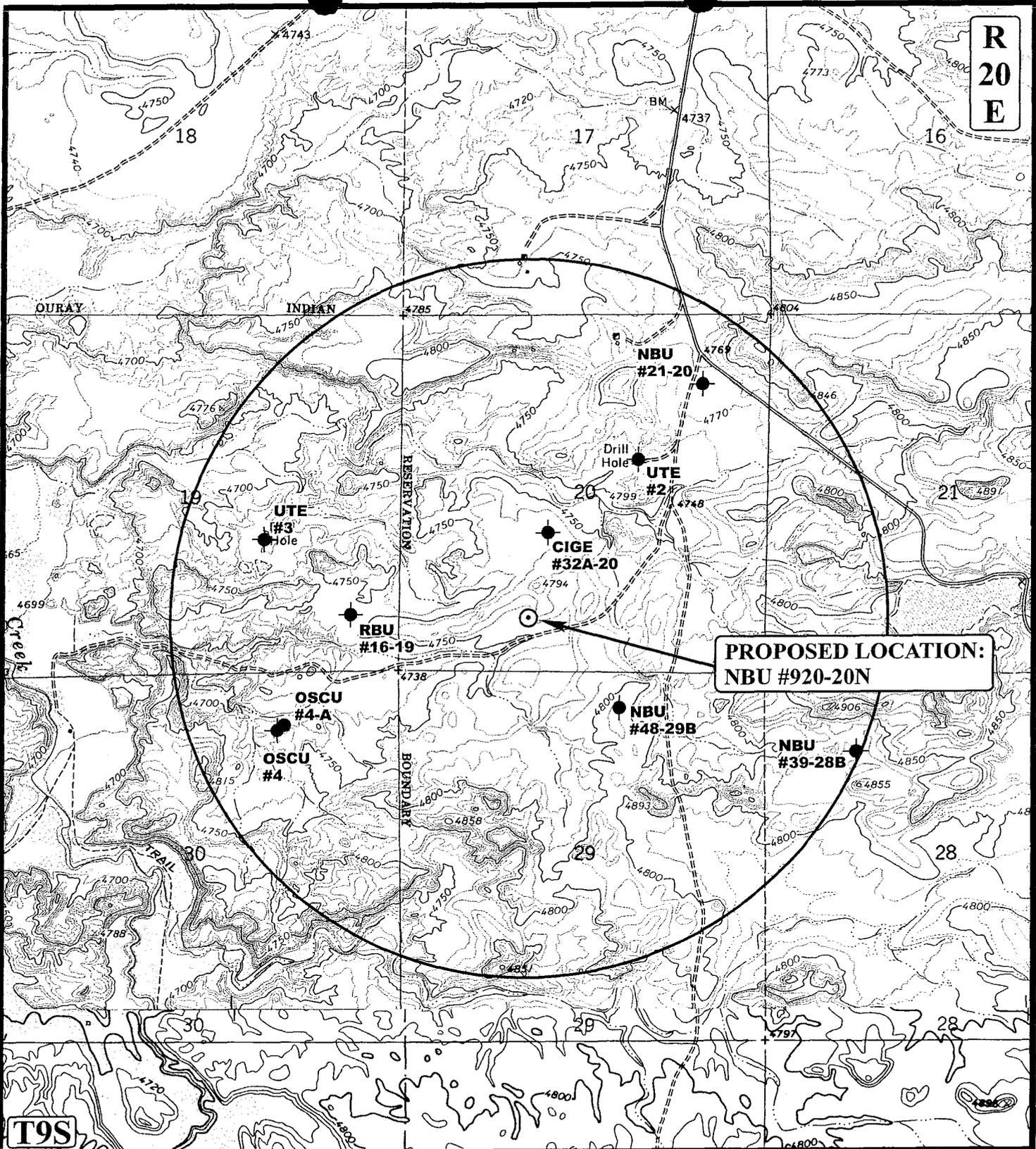
**Kerr-McGee Oil & Gas Onshore LP**  
**NBU #920-20N**  
**SECTION 20, T9S, R20E, S.L.B.&M.**  
**803' FSL 1885' FWL**



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

<b>TOPOGRAPHIC MAP</b>	<b>12</b>	<b>01</b>	<b>05</b>
	<small>MONTH</small>	<small>DAY</small>	<small>YEAR</small>
<small>SCALE: 1" = 2000'</small>		<small>DRAWN BY: L.K.</small>	<small>REVISED: 01-16-06</small>

**B  
TOPO**



**R  
20  
E**

**PROPOSED LOCATION:  
NBU #920-20N**

**T9S**

**LEGEND:**

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

**Kerr-McGee Oil & Gas Onshore LP**

**NBU #920-20N  
SECTION 20, T9S, R20E, S.L.B.&M.  
803' FSL 1885' FWL**

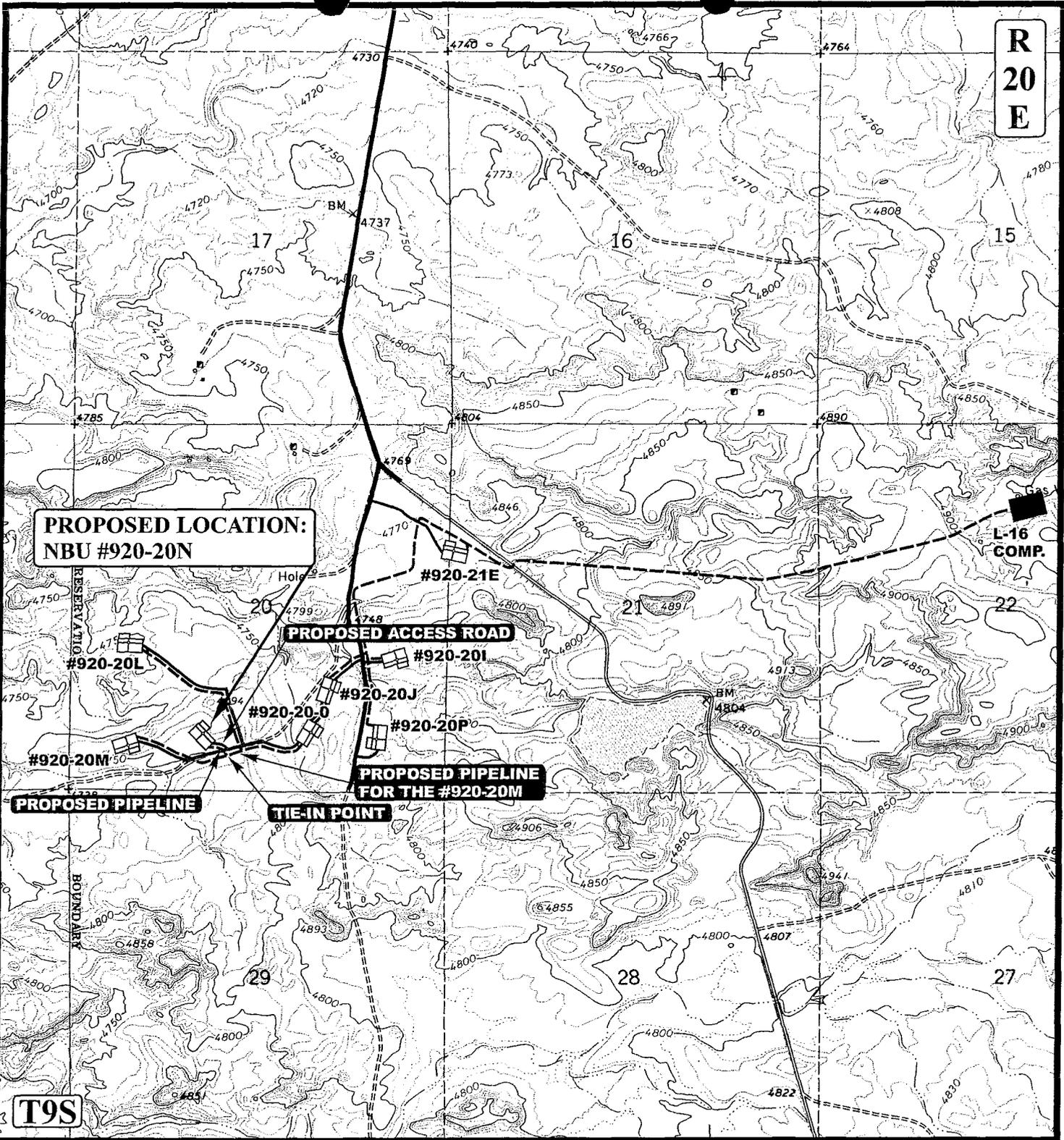


**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP**  
12 01 05  
MONTH DAY YEAR  
SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 01-16-06





**PROPOSED LOCATION:  
NBU #920-20N**

**PROPOSED ACCESS ROAD**

**PROPOSED PIPELINE  
FOR THE #920-20M**

**PROPOSED PIPELINE**

**TIE-IN POINT**

**R  
20  
E**

**T9S**

**APPROXIMATE TOTAL PIPELINE DISTANCE = 318' +/-**

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  RE-HABED ROAD
-  PROPOSED PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)



**Kerr-McGee Oil & Gas Onshore LP**

**NBU #920-20N**

**SECTION 20, T9S, R20E, S.L.B.&M.**

**803' FSL 1885' FWL**



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

**TOPOGRAPHIC  
MAP**

**12 01 05**  
 MONTH DAY YEAR

SCALE: 1" = 2000' | DRAWN BY: L.K. | REVISED: 01-16-06





# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

## TYPICAL CROSS SECTIONS FOR

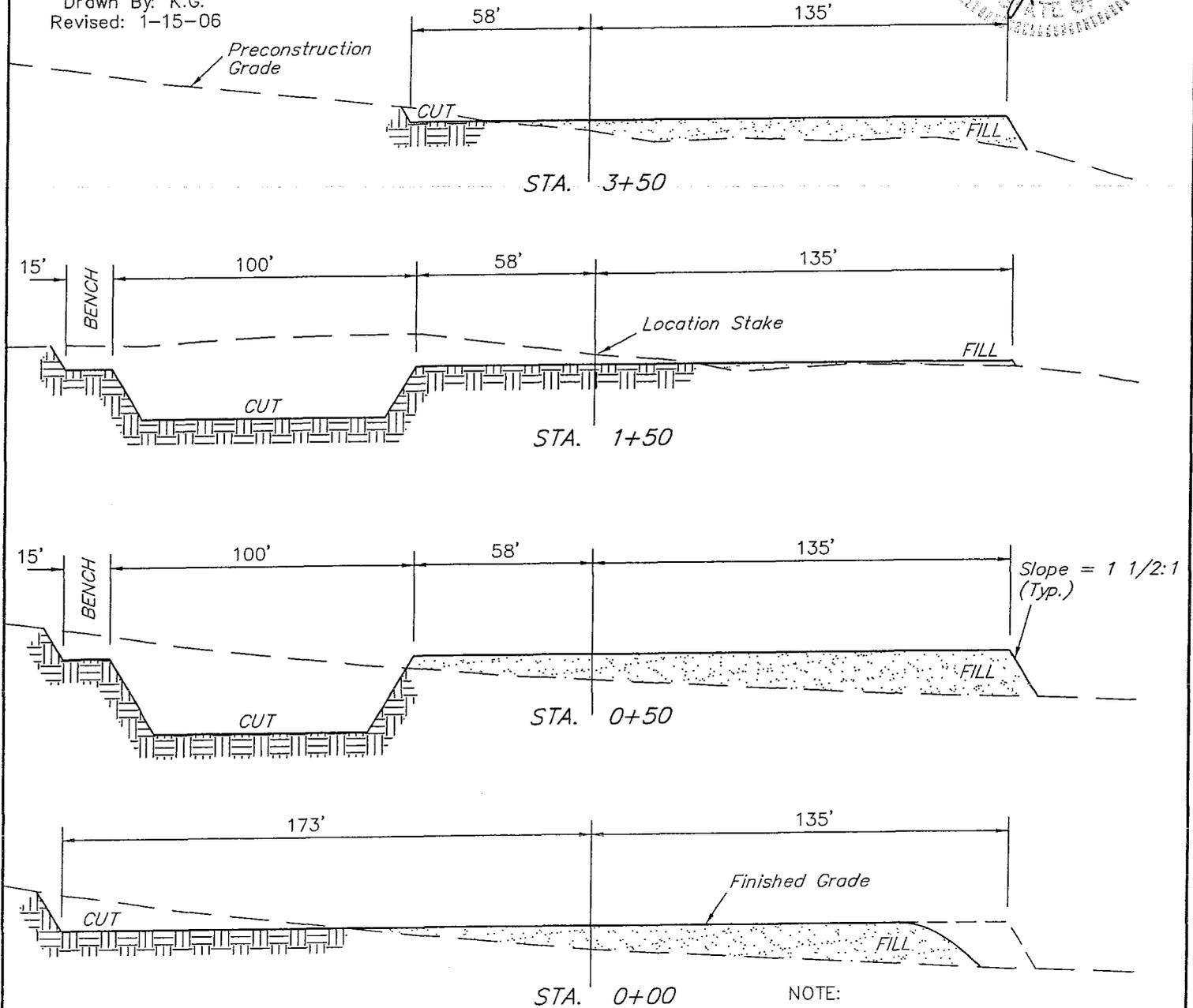
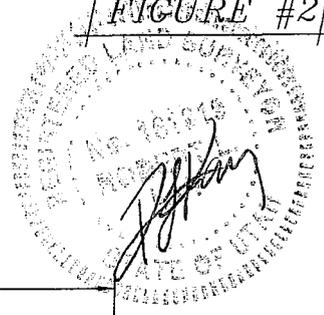
NBU #920-20N

SECTION 20, T9S, R20E, S.L.B.&M.

