

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 <b>UTU-0582</b>
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 <b>TRIBAL SURFACE</b>
2 Name of Operator <b>WESTPORT OIL &amp; GAS COMPANY L.P.</b>		7 If Unit or CA Agreement, Name and No <b>NATURAL BUTTES UNIT</b>
3A Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>		8 Lease Name and Well No <b>NBU 920-27D</b>
3b Phone No (include area code) <b>(435) 781-7024</b>		9 API Well No <b>43-047-37904</b>
4 Location of Well (Report location clearly and in accordance with any State requirements*) At surface <b>NNW 731'FNL, 971'FWL 614549 X 40.011370</b> At proposed prod Zone <b>44296724 - 109.657875</b>		10 Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
14 Distance in miles and direction from nearest town or post office* <b>6.85 MILES SOUTHEAST OF OURAY, UTAH</b>		11 Sec, T, R, M, or Blk, and Survey or Area <b>SEC 27-T9S-R20E</b>
15 Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig unit line, if any) <b>731'</b>	16 No of Acres in lease <b>1433.57</b>	17 Spacing Unit dedicated to this well <b>40.00</b>
18 Distance from proposed location* to nearest well, drilling, completed, applied for on this lease, ft <b>REFER TO TOPO C</b>	19 Proposed Depth <b>10,300'</b>	20 BLM/BIA Bond No on file <b>CO-1203</b>
21 Elevations (Show whether DF, KDB, RT, GL, etc) <b>4816'GL</b>	22 Approximate date work will start* <b>UPON APPROVAL</b>	23 Estimated duration <b>TO BE DETERMINED</b>

24 Attachments

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

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

25 Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>2/28/2006</b>
Title <b>REGULATORY ANALYST</b>		
Approved by Signature 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>03-20-06</b>
Title <b>ENVIRONMENTAL MANAGER</b>		

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

Conditions of approval, if any, are attached

Title 18 USC Section 1001 and Title 43 USC 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)