803' FSL 1885' FWL

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

DATE: 12-15-05  
Drawn By: K.G.  
Revised: 1-15-06



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

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

CUT	
(12") Topsoil Stripping	= 3,650 Cu. Yds.
Remaining Location	= 7,750 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 11,400 CU.YDS.</b>
<b>FILL</b>	<b>= 5,610 CU.YDS.</b>

EXCESS MATERIAL	= 5,790 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 5,790 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 02/14/2006

API NO. ASSIGNED: 43-047-37759

WELL NAME: NBU 920-20N  
 OPERATOR: WESTPORT OIL & GAS CO ( N2115 )  
 CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:

SESW 20 090S 200E  
 SURFACE: 0803 FSL 1885 FWL  
 BOTTOM: 0803 FSL 1885 FWL  
 COUNTY: UINTAH  
 LATITUDE: 40.01586 LONGITUDE: -109.6929  
 UTM SURF EASTINGS: 611555 NORTHINGS: 4430126  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-01567-A  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0005239 )
- 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)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

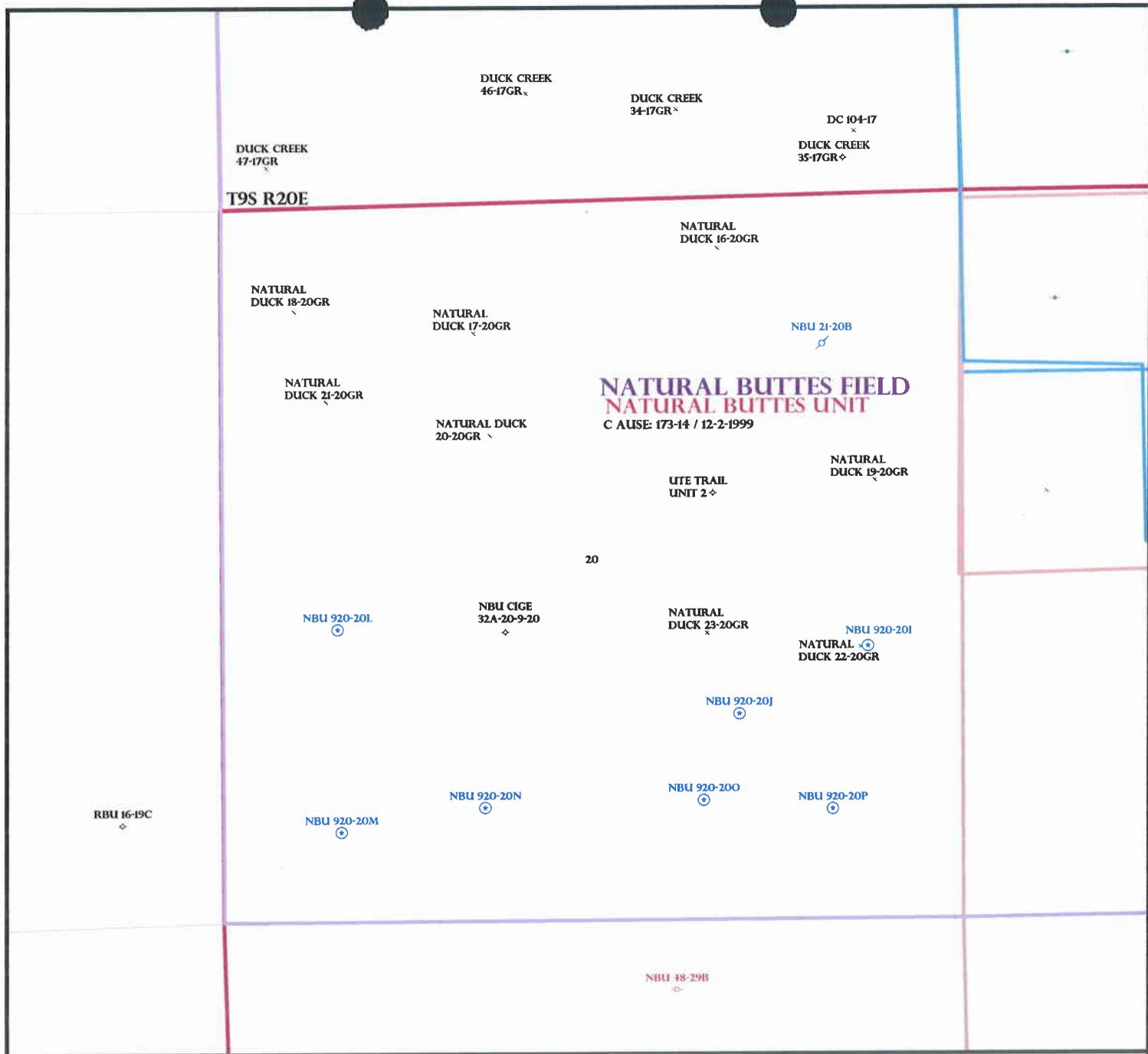
- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 173-14  
Eff Date: 12-2-99  
Siting: 400' fr u bdr & uncomm. tract
- R649-3-11. Directional Drill

COMMENTS:

(See Separate file)

STIPULATIONS:

1- Federal Approval  
2- OIL SHALE



OPERATOR: WESTPORT O&G CO (N2115)

SEC: 20 T. 9S R. 20E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

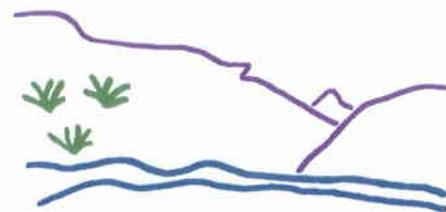
C AUSE: 173-14 / 12-2-1999

- Field Status**
- ABANDONED
  - ACTIVE
  - COMBINED
  - INACTIVE
  - PROPOSED
  - STORAGE
  - TERMINATED

- Unit Status**
- EXPLORATORY
  - GAS STORAGE
  - NF PP OIL
  - NF SECONDARY
  - PENDING
  - PI OIL
  - PP GAS
  - PP GEOTHERML
  - PP OIL
  - SECONDARY
  - TERMINATED

**Wells Status**

- ⊕ GAS INJECTION
- ⊕ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ⊕ PLUGGED & ABANDONED
- ⊕ PRODUCING GAS
- ⊕ PRODUCING OIL
- ⊕ SHUT-IN GAS
- ⊕ SHUT-IN OIL
- ⊕ TEMP. ABANDONED
- ⊕ TEST WELL
- ⊕ WATER INJECTION
- ⊕ WATER SUPPLY
- ⊕ WATER DISPOSAL
- ⊕ DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
DATE: 16-FEBRUARY-2006

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

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

IN REPLY REFER TO:  
3160  
(UT-922)

March 2, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch-MesaVerde)

43-047-37738	NBU 1022-19F	Sec 19 T10S R22E 2239 FNL 1622 FWL
43-047-37739	NBU 1022-19D	Sec 19 T10S R22E 0732 FNL 0640 FWL
43-047-37740	NBU 1022-19C	Sec 19 T10S R22E 0896 FNL 1891 FWL
43-047-37765	NBU 1022-16J	Sec 16 T10S R22E 2302 FSL 1901 FEL
43-047-37766	NBU 1022-16P	Sec 16 T10S R22E 0724 FSL 0973 FEL
43-047-37767	NBU 1022-16L	Sec 16 T10S R22E 1904 FSL 0343 FWL
43-047-37768	NBU 1022-18H	Sec 18 T10S R22E 1947 FNL 0465 FEL
43-047-37769	NBU 1022-18G	Sec 18 T10S R22E 1870 FNL 1383 FEL
43-047-37770	NBU 1022-18I	Sec 18 T10S R22E 1592 FSL 0803 FEL
43-047-37771	NBU 1022-18E	Sec 18 T10S R22E 1656 FNL 0606 FWL
43-047-37772	NBU 1022-18J	Sec 18 T10S R22E 2158 FSL 2171 FEL
43-047-37773	NBU 1022-18N	Sec 18 T10S R22E 0125 FSL 1249 FWL
43-047-37774	NBU 1022-18B	Sec 18 T10S R22E 0818 FNL 2040 FEL
43-047-37775	NBU 1022-18P	Sec 18 T10S R22E 0169 FSL 0249 FEL
43-047-37776	NBU 1022-18D	Sec 18 T10S R22E 0765 FNL 0311 FWL
43-047-37777	NBU 1022-18O	Sec 18 T10S R22E 0134 FSL 2445 FEL
43-047-37783	NBU 1022-19K	Sec 19 T10S R22E 1509 FSL 1427 FWL
43-047-37778	NBU 1022-19H	Sec 19 T10S R22E 2298 FNL 1086 FEL
43-047-37779	NBU 1022-19B	Sec 19 T10S R22E 0696 FNL 2180 FEL
43-047-37780	NBU 1022-19G	Sec 19 T10S R22E 2069 FNL 2241 FEL
43-047-37781	NBU 1022-19I	Sec 19 T10S R22E 2135 FSL 0460 FEL
43-047-37782	NBU 1022-19O	Sec 19 T10S R22E 0740 FSL 2065 FEL
43-047-37734	NBU 1021-27E	Sec 27 T10S R21E 1862 FNL 0535 FWL
43-047-37728	NBU 1021-28G	Sec 28 T10S R21E 1952 FNL 1971 FEL
43-047-37721	NBU 1021-13C	Sec 13 T10S R21E 0576 FNL 1772 FWL
43-047-37722	NBU 1021-13A	Sec 13 T10S R21E 0651 FNL 1311 FEL

Page 2

43-047-37723	NBU 1021-13G	Sec 13	T10S	R21E	1444	FNL	2651	FEL
43-047-37724	NBU 1021-13K	Sec 13	T10S	R21E	1935	FSL	1486	FWL
43-047-37725	NBU 1021-13I	Sec 13	T10S	R21E	2353	FSL	0668	FEL
43-047-37727	NBU 1021-13O	Sec 13	T10S	R21E	0777	FSL	1573	FEL
43-047-37761	NBU 920-20P	Sec 20	T09S	R20E	0769	FSL	0978	FEL
43-047-37760	NBU 920-20O	Sec 20	T09S	R20E	0842	FSL	1913	FEL
43-047-37759	NBU 920-20N	Sec 20	T09S	R20E	0803	FSL	1885	FWL
43-047-37758	NBU 920-20M	Sec 20	T09S	R20E	0630	FSL	0838	FWL
43-047-37757	NBU 920-20L	Sec 20	T09S	R20E	2104	FSL	0827	FWL
43-047-37756	NBU 920-20J	Sec 20	T09S	R20E	1466	FSL	1653	FEL
43-047-37755	NBU 920-20I	Sec 20	T09S	R20E	1955	FSL	0717	FEL
43-047-37732	NBU 920-22E	Sec 22	T09S	R20E	2009	FNL	0756	FWL
43-047-37764	NBU 920-24M	Sec 24	T09S	R20E	0614	FSL	0851	FWL
43-047-37753	NBU 920-14M	Sec 14	T09S	R20E	0536	FSL	0612	FWL
43-047-37754	NBU 920-14N	Sec 14	T09S	R20E	0732	FSL	1805	FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

March 6, 2006

Westport Oil & Gas Company, LP  
1368 South 1200 East  
Vernal, UT 84078

Re: Natural Buttes Unit 920-20N Well, 803' FSL, 1885' FWL, SE SW, Sec. 20,  
T. 9 South, R. 20 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 43-047-37759.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Westport Oil & Gas Company, LP  
**Well Name & Number** Natural Buttes Unit 920-20N  
**API Number:** 43-047-37759  
**Lease:** UTU-01567-A

**Location:** SE SW                      **Sec.** 20                      **T.** 9 South                      **R.** 20 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.

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

<b>ROUTING</b>
1. DJJ
2. CDW

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

Operator Name Change/Merger

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

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

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

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

**DATA ENTRY:**

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

**BOND VERIFICATION:**

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

**LEASE INTEREST OWNER NOTIFICATION:**

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

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

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

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

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

**RECEIVED**  
**MAY 10 2006**

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

**APPROVED 5/16/06**

DIV. OF OIL, GAS & MINING

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

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

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

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

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

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

6. If Indian, Allottee or Tribe Name

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

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

9. API Well No.

10. Field and Pool, or Exploratory Area

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

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

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

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

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

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

RECEIVED  
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

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

THIS SPACE FOR FEDERAL OR STATE USE

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

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



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

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

#### Merger/Name Change - Recognized

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

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

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

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

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

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

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

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

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

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

**Attachment:**

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

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

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior



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

IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

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

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

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

RECEIVED

MAR 28 2006

DIV. OF OIL, GAS & MINERAL

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No.  
UTU-01567-A

6. If Indian, Allottee or Tribe Name  
UTE TRIBE

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

8. Well Name and No.  
NBU 920-20N

9. API Well No.  
4304737759

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  
 KERR MCGEE OIL AND GAS ONSHORE LP

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

3b. Phone No. (include area code)  
 435-781-7003

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 803' FSL 1885' FWL  
 SESW, SEC 20-T9S-R20E

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other APD EXTENSION
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	DOG M _____
	<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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING BY THE 6, 2006.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-21-07  
 By: *[Signature]*

COPY SENT TO OPERATOR  
 Date: 2-22-07  
 Initials: *[Signature]*

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

Name (Printed/Typed) RAMEY HOOPES	Title REGULATORY CLERK
Signature <i>Ramey Hoopes</i>	Date FEBURARY 12, 2007

THIS SPACE FOR FEDERAL OR STATE USE

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

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

(Instructions on reverse)

**RECEIVED**  
FEB 20 2007

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304737759  
**Well Name:** NBU 920-20N  
**Location:** SESW, SEC 20-T9S-R20E  
**Company Permit Issued to:** KERR MCGEE OIL AND GAS ONSHORE LP  
**Date Original Permit Issued:** 3/6/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

Ramey Hoopes  
Signature

2/12/2007  
Date

**Title:** Regulatory Clerk

**Representing:** Kerr McGee Oil & Gas Onshore LP

RECEIVED

FEB 20 2007

DIV. OF OIL, GAS & MINING

RECEIVED

FEB 09 2006

Form 3160-3  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

BLM VERNAL UTAH  
FORM APPROVED  
OMB No. 1094-0166  
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

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

5. Lease Serial No.  
UTU-01567-A  
6. If Indian, Allottee or Tribe Name  
UTE TRIBE  
7. If Unit or CA Agreement, Name and No.  
NATURAL BUTTES  
8. Lease Name and Well No.  
NBU 920-20N

KERR MCGEE O&G ONSHORE LP

9. API Well No.  
43-047-37759  
10. Field and Pool, or Exploratory  
NATURAL BUTTES  
11. Sec., T., R., M., or B/k, and Survey or Area  
SEC 20-T9S-R20E

3A. Address  
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078  
3b. Phone No. (include area code)  
435-781-7060

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface SESW 803' FSL 1885' FWL  
At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*  
5.5 MILES SOUTH OF OURAY, UTAH  
12. County or Parish  
UINTAH  
13. State  
UTAH

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
803'  
160  
160  
17. Spacing Unit dedicated to this well  
40

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
REFER TO TOPO C  
19. Proposed Depth  
10600'  
20. BLM/BIA Bond No. on file  
C0-1203 BIA #RLB0005239-

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
4761.9' 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.
- 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.
- 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  
*Debra Domencici*  
Name (Printed/Typed) DEBRA DOMENICI  
Date 2/8/2006  
Title  
ASSOCIATE ENVIRONMENTAL ANALYST

Approved by (Signature)  
*Jean Kevork*  
Name (Printed/Typed) JEAN KEVORK  
Date 12-27-2007  
Title Assistant Field Manager  
Office VERNAL FIELD OFFICE  
Lands & Mineral Resources

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 ATTACHED

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

DEC 31 2007

DIV. OF OIL, GAS & MINING

UDOGM

07BM4929A



**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

**170 South 500 East**

**VERNAL, UT 84078**

**(435) 781-4400**



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

<b>Company:</b>	<b>Kerr-McGee Oil &amp; Gas Onshore, LP</b>	<b>Location:</b>	<b>SESW, Sec. 20, T9S, R20E</b>
<b>Well No:</b>	<b>NBU 920-20N</b>	<b>Lease No:</b>	<b>UTU-01567-A</b>
<b>API No:</b>	<b>43-047-37759</b>	<b>Agreement:</b>	<b>Natural Buttes Unit</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-4410

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

***Surface COAs:***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

***Site Specific COAs:***

- Paleological monitoring
- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.

- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

## ***DOWNHOLE CONDITIONS OF APPROVAL (COAs)***

### **SITE SPECIFIC DOWNHOLE COAs:**

A variance is granted for O.O. #2 III. E. 1.

- The blooie line shall be straight or have targeted tees for bends in the line.
- Not requiring an automatic igniter or continuous pilot on the blooie line
- If a mist system is used, the requirement for a deduster shall be waived.

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Wellogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

### **OPERATING REQUIREMENT REMINDERS:**

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (1/4, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.

UTU-01567-A

6. If Indian, Allottee or Tribe Name

UTE TRIBE

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

UNIT 891008900A  
NATURAL BUTTES UNIT

8. Well Name and No.

NBU 920-20N

9. API Well No.

4304737759

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

KERR MCGEE OIL AND 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)

SE/SW, SEC 20, T9S, R20E 803'FSL, 1885'FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other DOGM APD EXTENSION
	<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.

THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MARCH 6, 2006.

Approved by the  
Utah Division of  
Oil, Gas and Mining

**COPY SENT TO OPERATOR**

Date: 2-26-2008

Initials: KS

Date: 02-25-08

By: [Signature]

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

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

[Signature]

Date

February 5, 2008

**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.

**RECEIVED**

(Instructions on reverse)

FEB 25 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 4304737759  
**Well Name:** NBU 920-20N  
**Location:** SE/SW SEC. 20, T9S, R20E  
**Company Permit Issued to:** WESTPORT OIL & GAS COMPANY  
**Date Original Permit Issued:** 3/6/2006

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

2/4/2008

Date

Title: SENOIR LAND ADMIN SPECIALIST

Representing: KERR-McGEE OIL & GAS ONSHORE LP

**RECEIVED**  
**FEB 25 2008**  
DIV. OF OIL, GAS & MINING

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company:           **KERR-McGEE OIL & GAS ONSHORE, L.P.**          

Well Name:   **NBU 920-20N**  

Api No:           **43-047-37759**   Lease Type:           **FEDERAL**  

Section   **20**   Township   **09S**   Range   **20E**   County   **UINTAH**  

Drilling Contractor           **PETE MARTIN DRLG**   RIG #   **BUCKET**  

## **SPUDDED:**

Date           **10/20/08**  

Time           **6:00 PM**  

How           **DRY**  

**Drilling will Commence:**   

Reported by   **LEW WELDON**  

Telephone #   **(435) 828-7035**  

Date           **10/22//08**   Signed           **CHD**

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

FORM 6

**ENTITY ACTION FORM**

Operator: KERR MCGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
 Address: 1368 SOUTH 1200 EAST  
 city VERNAL  
 state UT zip 84078 Phone Number: (435) 781-7024

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737759	NBU 920-20N		SESW	20	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	10/20/2008			10/28/08	
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 10/20/2008 AT 1800 HRS.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737764	NBU 920-24M		SWSW	24	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	10/21/2008			10/28/08	
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 10/21/2008 AT 0800 HRS.							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
-	SANTIO 4-191X		NWNW	4	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
	99999		10/21/2008				
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. SPUD WELL LOCATION ON 10/21/2008 AT 0800 HRS.							

**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)

SHEILA UPCHEGO

Name (Please Print)

Signature

REGULATORY ANALYST

Title

10/21/2008

Date

**RECEIVED**

OCT 23 2008

DIV. OF OIL, GAS & MINING

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.  
**UTU-01567-A**

6. If Indian, Allottee or Tribe Name  
**UTE TRIBE**

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

8. Well Name and No.  
**NBU 920-20N**

9. API Well No.  
**4304737759**

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**803' FSL, 1885' FWL  
SESW, SEC.20, T9S-R20E**

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

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

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or 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 PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 10/20/2008 AT 1800 HRS.

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

Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Title <b>REGULATORY ANALYST</b>
Signature <i>[Handwritten Signature]</i>	Date <b>October 21, 2008</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

(Instructions on reverse)

**RECEIVED**  
**OCT 27 2008**  
DIV. OF OIL, GAS & MINING

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.  
**UTU-01567-A**

6. If Indian, Allottee or Tribe Name  
**UTE TRIBE**

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

8. Well Name and No.  
**NBU 920-20N**

9. API Well No.  
**4304737759**

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

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**803' FSL, 1885' FWL,  
SESW, SEC.20, T9S-R20E**

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

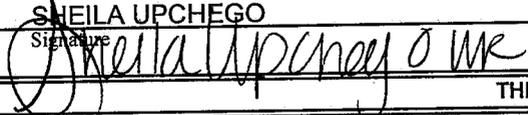
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/>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

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

MIRU PROPETRO AIR RIG ON 10/22/2008. DRILLED 12 1/4" SURFACE HOLE TO 2850'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/260 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT +/- 220 PSI LIFT TOP OUT W/ 200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE. 2ND TOP OUT W/ 100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

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

Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Title <b>REGULATORY ANALYST</b>
Signature 	Date <b>October 28, 2008</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

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

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

(Instructions on reverse)

**RECEIVED**  
**NOV 04 2008**  
DIV. OF OIL, GAS & MINING

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01567-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-20N
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047377590000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0803 FSL 1885 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 20 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 11/12/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input 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 OPERATOR WISHES TO INFORM ON CURRENT DRILLING OPERATIONS FOR THIS WELL. THE SURFACE TD OF THIS WELL IS 2850'. THE ROTARY RIG ENISGN 145, IS CURRENTLY ON THIS WELL SITE LOCATION AND DRILLING THE PRODUCTION HOLE ON THIS WELL.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 16, 2009

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/12/2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01567-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-20N
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047377590000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0803 FSL 1885 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 20 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 11/14/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input 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.**

FINISHED DRILLING FROM 2850' TO 10,850' ON 11/13/2009. RAN 4-1/2" 11.6# I-80 PRODUCTION CSG. PUMP 40 BBLS WATER. LEAD CMT W/671 SX CLASS G PREM LITE @ 12.3 PPG, 2.08 YIELD. TAILED CMT W/1336 SX CLASS G 50/50 POZ MIX @ 14.3 PPG, 1.13 YIELD. WASH LINES. DROP PLUG & DISPLACE W/167 BBLS WATER W/CLAYTREAT & MAGNACIDE TO BUMPING W/3700 PSI. RELEASE PSI, FLOATS OK. RD BJ. HAD 40 BBLS WATER W/CELLO FLAKE TO SURFACE BUT NO CMT. CLEAN MUD PITS. RELEASE ENSIGN 145 RIG ON 11/14/2009 AT 16:00 HRS.