MAR 10 2006

**Federal Approval of this  
Action is Necessary**

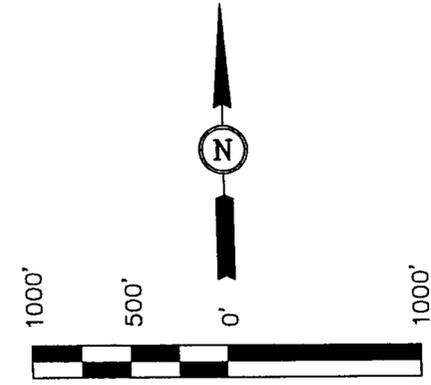
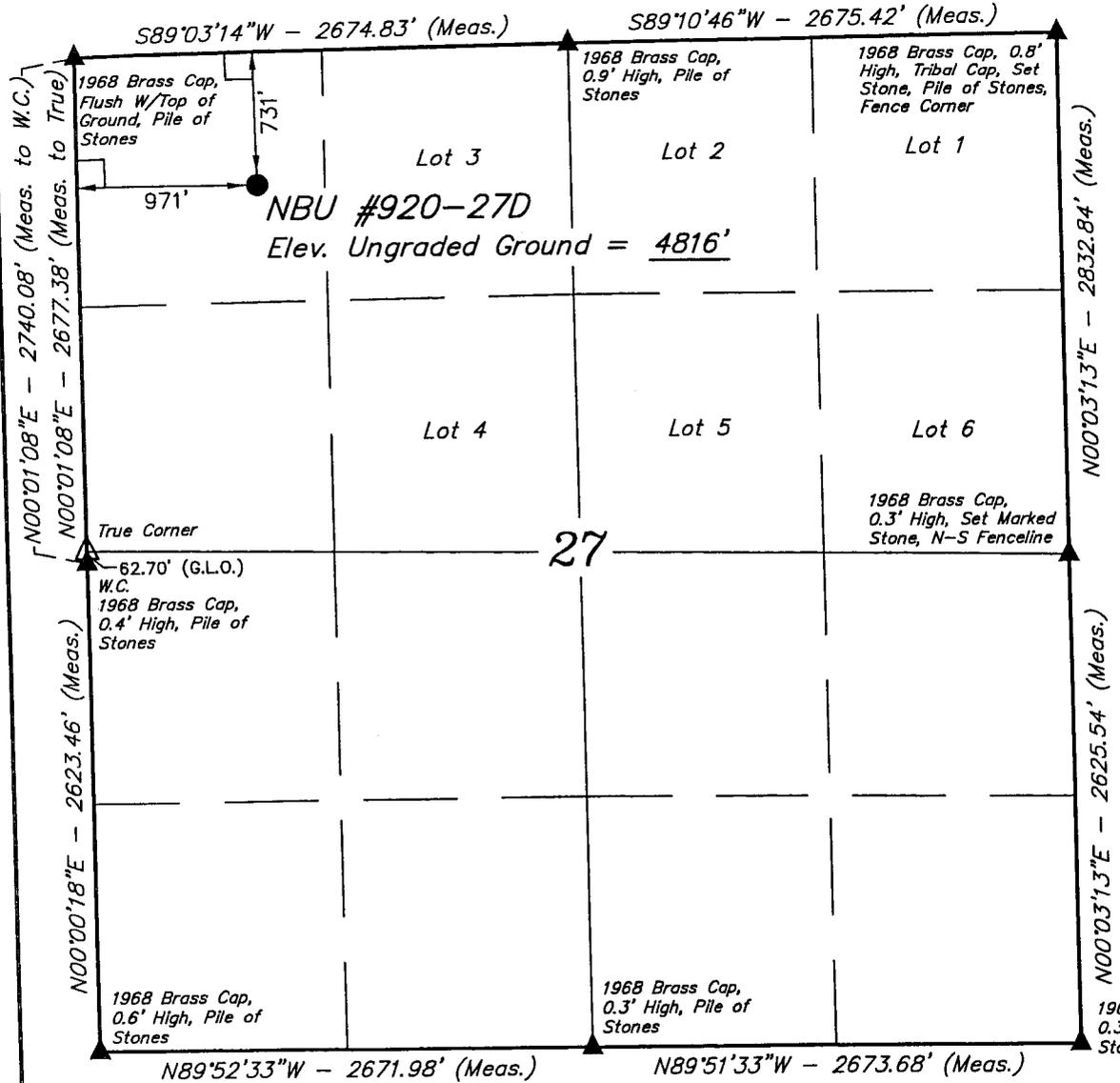
T9S, R20E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #920-27D, located as shown in the NW 1/4 NW 1/4 of Section 27, 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.

*[Signature]*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**LEGEND:**

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.
- △ = SECTION CORNERS RE-ESTABLISHED (Not Set On Ground)

**BASIS OF BEARINGS**

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

(NAD 83)  
 LATITUDE = 40°00'40.92" (40.011367)  
 LONGITUDE = 109°39'30.84" (109.658567)  
 (NAD 27)  
 LATITUDE = 40°00'41.05" (40.011403)  
 LONGITUDE = 109°39'28.35" (109.657875)

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

SCALE 1" = 1000'	DATE SURVEYED: 12-16-05	DATE DRAWN: 1-9-06
PARTY D.K. L.K. K.G.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 920-27D  
NWNW SEC 27-T9S-R20E  
UINTAH COUNTY, UTAH  
LEASE NUMBER: UTU-0582

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	1900'
Wasatch	5275'
Mesaverde	8250'
Total Depth	10,300'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1900'
	Wasatch	5275'
Gas	Mesaverde	8250'
Gas	N/A	
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 10,300' TD approximately equals 6,386 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4,120 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. **Variations:**