Accepted by the  
 Utah Division of  
 Oil, Gas and Mining  
**FOR RECORD ONLY**  
 November 17, 2009

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/16/2009

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01567-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-20N
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047377590000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0803 FSL 1885 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 20 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/18/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" 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 checked="" type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____

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

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the surface casing size for this well. The surface casing size is changing FROM: 9-5/8" TO: 8-5/8". Please see the attached drilling program for additional details. If you have any questions, please contact the undersigned. Thank you.

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

Date: November 18, 2009

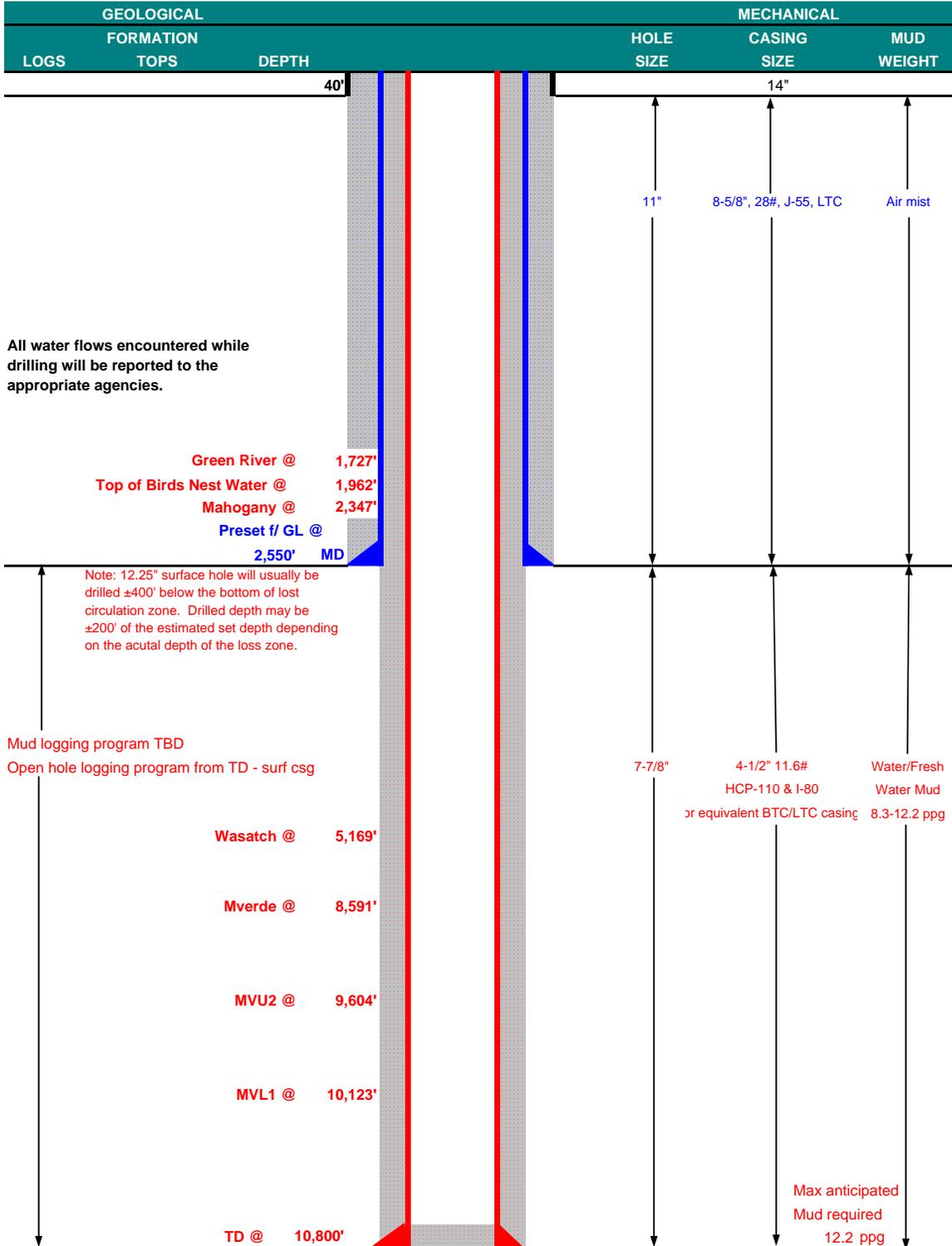
By: *Danielle Piernot*

<b>NAME (PLEASE PRINT)</b> Danielle Piernot	<b>PHONE NUMBER</b> 720 929-6156	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/17/2009



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 17, 2009  
 WELL NAME NBU 920-20N TD 10,800' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah FINISHED ELEVATION 4,762'  
 SURFACE LOCATION SE/4 SW/4 803' FSL 1,885' FWL Sec 20 T 9S R 20E BHL Straight Hole  
 Latitude: 40.015933 Longitude: 109.693578 NAD 83  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), Ute Tribe (SURFACE), UDOGM, Tri-County Health Dept.





**KERR-McGEE OIL & GAS ONSHORE LP  
DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	437,000
SURFACE	8-5/8"	0 to 2550	28.00	J-55	LTC	0.76*	1.58	6.12
						7,780	6,350	278,000
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	1.74	1.04	2.73
						10,690	8,650	279,000
		9600 to 10800	11.60	HCP-110	LTC	2.39	1.26	24.64

\*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.11

1) Max Anticipated Surf. Press. (MASP) (Surf Csg) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac grad x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)  
 (Burst Assumptions: TD = 12.2 ppg) 0.22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
**MASP 4,353 psi**

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD  
 (Burst Assumptions: TD = 12.2 ppg) 0.62 psi/ft = bottomhole gradient  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
**MABHP 6,729 psi**

**CEMENT PROGRAM**

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1 TOP OUT CMT (6 jobs)	LEAD 500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	260	0%	15.60	1.18
	<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>					
SURFACE Option 2	LEAD 2,050'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	190	35%	11.00	3.82
	TAIL 500	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.60	1.18
	TOP OUT CMT as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD 4,660'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	380	40%	11.00	3.38
	TAIL 6,140'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,500	40%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained  
 \*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

**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 for a total of 15 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" 5M with one annular and 2 rams. The BOPE will be installed before the production hole is drilled and tested to 5,000 psi (annular to 2,500 psi) prior to drilling out the surface casing shoe. Record on chart recorder and tour sheet. Function test rams on each trip. Maintain safety valve and inside BOP on rig floor at all times. Most rigs have top drives; however, if used, the Kelly is to be equipped with upper and lower kelly valves.  
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.  
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 John Huycke / Emile Goodwin  
 DRILLING SUPERINTENDENT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 John Merkel / Lovel Young

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01567-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-20N
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047377590000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0803 FSL 1885 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 20 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 11/30/2009  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> ACIDIZE <input checked="" type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____

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

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests to change the grade of surface drilling pipe for this well. The surface pipe grade is changing FROM: J-55 LT&C TO: IJ-55 LT&C. Please see the attached drilling program for additional details. If you have any questions, please contact the undersigned. Thank you.

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

Date: November 25, 2009

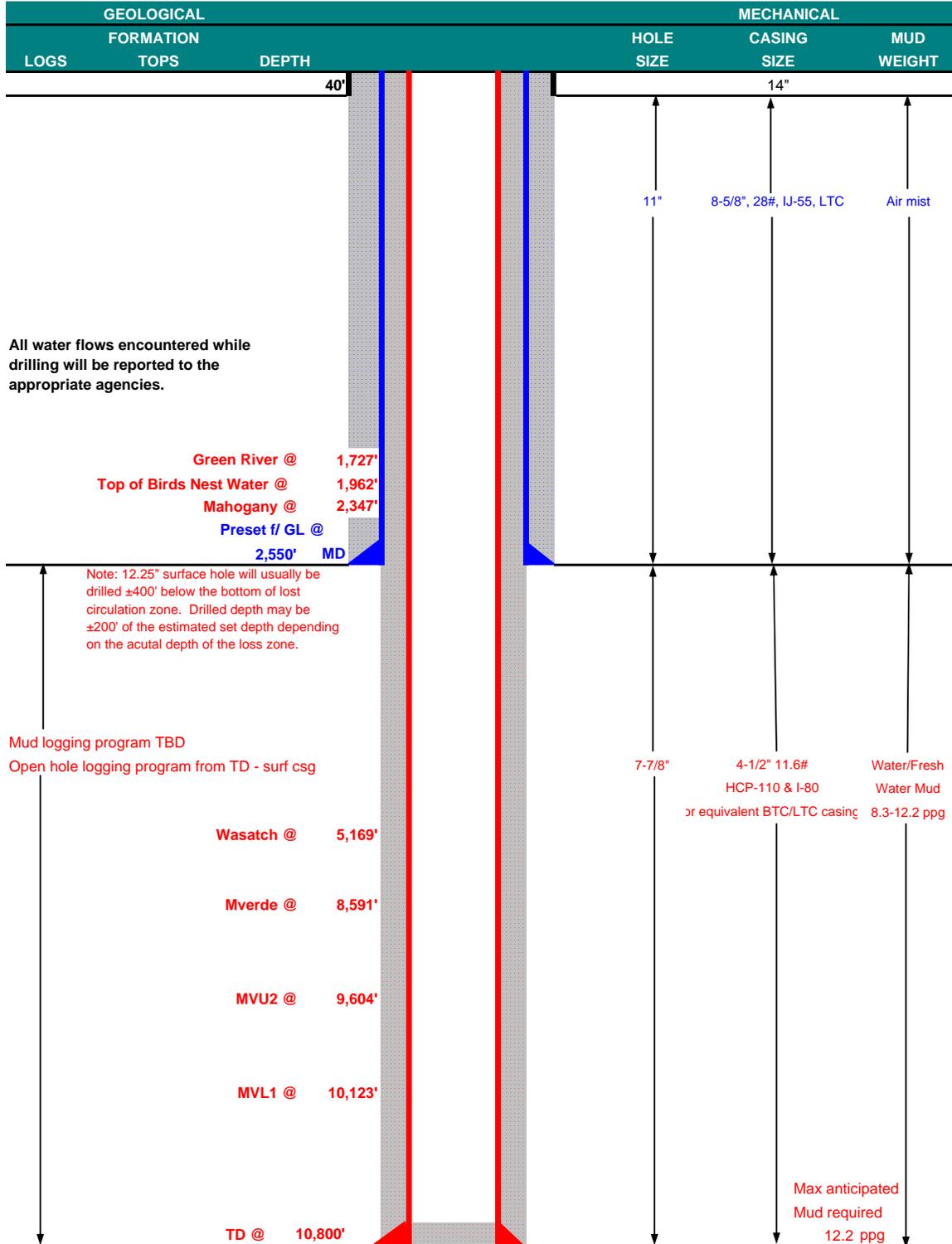
By: *Danielle Piernot*

<b>NAME (PLEASE PRINT)</b> Danielle Piernot	<b>PHONE NUMBER</b> 720 929-6156	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 11/24/2009



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 23, 2009  
 WELL NAME NBU 920-20N TD 10,800' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah FINISHED ELEVATION 4,762'  
 SURFACE LOCATION SE/4 SW/4 803' FSL 1,885' FWL Sec 20 T 9S R 20E BHL Straight Hole  
 Latitude: 40.015933 Longitude: 109.693578 NAD 83  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM (MINERALS), Ute Tribe (SURFACE), UDOGM, Tri-County Health Dept.





**KERR-McGEE OIL & GAS ONSHORE LP  
DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3,390	1,880	348,000
SURFACE	8-5/8"	0 to 2550	28.00	IJ-55	LTC	0.76*	1.58	4.87
PRODUCTION	4-1/2"	0 to 9600	11.60	I-80	BTC	1.74	1.04	2.73
		9600 to 10800	11.60	HCP-110	LTC	2.39	1.26	24.64

\*Burst on surface casing is controlled by fracture gradient as shoe with gas gradient above. D.F. = 2.11

1) Max Anticipated Surf. Press. (MASP) (Surf Csg) = (Pore Pressure at next csg point - (0.22 psi/ft-partial evac grad x TVD of next csg point))

2) MASP (Prod Casing) = Pore Pressure at TD - (0.22 psi/ft-partial evac gradient x TD)  
 (Burst Assumptions: TD = 12.2 ppg) 0.22 psi/ft = gradient for partially evac wellbore  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
**MASP 4,353 psi**

3) Maximum Anticipated Bottom Hole Pressure (MABHP) = Pore Pressure at TD  
 (Burst Assumptions: TD = 12.2 ppg) 0.62 psi/ft = bottomhole gradient  
 (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing\*Buoy.Fact. of water)  
**MABHP 6,729 psi**

**CEMENT PROGRAM**

	FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE LEAD	500'	Premium cmt + 2% CaCl + 0.25 pps flocele	215	60%	15.60	1.18
Option 1 TOP OUT CMT (6 jobs)	1,200'	20 gals sodium silicate + Premium cmt + 2% CaCl + 0.25 pps flocele Premium cmt + 2% CaCl	310	0%	15.60	1.18
<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>						
SURFACE LEAD	2,050'	Prem cmt + 16% Gel + 10 pps gilsonite + 0.25 pps Flocele + 3% salt BWOC	190	35%	11.00	3.82
TAIL	500	Premium cmt + 2% CaCl + 0.25 pps flocele	150	35%	15.60	1.18
TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION LEAD	4,660'	Premium Lite II + 0.25 pps celloflake + 5 pps gilsonite + 10% gel ' + 1% Retarder	380	40%	11.00	3.38
TAIL	6,140'	50/50 Poz/G + 10% salt + 2% gel + 0.1% R-3	1,500	40%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained  
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**FLOAT EQUIPMENT & CENTRALIZERS**

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**ADDITIONAL INFORMATION**

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 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.  
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 John Huycke / Emile Goodwin  
 DRILLING SUPERINTENDENT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 John Merkel / Lovel Young

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-01567-A
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 920-20N
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047377590000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0803 FSL 1885 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESW Section: 20 Township: 09.0S Range: 20.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 1/19/2010	<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"/> <b>PRODUCTION START OR RESUME</b>	<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 WAS PLACED ON PRODUCTION ON 1/19/2010 AT 1:30 P.M. CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH COMPLETION REPORT.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 January 21, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/21/2010

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
UTU01567A

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

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

3. Address **P.O. BOX 173779** 3a. Phone No. (include area code)  
**DENVER, CO 80217** Ph: **720-929-6100**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **SESW 803FSL 1885FWL 40.01586 N Lat, 109.69291 W Lon**  
 At top prod interval reported below **SESW 803FSL 1885FWL 40.01586 N Lat, 109.69291 W Lon**  
 At total depth **SESW 803FSL 1885FWL 40.01586 N Lat, 109.69291 W Lon**

6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
 7. Unit or CA Agreement Name and No.  
**UTU63047A**

8. Lease Name and Well No.  
**NBU 920-20N**

9. API Well No. **43-047-37759**

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

11. Sec., T., R., M., or Block and Survey  
 or Area **Sec 20 T9S R20E Mer**

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

14. Date Spudded **10/20/2008** 15. Date T.D. Reached **11/13/2009** 16. Date Completed  
 D & A  Ready to Prod.  
**01/19/2010**

17. Elevations (DF, KB, RT, GL)\*  
**4762 GL**

18. Total Depth: MD **10850** 19. Plug Back T.D.: MD **10796**  
 TVD **10848** TVD **10794** 20. Depth Bridge Plug Set: MD  
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**GR/CBL-SDL/DSN/ACTR-BHV**

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

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
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2827		685			
7.875	4.500 I-80	11.6		10840		2007		0	

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	10015							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8592	10738	8592 TO 10738	0.360	241	OPEN
B) WSMVD						
C)						
D)						

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

Depth Interval	Amount and Type of Material
8592 TO 10738	PMP 10,270 BBLs SLICK H2O & 393,611 LBS 30/50 SD.

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
01/19/2010	01/21/2010	24	→	0.0	1822.0	400.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 1167	1880.0	→	0	1822	400		PGW	

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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

**RECEIVED**  
**FEB 22 2010**

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

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas(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 MAHOGANY WASATCH MESAVARDE	1731 2462 5176 8576	8544 10800			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS WELL COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND FINAL SURVEY.

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 #81632 Verified by the BLM Well Information System.  
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (please print) ANDY LYTLE Title REGULATORY ANALYST

Signature  (Electronic Submission) Date 02/18/2010

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 920-20N      Spud Conductor: 10/20/2008      Spud Date: 10/22/2008  
 Project: UTAH-UINTAH      Site: NBU 920-20N      Rig Name No: PROPETRO/, ENSIGN 145/145  
 Event: DRILLING      Start Date: 10/22/2009      End Date: 11/14/2009  
 Active Datum: RKB @4,776.00ft (above Mean Sea Level)      UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
10/22/2008	15:00 - 0:00	9.00	DRLSUR	02	A	P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1500 HR 10/22/08 DA AT REPORT TIME 750'
10/23/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 1260'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 1560'
10/24/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 1920'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 2010'
10/25/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 2190'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 2340'
10/26/2008	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 2510'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 2790'
10/27/2008	0:00 - 3:00	3.00	DRLSUR	02	D	P		RIG T/D @ 2850' CONDITION HOLE 1 HR RUN SURVEY 1.1 DEG.
	3:00 - 7:00	4.00	DRLSUR	06	A	P		TRIP DP OUT OF HOLE
	7:00 - 11:00	4.00	CSG	12	C	P		RUN 2813' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG
	11:00 - 12:30	1.50	CSG	12	E	P		CEMENT 1ST STAGE WITH 260 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK RETURNS 22 BBL INTO DISPLACEMENT NO LEAD CMT TO SURFACE 450 PSI LIFT
	12:30 - 13:00	0.50	CSG	12	E	P		1ST TOP JOB 125 SKS LOST RETURNS NO CMT TO SURFACE WOC
	13:00 - 15:00	2.00	CSG	12	E	P		2ND TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
	15:00 - 15:00	0.00	SUSPEN	21	D	P		NO VISIBLE LEAKS PIT 30% FULL WORT
10/28/2009	20:00 - 0:00	4.00	DRLPRO	01	E	P		RD, PREP TO MOVE
10/29/2009	0:00 - 0:00	24.00	DRLPRO	01	B	P		RD & HAUL MATTING BOARDS & SET, HAUL PITS, BACKYARD, PIPE TUBS, PIPE RACKS & CAMP TO LOCATION,
10/30/2009	0:00 - 0:00	24.00	DRLPRO	01	B	P		TRANSPORT SUB, DERRICK & VFD HOUSE TO LOC. & RIG UP, TIE ELECTRICAL, WATER, STEAM, MUD LINES TOGETHER, CONVERT STACK TO FMC HEAD, NU BOP, FINISH SETTING SUB, INSTALL DERRICK, STRING LINES, RAISE DERRICK
10/31/2009	0:00 - 4:00	4.00	DRLPRO	08	B	Z		TROUBLE SHOOT IRON DERRICK MAN, LOWER LOCKIN RACKING BOARD
	4:00 - 6:00	2.00	DRLPRO	01	B	P		RIG UP WINDWALLS, ETC
	6:00 - 7:30	1.50	DRLPRO	01	B	P		RIG UP FLOOR, SET FRAC TANKS
	7:30 - 9:00	1.50	DRLPRO	08	B	Z		TROUBLE SHOOT VFD, DRAW WORKS, #1 GENERATOR
	9:00 - 18:00	9.00	DRLPRO	01	B	P		SPOOL ON DRILL LINE, CONNECT BLOCKS & TOP DRIVE, CENTER RIG OVER HOLE, CHANGE OIL IN TOP DRIVE, TIE IN FLOARE LINE, FLOW LINE, MUD LINE, HOOK UP KOOMY
	18:00 - 19:00	1.00	DRLPRO	01	B	P		FINISH SETTING FLARE,
	19:00 - 23:00	4.00	DRLPRO	15	A	P		HOLD SAFETY MEETING, RU TESTER, TEST BOPE 5K HIGH/250 LOW, TEST SURFACE CSG 1500/ 30 MIN.
	23:00 - 0:00	1.00	DRLPRO	01	B	P		INSTALL WEAR BUSHING, PU 7 7/8 MILLTOOTH BIT & MUD MOTOR.
11/1/2009	0:00 - 3:00	4.00	DRLPRO	06	A	P		PU 7 7/8 MILLTOOTH TRICONE, BHA & TIH, TAG CMT AT 2732
	3:00 - 11:30	8.50	DRLPRO	08	B	Z		WORK ON PUMP/PASON PROBLEMS

US ROCKIES REGION

**Operation Summary Report**

Well: NBU 920-20N		Spud Conductor: 10/20/2008	Spud Date: 10/22/2008
Project: UTAH-UINTAH		Site: NBU 920-20N	Rig Name No: PROPETRO/, ENSIGN 145/145
Event: DRILLING		Start Date: 10/22/2009	End Date: 11/14/2009
Active Datum: RKB @4,776.00ft (above Mean Sea Level)   UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:30 - 12:30	1.00	DRLPRO	02	F	P		DRILL CMT, FLOAT & SHOE, 2732 TO 2825
	12:30 - 14:30	2.00	DRLPRO	06	A	P		CIRC HOLE CLEAN, POOH FOR BIT CHANGE, LD 7 7/8 MILLTOOTH
	14:30 - 15:30	1.00	DRLPRO	06	A	P		PU SEC FMHX555ZM & TIH
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRILL 2826 TO 3502, WOB-12, SPPON/OFF BOTTOM-1270/1028, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-300 MW-8.4, VIS-26 - 2 -5 FT FLARE INTERMITTENT, BGGAS-1100, CON GAS-2400
11/2/2009	0:00 - 6:30	6.50	DRLPRO	02	B	P		LAST DEV SURVEY .9 DRILL 3502 -4083 , WOB-12, SPPON/OFF BOTTOM-1670/1628, SPM-62 BOTH PUMPS, GPM-460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-300 MW-8.4, VIS-26 - 2 -15 FT FLARE CONSTANT, BGGAS-1100, CON GAS-2400
	6:30 - 9:30	3.00	DRLPRO	05	A	P		LAST DEV SURVEY .9 DRILL INTO GREEN RIVER AT 4083, GAS TOO MUCH TO HANDLE THRU BUSTER, SHUT WELL IN, PUT WELL ON CHOKE THRU BUSTER, BROUGHT STROKES UP TO NORMAL
	9:30 - 11:00	1.50	DRLPRO	02	B	P		CIRCULATING RATE, 460 GPM, 320 PSI CHOKE AND CIRCULATED OUT GAS , TOOK WELL OFF CHOKE, BOTTOMS UP TIME TOOK ANOTHER KICK, PUT WELL BACK ON CHOKE CIRCULATED OUT GAS AND STARTED MUD UP. LARGE AMOUNT SHALE ACROSS THE SHAKERS AND FAIR AMOUNT OF GREEN RIVER OIL ON PIT.
	11:00 - 11:30	0.50	DRLPRO	07	A	P		DRILL 4083-4181, WOB-16, SPPON/OFF
	11:30 - 12:30	1.00	DRLPRO	08	B	Z		BOTTOM-1740/1660, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-300 MW-9, VIS-33, BGGAS-200, CON GAS-450
	12:30 - 0:00	11.50	DRLPRO	02	B	P		LAST DEV SURVEY .7. LARGE AMOUNT SHALE ACROSS THE SHAKERS AND FAIR AMOUNT OF GREEN RIVER OIL ON PIT. LUBRICATE RIG
11/3/2009	0:00 - 11:00	11.00	DRLPRO	02	B	P		TOP DRIVE HYDRAULICS QUIT, TROUBLE SHOOT AND REPAIR DRILL 4181-5040 , WOB-12, SPPON/OFF BOTTOM-1930/11820, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-300 MW-8.4, VIS-26 , BGGAS-264, CON GAS- 300 LAST DEV SURVEY .7-
	11:00 - 11:30	0.50	DRLPRO	07	A	P		DRILL 5040 TO 5903 , WOB-12, SPP ON/OFF
	11:30 - 0:00	12.50	DRLPRO	02	B	P		BOTTOM-2268/2196, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-130-429, MW-9.5, VIS-34 , BGGAS-224, CON GAS- 36 LAST DEV SURVEY .8 AT 5643
11/4/2009	0:00 - 12:30	12.50	DRLPRO	02	B	P		LUBRICATE RIG DRILL 5903 TO 6598 , WOB-12, SPP ON/OFF BOTTOM-1930/11820, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-350 MW-9.7, VIS-36 , BGGAS-132, CON GAS- 545- 1640, LAST DEV SURVEY 1.6 AT 6544
	12:30 - 13:00	0.50	DRLPRO	07	A	P		DRILL 6598-7217, WOB-12-20, SPP ON/OFF BOTTOM-2168/2060, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-350 MW-9.7, VIS-36 , BGGAS-60, CON GAS- 300, LAST DEV SURVEY1.3 AT 6567
								LUBRICATE RIG