*Please see the Natural Buttes Unit SOP.*

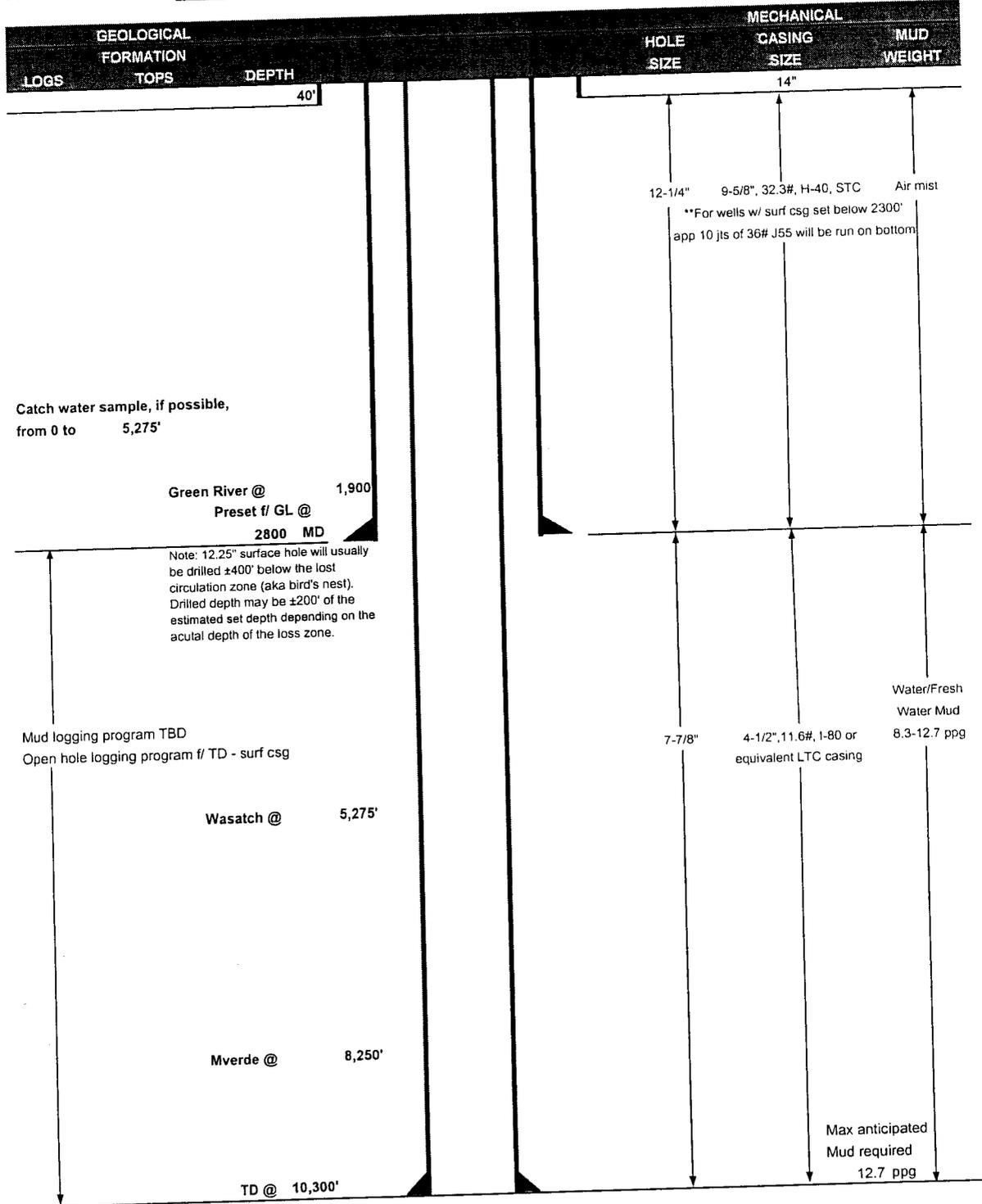
10. **Other Information:**

*Please see the Natural Buttes Unit SOP.*



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE February 28, 2006  
 WELL NAME NBU 920-27D TD 10,300' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,816' GL KB 4,831'  
 SURFACE LOCATION NWNW SECTION 27-T9S-R20E 731'FNL & 971'FWL BHL Straight Hole  
 Latitude: 40.011367 Longitude: 109.658567  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM Minerals, 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'					2270	1370	254000
SURFACE	9-5/8"	0	to 2400	32.30	H-40	STC	0.50*****	1.22	3.21
							3520	2020	564000
PRODUCTION	9-5/8"	2400	to 2800	36.00	J-55	STC	1.01*****	1.54	7.12
							10690	7560	279000
	4-1/2"	0	to 10300	11.60	I-80	LTC	2.36	1.11	2.68

- 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 4536 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
<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>							
SURFACE Option 2	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	4,770'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	520	60%	11.00	3.38
	TAIL	5,530'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1550	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.

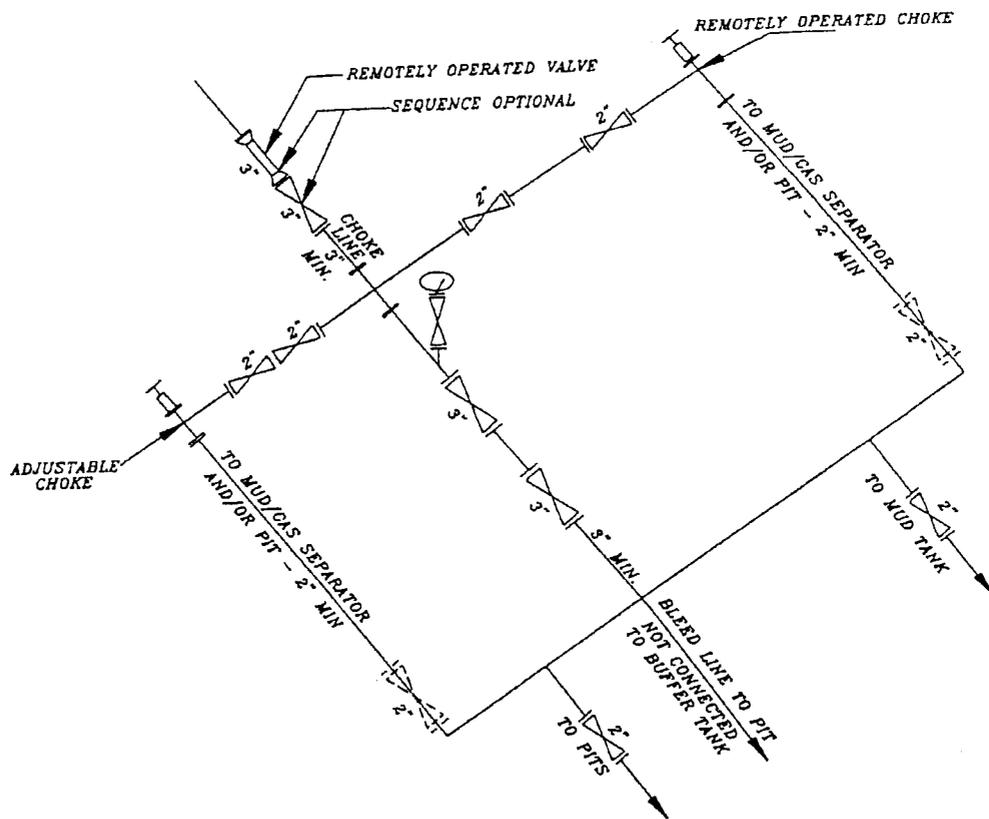
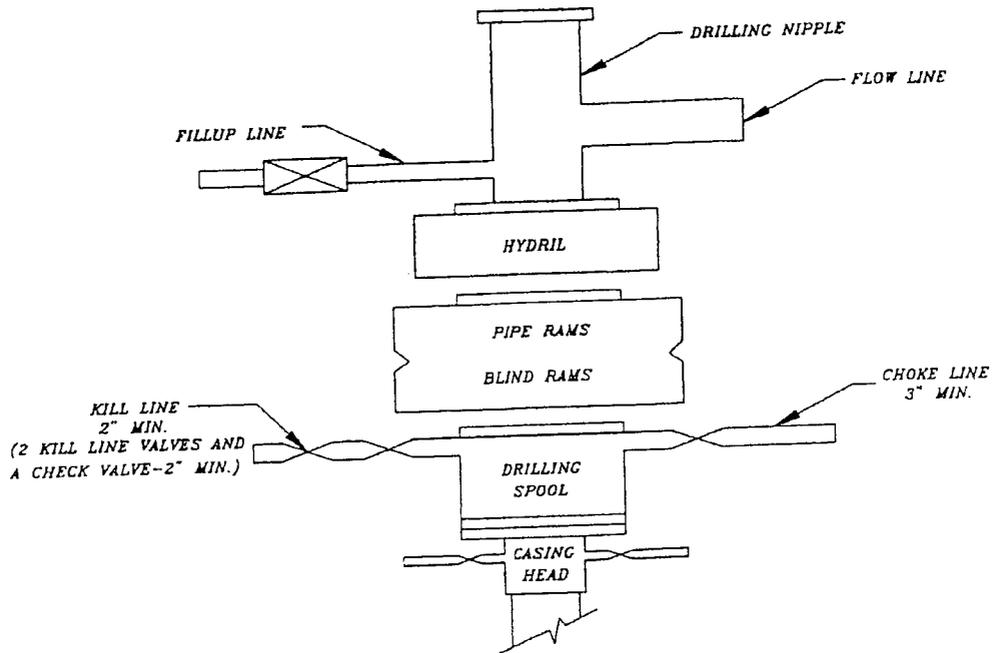
DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney