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 920-20N Spud Conductor: 10/20/2008 Spud Date: 10/22/2008  
 Project: UTAH-UINTAH Site: NBU 920-20N Rig Name No: PROPETRO/, ENSIGN 145/145  
 Event: DRILLING Start Date: 10/22/2009 End Date: 11/14/2009  
 Active Datum: RKB @4,776.00ft (above Mean Sea Level) UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/5/2009	13:00 - 14:00	1.00	DRLPRO	02	B	P		DRILL 7217 - 7262, WOB-12-20, SPP ON/OFF BOTTOM-2240/2160, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-350 MW-10, VIS-40 , BGGAS-60, CON GAS- 300, LAST DEV SURVEY 1.6 AT 7140
	14:00 - 14:30	0.50	DRLPRO	08	B	Z		ATTEMPTED TO PULL STAND AND CO SAVER SUB, IDM NOT RESPONDING, GOT IT WORKING BUT NOT 100%, HAVE TO OVERRIDE AUTOMATICS & RUN IT ON TOTAL MANUAL
	14:30 - 16:30	2.00	DRLPRO	02	B	P		DRILL 7262- 7332, WOB-12-20, SPP ON/OFF BOTTOM-2260/2180, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-101,DIF PSI-250-350 MW-10.1, VIS-41 , BGGAS-60, CON GAS- 300, LAST DEV SURVEY 1.6 AT 7140, BIT QUIT, LOST DIFFERENTIAL AND P-RATE
	16:30 - 18:00	1.50	DRLPRO	05	C	P		PUMP SWEEPS, CIRC HOLE CLEAN, PUMP PILL
	18:00 - 0:00	6.00	DRLPRO	06	A	P		POOH FOR BIT CHANGE
	0:00 - 1:30	1.50	DRLPRO	06	A	P		POOH W/ BHA#1
	1:30 - 2:30	1.00	DRLPRO	06	A	P		LD MOTOR & BIT, CO SAVER SUB
	2:30 - 3:30	1.00	DRLPRO	06	A	P		PU BHA#2
	3:30 - 8:45	5.25	DRLPRO	06	A	P		TIH W/ BHA#2, RUN INTO BRIDGE AT 5183, DID NOT STACK OUT, COULD NOT POOH OR TIH, COULD NOT ROTATE. DID NOT LOSE CIRCULATION
	8:45 - 10:30	1.75	DRLPRO	22	A	X		WORK STUCK PIPE AT 100K OVER STRING WT-250k WORKING TORQUE IN & OUT, FINALLY GOT MOVEMENT UP, WORKED PIPE UP 8 INCHES AND BROKE FREE. POOH 20 FT AND CIRC HOLE CLEAN., INSPECT CROWN SHEAVES, TOP DRIVE.
11/6/2009	10:30 - 21:30	11.00	DRLPRO	03	A	P		WASH & ROTATE DOWN . WASH THRU BRIDGES A T5065, 5683, 6010, 6208, 6288, 6364, 6420, 7020, 7103-7145, 7158-7225, 7276-7332
	21:30 - 0:00	2.50	DRLPRO	02	B	P		DRILL 7332 - 7444, WOB-20-25, SPP ON/OFF BOTTOM-2245/2199, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-340-450 MW-10.4, VIS-41 , BGGAS-32, CON GAS- 54, LAST DEV SURVEY 1.6 AT 7140
	0:00 - 11:00	11.00	DRLPRO	02	B	P		DRILL 7444-7993, WOB-20-25, SPP ON/OFF BOTTOM-2245/2199, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-340-450 MW-10.9, VIS-41 , BGGAS-24, CON GAS- 30, LAST DEV SURVEY 1.5 AT 7870
	11:00 - 11:30	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	11:30 - 0:00	12.50	DRLPRO	02	B	P		DRILL 7993-8564, WOB-20-25, SPP ON/OFF BOTTOM-2451/2380, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-280-350 MW-11.9, VIS-44 , BGGAS-24, CON GAS- 30, LAST DEV SURVEY 1.3 AT 8505
	0:00 - 11:00	11.00	DRLPRO	02	B	P		DRILL 8564- 8899, WOB-20-25, SPP ON/OFF BOTTOM-2748/2681, SPM-105, GPM- 460, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-190-350 MW-12.1, VIS-44 , BGGAS-24, CON GAS- 30, LAST DEV SURVEY .08 AT 8776
	11:00 - 11:30	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	11:30 - 22:00	10.50	DRLPRO	02	B	P		DRILL 8899-9212, WOB-20-25, SPP ON/OFF BOTTOM-22752/2672, SPM-105, GPM- 476, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-120/220 MW-12.1, VIS-44 , BGGAS-99, CON GAS- 175, LAST DEV SURVEY .06 AT 9094
	22:00 - 0:00	2.00	DRLPRO	06	A	P		POOH FOR BIT CHANGE

**US ROCKIES REGION**

**Operation Summary Report**

Well: NBU 920-20N		Spud Conductor: 10/20/2008		Spud Date: 10/22/2008	
Project: UTAH-UINTAH		Site: NBU 920-20N		Rig Name No: PROPETRO/, ENSIGN 145/145	
Event: DRILLING		Start Date: 10/22/2009		End Date: 11/14/2009	
Active Datum: RKB @4,776.00ft (above Mean Sea Level) UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0					

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
11/8/2009	0:00 - 7:00	7.00	DRLPRO	06	A	P		POOH FOR BIT, RUN INTO TIGHT AREA, PULLING 40-60 OVER ,BREAK CIRCULATION AND ROTATE UP 5190 TO 4950, REST OF THE TRIP CLEAN.
	7:00 - 9:00	2.00	DRLPRO	06	A	P		LD MOTOR & BIT, PU NEW MOTOR & BIT, CHANGE BATTERY IN PRODRIFT, MOTOR DRAINING THRU THE BIT EVIDENCE OF A PROBLEM W/ MOTOR
	9:00 - 11:00	2.00	DRLPRO	06	A	P		TIH W/ NEW BHA
	11:00 - 13:00	2.00	DRLPRO	08	B	Z		TROUBLE SHOOT TOP DRIVE- POWER PROBLEMS- TOP DRIVE ARCING TO TEH DRILL PIPE- CHECKING AND REWORKING ALL THE GROUND POSITIONS.
	13:00 - 13:30	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	13:30 - 17:30	4.00	DRLPRO	06	A	P		TIH W/ BHA, HOLE TIGHT AT 8560
	17:30 - 20:30	3.00	DRLPRO	03	A	P		KELLY UP AND REAM DOWN 8560 TO 9212
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRILL 9212-9251, WOB-8-25, SPP ON/OFF BOTTOM-2708/2680, SPM-105, GPM- 460, ROTARY RPM-35-50, MOTOR RPM-74,DIF PSI-120/220 MW-12.1, VIS-44 , BGGAS-99, CON GAS- 175, LAST DEV SURVEY .06 AT 9094, BIT BALLING REAL BAD, DROPPED NUT HULL SWEEPS, MOVED WOB FROM 8 TO 30 K. FINALLY GOT THE BIT CLEAN AND DIGGING. DIF UP TO 430-450, ROP TO 50 FPH
	11/9/2009	0:00 - 13:30	13.50	DRLPRO	02	B	P	
13:30 - 14:00		0.50	DRLPRO	07	A	P		LUBRICATE RIG
14:00 - 0:00		10.00	DRLPRO	02	B	P		DRILL 9711-9978 , WOB-10-25, SPP ON/OFF BOTTOM-2860/2750, SPM-105, GPM- 476, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-200-380 MW-12.3, VIS-48 , BGGAS-246, CON GAS- 295, PRO DRIFT QUIT OPERATING,
11/10/2009	0:00 - 8:00	8.00	DRLPRO	02	B	P		DRILL 9978- 10128, , WOB-10-25, SPP ON/OFF BOTTOM-2850/2740, SPM-105, GPM- 476, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-100-250 MW-12.2, VIS-48 , BGGAS-54, CON GAS- 54, PRO DRIFT QUIT OPERATING
	8:00 - 9:00	1.00	DRLPRO	05	C	P		CIRCULATE BOTTOMS UP, PREP FOR TRIP
	9:00 - 15:30	6.50	DRLPRO	06	A	P		POOH FOR BIT,DRAIN & LD MOTOR & BIT. GRADED BIT A 4-4
	15:30 - 16:00	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	16:00 - 17:30	1.50	DRLPRO	06	A	P		PU MOTOR, BIT, INSTALL PRODRIFT, TIH
	17:30 - 18:00	0.50	DRLPRO	08	B	Z		HYDRAULIC SEAL ON SPINNER MOTOR DEVELOPED A LEAK, REPAIRED SAME
	18:00 - 23:30	5.50	DRLPRO	06	A	P		TIH W/ DP
	23:30 - 0:00	0.50	DRLPRO	02	B	P		DRILL 10128- 10141, WOB-10-25, SPP ON/OFF BOTTOM-2850/2740, SPM-105, GPM- 476, ROTARY RPM-50, MOTOR RPM-75,DIF PSI-100-200 MW-12.2, VIS-48 , BGGAS-100, TRIP GAS- 2700,
11/11/2009	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRILL 10141'-10435', (294') 21.78'/HR., WOB-12-24, PP 2600-2850, SPM-120, GPM- 460, ROTARY RPM-30-50, MOTOR RPM-75,DIF PSI-100-250 MW-12.2, VIS-44 , BGG-50-120,
	13:30 - 14:00	0.50	DRLPRO	07	A	P		SERVICE RIG,

US ROCKIES REGION

**Operation Summary Report**

Well: NBU 920-20N		Spud Conductor: 10/20/2008		Spud Date: 10/22/2008	
Project: UTAH-UINTAH			Site: NBU 920-20N		Rig Name No: PROPETRO/, ENSIGN 145/145
Event: DRILLING			Start Date: 10/22/2009		End Date: 11/14/2009
Active Datum: RKB @4,776.00ft (above Mean Sea Level)			UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRILL 10435'-10628', (193') 19.3'/HR., WOB-12-24, PP 2600-2850, SPM-120, GPM- 460, ROTARY RPM-30-50, MOTOR RPM-75,DIF PSI-100-250 MW-12.1, VIS-44 , BGG-50-120,
11/12/2009	0:00 - 5:30	5.50	DRLPRO	02	B	P		DRILL 10628'-10691' (63') 11.4'/HR. WOB-12-24, PP 2600-2850, SPM-120, GPM- 460, ROTARY RPM-30-50, MOTOR RPM-75,DIF PSI-100-250 MW-12.1, VIS-44 , BGG-50-120,
	5:30 - 6:30	1.00	DRLPRO	05	C	P		CIRCULATE BU. MIX AND PUMP A SLUG.
	6:30 - 12:30	6.00	DRLPRO	06	A	P		POOH FOR BIT #5. CHANGE BITS. PU NEW SECURITY FMHX655ZM PDC.
	12:30 - 14:30	2.00	DRLPRO	06	A	P		TIH TO THE SHOE, FILL DP.
	14:30 - 16:30	2.00	DRLPRO	09	A	P		CUT 97' DRILL LINE
	16:30 - 21:30	5.00	DRLPRO	06	A	P		TIH, WASH AND REAM 95' TO BOTTOM
	21:30 - 22:30	1.00	DRLPRO	05	A	P		CIRCULATE OUT TRIP GAS, GAINED 16 BBLS WITH A 20' TO 25;' FLARE. GAS DETECTOR NOT WORKING.
	22:30 - 23:00	0.50	DRLPRO	07	C	P		CHANGE OUT ROTATING HEAD INSERT.
	23:00 - 0:00	1.00	DRLPRO	02	B	P		DRILL 10691'-10710' (19') 19'/HR. WOB-12-24, PP 2600-2850, SPM-114, GPM- 435, ROTARY RPM-30-50, MOTOR RPM-70,DIF PSI-100-250 MW-12.3, VIS-44 , BGG-50-120,
11/13/2009	0:00 - 4:30	4.50	DRLPRO	02	B	P		DRILL 10710'-10850' (140') 31.1'/HR. WOB-12-24, PP 2750-2950, SPM-114, GPM- 435, ROTARY RPM-30-50, MOTOR RPM-70,DIF PSI-100-250 MW-12.3, VIS-44 , BGG-65-120,
	4:30 - 5:30	1.00	DRLPRO	05	C	P		CIRCULATE BOTTOMS UP, MIX AND PUMP A SLUG.
	5:30 - 8:00	2.50	DRLPRO	06	E	P		WIPER TRIP 20 STANDS.
	8:00 - 10:00	2.00	DRLPRO	05	C	P		CIRCULATE BOTTOM UP TWICE. TRIP GAS 1000 UNITS. MIX AND PUMP A SLUG
	10:00 - 17:00	7.00	DRLPRO	06	B	P		POOH LAYING DOWN DRILL STING.
	17:00 - 17:30	0.50	DRLPRO	14	B	P		PULL THE WEAR BUSHING. HELD SAFETY MEETING WITH HALLIBURTON.
	17:30 - 23:00	5.50	DRLPRO	11	D	P		RU, RIH WITH TRIPLE COMBO AND LOG FROM 10857' TO SURFACE CSG. RUN GR TO SURFACE. RD HALLIBURTON.
	23:00 - 0:00	1.00	DRLPRO	12	A	P		HELD SAFETY MEETING WITH WEATHERFORD, RU CASING TOOLS.
11/14/2009	0:00 - 8:30	8.50	DRLPRO	12	C	P		RUN CSG. AS FOLLOWS: FLOAT SHOE, 1 JT. CSG. FLOAT COLLAR, 29 JTS. P-110 LTC, CSG. 20' XO, 104 JTS. I-80 BTC, MARKER JT. SET AT 5149', 122 JTS. 4 1/2" 11.6 PPF I-80 BTC CSG. OAL 10840.22, SET AT 10840.22. CENTRALIZED WITH 15 BOW SPRINGS, 1 ON FIRST 3 JTS. THEN EVERY 3RD JT.
	8:30 - 10:00	1.50	DRLPRO	05	D	P		CIRCULATE BOTTOMS UP WITH RIG PUMP. HELD SAFETY MEETING WITH BJ.
	10:00 - 13:00	3.00	DRLPRO	12	E	P		SWITCH TO BJ, TEST LINES TO 5000 CEMENT 4 1/2" AS FOLLOWS: 40 BBLS WATER, LEAD W/ 671 SKS PL2 MIXED @ 12.3 PPG, YIELD 2.08, TAIL W/ 1336 SKS 50:50 POZ MIXED @ 14.3PPG, YIELD 1.31, WASH LINES, DROP PLUG & DISPLACE W/167.5 BBLS WATER W/ CLAYTREAT & MAGNACIDE TO BUMP PLUG W/ 3700 PSI. RELEASE PSI, FLOATS OK. RD BJ. HAD 40 BBLS WATER W/ CELLO FLAKE TO SURFACE BUT NO CEMENT.

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

Well: NBU 920-20N		Spud Conductor: 10/20/2008		Spud Date: 10/22/2008				
Project: UTAH-UINTAH		Site: NBU 920-20N		Rig Name No: PROPETRO/, ENSIGN 145/145				
Event: DRILLING		Start Date: 10/22/2009		End Date: 11/14/2009				
Active Datum: RKB @4,776.00ft (above Mean Sea Leve		UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:00 - 18:00	5.00	DRLPRO	12	B	P		RD BJ. FLUSH STACK, REMOVE LANDING JOINT. INSTALL PACKOFF AND TEST TO 5000 PSI. ND. CLEAN THE MUD PITS AND RELEASE THE RIG ON 11-14-09 @ 16:00 HRS.

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

Well: NBU 920-20N		Spud Conductor: 10/20/2008		Spud Date: 10/22/2008				
Project: UTAH-UINTAH			Site: NBU 920-20N			Rig Name No: MILES-GRAY 1/1		
Event: COMPLETION			Start Date: 1/8/2010			End Date: 1/16/2010		
Active Datum: RKB @4,776.00ft (above Mean Sea Level)			UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/8/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #1, DAY #1
	7:15 - 15:00	7.75	COMP	30	A	P		ROAD RIG FROM NBU 920-14N TO LOC, MIRU, N/D WH, N/U BOPS, SDFWE
1/11/2010	7:00 - 7:30	0.50	COMP	48		P		JSA-SAFETY MEETING #2, DAY2
	7:30 - 18:00	10.50	COMP	31	I	P		P/U MILL TIH W/ 2 3/8" TBG TO @ 9040', TOO H W/ LAY DN 27JTS, STANDING BACK 130 STANDS, SWI, SDFN,
1/12/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #3, DAY 3
	7:15 - 15:00	7.75	COMP	30		P		N/D BOPS, N/U FRAC VALVE, R/U B&C QUICK TEST, PRESSURE TEST CSG AND FRAC VALVE TO 7000#, OK, R/U CASED HOLE SOLUTION WIRELINE, PREPARE FOR FIRST SHOOT, PERF STG #1 IN AM, SDFN
1/13/2010	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #4, DAY 4
	7:15 - 11:00	3.75	COMP	37	B	P		( PERF STG #1 ) R/U CASED HOLE WIRELINE, RIH W/ PERF GUNS, PERF THE MESAVERDE @ 10734'- 10738', 10650'- 10656', 4-SPF, USING 3 3/8" EXP GUNS, 23 gm, 0.36 HOLE, 90* PHS, 40 HOLES,
	11:00 - 15:00	4.00	COMP	46	E	P		WAIT ON FRAC TECH SERVICE TO FINISH JOB ON NBU 920-22K, TO LATE TO START FRAC, SDFN
1/14/2010	6:00 - 7:00	1.00	COMP	33		P		CHANGE OUT TOP MASTER VALVE ON FRAC TREE, PRESSURE TEST VALVE TO 7000#, OK,
	7:00 - 7:15	0.25	COMP	48		P		JSA-SAFETY MEETING #5 W/ FRAC PERF AND RIG CREW , DAY #5

US ROCKIES REGION

**Operation Summary Report**

Well: NBU 920-20N		Spud Conductor: 10/20/2008		Spud Date: 10/22/2008	
Project: UTAH-UINTAH			Site: NBU 920-20N		Rig Name No: MILES-GRAY 1/1
Event: COMPLETION			Start Date: 1/8/2010		End Date: 1/16/2010
Active Datum: RKB @4,776.00ft (above Mean Sea Level) UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0					

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 21:00	13.75	COMP	36	E	P		<p>,R/U FRAC TECH, PRESSURE TEST SURFACE LINE TO 8000#, SAFETY MEETING                      ( STG #1 ) WHP =270 #, BRK DN PERF 4504 # @ 7 B/M, INJ-RT = 40 B/M, INJ-P = 5519#, ISIP 3497#, F.G.= 0.76 , PUMP 6 BBLS 15 % HCL AHEAD OF INJ, CALC 70% PERF OPEN, PUMP 994 BBLS SLK WTR &amp; 30997 # OTTAWA SAND W/ LAST 5000# TLC SD, ISIP = 3403 #, F.G.= 0.75 , NPI = - 94 #, MP = 6330 #, MR = 44 B/M, AP = 4570 #, AR = 41 B/M, 25997 # 30/50 OTTAWA SD, 5000# TLC SD, 160 GALS NALCO SCALE INHIB, 19 GALS NALCO BIOCIDE,                      COMMENTS = start pumping 9:25 am, stop 10:00 am</p> <p>( STG # 2 ) RIH W BAKER 8K CBP AND PERF GUNS, SET CBP @ 10312', PERF THE MESAVERDE @ 10280'- 10282' 4-SPF, 10250'- 10253' 4-SPF, 10206'- 10208' 3-SPF, 10096'- 10099' 3-SPF, 10036'- 100038' 3-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 41 HOLES, WHP = 2485 #                      BRK DN PERF @ 6870 # @ 7 B/M, INJ-RT = 50 B/M, INJ-P = 5543 #, ISIP = 3296 #, F.G.= 0.75 , CALC 80% PERF OPEN, PUMP 2009 BBLS SLK WTR &amp; 77069 # OTTAWA SAND W/ LAST 5000# TLC SAND, ISIP = 3330 # F.G.= 0.76, NPI = 34 #, MP = 6150 # MR = 52.9 B/M, AP = 5200 #, AR = 51.8 B/M, 72069 # 30/50 OTTAWA SD, 5000 # 20/40 TLC SD,                      144 GALS NALCO SCALE INHIB, 37 GALS NALCO BIOCIDE,                      COMMENTS = START 11:50, STOP 12:45</p> <p>( STG # 3 ) RIH W BAKER 8K CBP AND PERF GUNS, SET CBP @ 9950', PERF THE MESAVERDE @ 9918'- 9920' 4-SPF, 9854'- 9856' 4-SPF, 9776'- 9780' 3SPF, 9733'- 9735' 3-SPF, 9688'- 9690' 3-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 40 HOLES,                      WHP = 2066#                      BRK DN PERF @ 6700 # @ 7 B/M, INJ-RT = 50 B/M,, INJ-P = 5330 #, ISIP = 3238 #, F.G.= 0.76 , CALC 90% PERF OPEN, PUMP 1375 BBLS SLK WTR &amp; 53426 # OTTAWA SAND W/ LAST 5000# TLC SAND, ISIP = 3131 # F.G.= 0.75, NPI = -107 #, MP = 6606 # MR = 51 B/M, AP = 4800 #, AR = 50 B/M, 48426 # 30/50 OTTAWA SD, 5000 # 20/40 TLC SD,                      122 GALS NALCO SCALE INHIB, 28 GALS NALCO BIOCIDE,                      COMMENTS = START 14:00, STOP 14:40</p> <p>( STG #4 ) RIH W BAKER 8K CBP AND PERF GUNS, SET CBP @ 9606', PERF THE MESAVERDE @ 9572'- 9576' 3-SPF, 9442'- 9444' 4-SPF, 9400'- 9402' 4-SPF, 9374'- 9376' 3-SPF, 9352'- 9354' 3-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 40 HOLES,                      WHP = 2373 #                      BRK DN PERF @ 5820 # @ 11 B/M, INJ-RT = 50 B/M,, INJ-P = 5450 #, ISIP = 3155 #, F.G.= 0.76 , CALC 80% PERF OPEN, PUMP 2056 BBLS SLK WTR &amp; 78033 # OTTAWA SAND W/ LAST 5000# TLC SAND, ISIP = 3394 # F.G.= 0.79, NPI = 239 #,</p>

US ROCKIES REGION

Operation Summary Report

Well: NBU 920-20N		Spud Conductor: 10/20/2008		Spud Date: 10/22/2008	
Project: UTAH-UINTAH		Site: NBU 920-20N		Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION		Start Date: 1/8/2010		End Date: 1/16/2010	
Active Datum: RKB @4,776.00ft (above Mean Sea Level) UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0					

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								<p>MP = 6369 # MR = 51 B/M, AP = 4977 #, AR = 50.2 B/M, 73033 # 30/50 OTTAWA SD, 5000 # 20/40 TLC SD, 169 GALS NALCO SCALE INHIB, 38 GALS NALCO BIOCIDES, COMMENTS =</p> <p>( STG # 5 ) RIH W BAKER 8K CBP AND PERF GUNS, SET CBP @ 9950', PERF THE MESAVERDE @ 9268'- 9274', 9182'- 9186', 9050'- 9054', 3-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 40 HOLES, WHP = 2372 # BRK DN PERF @ 3479 # @ 3 B/M, INJ-RT = 50 B/M, INJ-P = 5324 #, ISIP = 3126 #, F.G.= 0.77 , CALC 84% PERF OPEN, PUMP 1582 BBLS SLK WTR &amp; 64515 # OTTAWA SAND W/ LAST 5000# TLC SAND, ISIP = 3610 #, F.G.= 0.82 , NPI = 484 #, MP = 5637 # MR = 52.6 B/M, AP = 4510 #, AR = 43.6 B/M, 59515 # 30/50 OTTAWA SD, 5000 # 20/40 TLC SD, 122 GALS NALCO SCALE INHIB, 30 GALS NALCO BIOCIDES, COMMENTS = LOST THREE PUMPS IN FRAC,</p> <p>( STG #6 ) RIH W BAKER 8K CBP AND PERF GUNS, SET CBP @ 9606', PERF THE MESAVERDE @ 8858'- 8862' 3-SPF, 8656'- 8662' 3-SPF, 8592'- 8596' 2-SPF, USING 3 3/8" EXP GUNS, 23gm, 0.36 HOLE, 90* PHS, 40 HOLES,</p> <p>DO NOT HAVE ENOUGH PUMPS TO PUMP STG 6, SHUT WELL IN DRAIN UP LINES, SDFN, JSA-SAFETY MEETING #6, DAY 6, WAIT ON FRAC TECH</p> <p>( STG #6 ) WHP = 2538 #, BRK DN PERF @ 5875 # @ 3 B/M, INJ-RT = 50 B/M, INJ-P = 5478 #, ISIP = 2777 #, F.G.= 0.75 , CALC 66% PERF OPEN, PUMP 2254 BBLS SLK WTR &amp; 89571 # OTTAWA SAND, TAIL IN W/ 5000# TLC SAND, ISIP = 3482 #, F.G.= 0.83 , NPI = 705 #, MP = 5875 #, MR = 51 B/M, AP = 5044 #, AR = 50.1 B/M, 84571# 30/50 OTTAWA SAND, 5000# 20/40 TLC SAND, 110 GALS NALCO SCALE INHIB, 44 GALS NALCO BIOCIDES, COMMENTS = START 10:00 AM STOP 11:00 AM</p> <p>( KILL PLUG ) RIH W/ BAKER 8K CBP, SET CBP @ 8542', POOH, R/D WIRELINE &amp; FRAC TECH,</p> <p>TOTAL FLUID = 10270 BBLS SLK WTR TOTAL SAND = 393611# TOTAL NALCO SCALE INHIB = 827 GALS TOTAL NALCO BIOCIDES = 196 GALS N/D FRAC VALVE, N/U BOPS, P/U 3 7/8" BIT AND POBS, TIH W/ 2 3/8" TBG TO 8500', R/U POWER SWIVEL, READY TO DRILL CBP IN AM, SHUT WELL IN, SDFN JSA-SAFETY MEETING #7, DAY 7</p>
1/15/2010	8:00 - 10:00	2.00	COMP	48		P		
	10:00 - 13:00	3.00	COMP	36	E	P		
	13:00 - 16:00	3.00	COMP	31	I	P		
1/16/2010	7:00 - 7:15	0.25	COMP	48		P		

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

Well: NBU 920-20N		Spud Conductor: 10/20/2008	Spud Date: 10/22/2008
Project: UTAH-UINTAH		Site: NBU 920-20N	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION		Start Date: 1/8/2010	End Date: 1/16/2010
Active Datum: RKB @4,776.00ft (above Mean Sea Level) UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 18:30	11.25	COMP	44	C	P		<p>R/U POWER SWIVEL, TAG CBP @ 8542', ESTB CIRC DN TBG OUT CSG.</p> <p>( DRLG CBP #1 ) 8542', DRILL OUT BAKER 8K CBP IN 25 MIN, 2000# DIFF, RIH TAG @ 8862 ', C/O 30 ' SAND, FCP = 300 #,</p> <p>( DRLG CBP #2 ) 8892', DRILL OUT BAKER 8K CBP IN 20 MIN, 1300 # DIFF, RIH TAG @ 9273 ', C/O 30 ' SAND, FCP = 450#,</p> <p>( DRLG CBP #3 ) 9304', DRILL OUT BAKER 8K CBP IN 25 MIN, 800 # DIFF, RIH TAG @ 9576 ', C/O 30 ' SAND, FCP = 525 #,</p> <p>( DRLG CBP #4 ) 9606', DRILL OUT BAKER 8K CBP IN 20 MIN, 300 # DIFF, RIH TAG @ 9925 ', C/O 30 ' SAND, FCP = 525 #,</p> <p>( DRLG CBP #5 ) 9950', DRILL OUT BAKER 8K CBP IN 25 MIN, 200 # DIFF, RIH TAG @ 10278 ', C/O 30 ' SAND, FCP = 525 #,</p> <p>( DRLG CBP #6 ) 10312', DRILL OUT BAKER CBP IN 15 MIN, 200 # DIFF, RIH TAG SAND @ 10745 ', C/O 50' SAND TO PBTD @ 10795', FCP = 500 #,</p> <p>CIRC WELL CLEAN, R/D POWER SWIVEL, POOH LAY DN 25 JTS ON TRAILER, LAND TBG W/ TBG HANGER W/ 315 JTS 2 3/8" L-80 TBG, EOT @ 10015.21',</p> <p>N/D BOPS, DROP BALL DN TBG, N/U WH, PUMP OFF BIT SUB @ 1800 #, WAIT 30 MIN FOR BIT TO FALL, OPEN WELL TO TK W/ # FTP AND # SICP, TURN WELL OVER TO FLOW BACK CREW @ 5:30 PM, W/ 8002 BBLS WTR LTR, R/D UNIT MOVE OFF LOC,</p> <p>KB = 13.00'</p> <p>HANGER = .83'</p> <p>315 JTS 2 3/8" L-80 TBG = 9999.18'</p> <p>XN-NIPPLE 1.875 = 2.20'</p> <p style="text-align: right;">-----</p> <p style="text-align: right;">EOT = 10015.21'</p> <p>347 JTS 2 3/8" L-80 TBG DELV.</p> <p>315 JTS 2 3/8" L-80 TBG LANDED</p> <p>5 JT 2 3/8" L-80 TBG BAD</p> <p>27 JTS 2 3/8" L-80 TBG RETURNED</p>
1/17/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 2325#, TP 1725#, 20/64" CK, 60 BWPH, HEAVY SAND, - GAS</p> <p>TTL BBLS RECOVERED: 3788</p> <p>BBLS LEFT TO RECOVER: 6882</p>
1/18/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 2900#, TP 1950#, 20/64" CK, 50 BWPH, HEAVY SAND, - GAS</p> <p>TTL BBLS RECOVERED: 4993</p> <p>BBLS LEFT TO RECOVER: 5677</p>
1/19/2010	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 3050#, TP 1925#, 20/64" CK, 30 BWPH, MEDIUM SAND, - GAS</p> <p>TTL BBLS RECOVERED: 6027</p> <p>BBLS LEFT TO RECOVER: 4643</p>
	7:00 -		PROD	50				<p>WELL TURNED TO SALE @ 1330 HR ON 1/19/10 - FTP 1850#, CP 2950#, 1950 MCFD, 50 BWPD, 20/64 CK</p>

**US ROCKIES REGION**

**Operation Summary Report**

Well: NBU 920-20N		Spud Conductor: 10/20/2008	Spud Date: 10/22/2008
Project: UTAH-UINTAH		Site: NBU 920-20N	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION		Start Date: 1/8/2010	End Date: 1/16/2010
Active Datum: RKB @4,776.00ft (above Mean Sea Level) UWI: SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1,885.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/20/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2650#, TP 1700#, 20/64" CK, 30 BWPH, MEDIUM SAND, 1.9 GAS TTL BBLs RECOVERED: 6723 BBLs LEFT TO RECOVER: 3947
1/21/2010	7:00 -			33	A			7 AM FLBK REPORT: CP 2350#, TP 1525#, 20/64" CK, 23 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 7254 BBLs LEFT TO RECOVER: 3416
	7:30 -		PROD	50				WELL IP'D ON 1/21/10 - 1822 MCFD, 400 BWPD, CP 1880#, FTP 1167#, CK 20/64", LP 121#, 24 HRS

# 1 General

## 1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

## 1.2 Well Information

Well	NBU 920-20N	Wellbore No.	OH
Well Name	NBU 920-20N	Common Name	NBU 920-20N
Project	UTAH-UINTAH	Site	NBU 920-20N
Vertical Section Azimuth	0.00 (°)	North Reference	True
Origin N/S	0.0 (ft)	Origin E/W	0.0 (ft)
Spud Date	10/22/2008	UWI	SE/SW/0/9/S/20/E/20/0/0/6/PM/S/803.00/W/0/1, 885.00/0/0
Active Datum	RKB @4,776.00ft (above Mean Sea Level)		

# 2 Survey Name

## 2.1 Survey Name: PRODUCTION SURVEY

Survey Name	PRODUCTION SURVEY	Company	APC
Started	11/1/2008	Ended	
Tool Name	TD	Engineer	Anadarko

### 2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
2,883.00	0.08	0.00	2,883.00	0.00	0.00

### 2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
11/1/2008	Tie On	2,883.00	0.08	0.00	2,883.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
11/1/2008	NORMAL	2,967.00	1.00		2,967.00	0.79	0.00	0.79	1.10	1.10	0.00	0.00
	NORMAL	3,057.00	1.10		3,056.98	2.44	0.00	2.44	0.11	0.11	0.00	0.00
	NORMAL	3,146.00	1.20		3,145.96	4.23	0.00	4.23	0.11	0.11	0.00	0.00
	NORMAL	3,235.00	1.30		3,234.94	6.17	0.00	6.17	0.11	0.11	0.00	0.00
	NORMAL	3,324.00	0.90		3,323.92	7.88	0.00	7.88	0.45	-0.45	0.00	180.00
	NORMAL	3,413.00	0.90		3,412.91	9.28	0.00	9.28	0.00	0.00	0.00	0.00
	NORMAL	3,501.00	0.80		3,500.90	10.58	0.00	10.58	0.11	-0.11	0.00	180.00
	NORMAL	3,600.00	0.60		3,599.90	11.79	0.00	11.79	0.20	-0.20	0.00	180.00
11/2/2008	NORMAL	3,689.00	0.80		3,688.89	12.88	0.00	12.88	0.22	0.22	0.00	0.00
	NORMAL	3,777.00	0.40		3,776.88	13.80	0.00	13.80	0.45	-0.45	0.00	180.00
	NORMAL	3,961.00	0.30		3,960.88	14.92	0.00	14.92	0.05	-0.05	0.00	180.00
11/2/2009	NORMAL	4,148.00	0.40		4,147.88	16.07	0.00	16.07	0.05	0.05	0.00	0.00
	NORMAL	4,523.00	0.90		4,522.85	20.32	0.00	20.32	0.13	0.13	0.00	0.00
	NORMAL	4,730.00	0.70		4,729.83	23.21	0.00	23.21	0.10	-0.10	0.00	180.00
11/3/2009	NORMAL	5,047.00	1.50		5,046.77	29.30	0.00	29.30	0.25	0.25	0.00	0.00
	NORMAL	5,359.00	0.90		5,358.70	35.83	0.00	35.83	0.19	-0.19	0.00	180.00
	NORMAL	5,643.00	0.80		5,642.67	40.04	0.00	40.04	0.04	-0.04	0.00	180.00
	NORMAL	5,960.00	0.70		5,959.64	44.19	0.00	44.19	0.03	-0.03	0.00	180.00
	NORMAL	6,231.00	1.00		6,230.61	48.21	0.00	48.21	0.11	0.11	0.00	0.00

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
11/3/2009	NORMAL	6,544.00	1.60		6,543.53	55.31	0.00	55.31	0.19	0.19	0.00	0.00
11/4/2009	NORMAL	6,857.00	1.30		6,856.43	63.23	0.00	63.23	0.10	-0.10	0.00	180.00
	NORMAL	7,140.00	1.60		7,139.34	70.39	0.00	70.39	0.11	0.11	0.00	0.00
11/6/2009	NORMAL	7,582.00	1.80		7,581.14	83.51	0.00	83.51	0.05	0.05	0.00	0.00
	NORMAL	7,870.00	1.50		7,869.02	91.80	0.00	91.80	0.10	-0.10	0.00	180.00
	NORMAL	8,188.00	1.00		8,186.95	98.74	0.00	98.74	0.16	-0.16	0.00	180.00
	NORMAL	8,505.00	1.30		8,503.88	105.10	0.00	105.10	0.09	0.09	0.00	0.00
11/7/2009	NORMAL	8,776.00	0.08		8,774.86	108.36	0.00	108.36	0.45	-0.45	0.00	180.00
	NORMAL	9,094.00	0.06		9,092.86	108.75	0.00	108.75	0.01	-0.01	0.00	180.00
11/11/2009	NORMAL	10,443.00	1.80	0.00	10,441.63	130.65	0.00	130.65	0.13	0.13	0.00	0.00
11/12/2009	NORMAL	10,808.00	2.90	0.00	10,806.32	145.61	0.00	145.61	0.30	0.30	0.00	0.00