DATE: \_\_\_\_\_

DRILLING SUPERINTENDENT: \_\_\_\_\_  
Randy Bayne NBU920-27D\_P110\_APD(pipeline).xls

DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 920-27D  
NWNW SEC 27-T9S-R20E  
UINTAH COUNTY, UTAH  
LEASE NUMBER: UTU-0582**

**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).*

Approximately 0.1 +/- Miles of proposed access road. Refer to Topo Map B.

**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.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5Y 6/2), a non-reflective earthtone.

**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) will be installed if 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.

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

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.

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

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

Sheila Upchego  
Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

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.

  
Sheila Upchego

02/28/2006

Date

# Kerr-McGee Oil & Gas Onshore LP

NBU #920-27D

SECTION 27, 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; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.4 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 0.35 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 37.85 MILES.

# Kerr-McGee Oil & Gas Onshore LP

NBU #920-27D

LOCATED IN UINTAH COUNTY, UTAH

SECTION 27, T9S, R20E, S.L.B.&M.

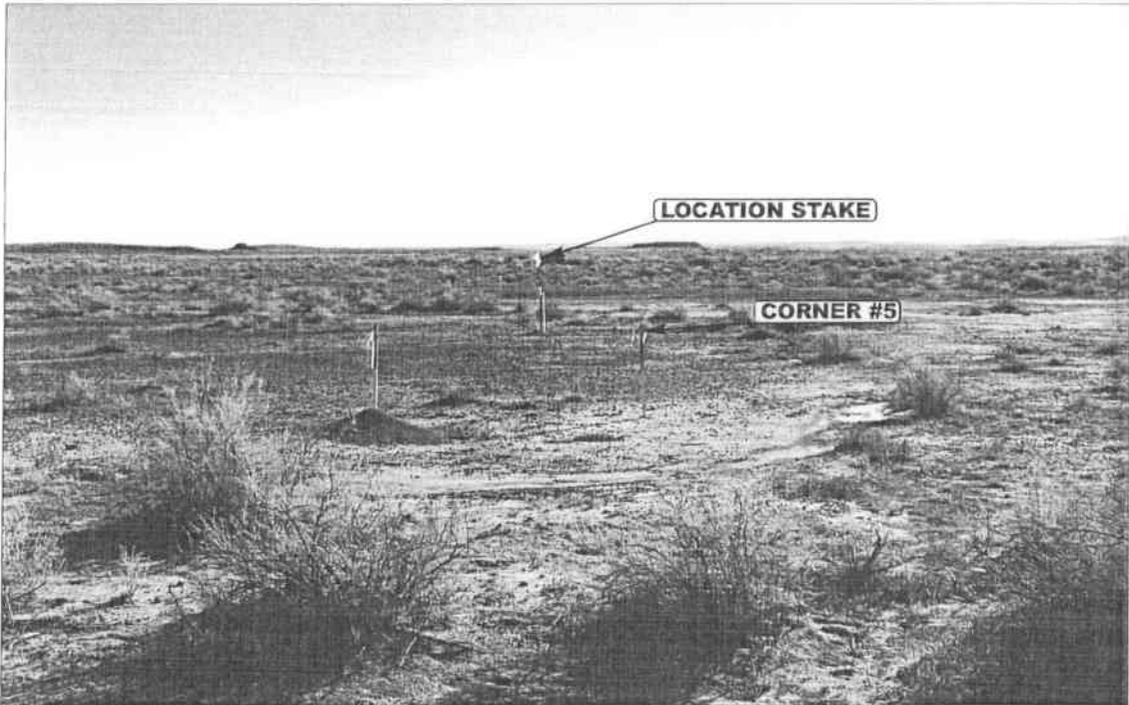


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

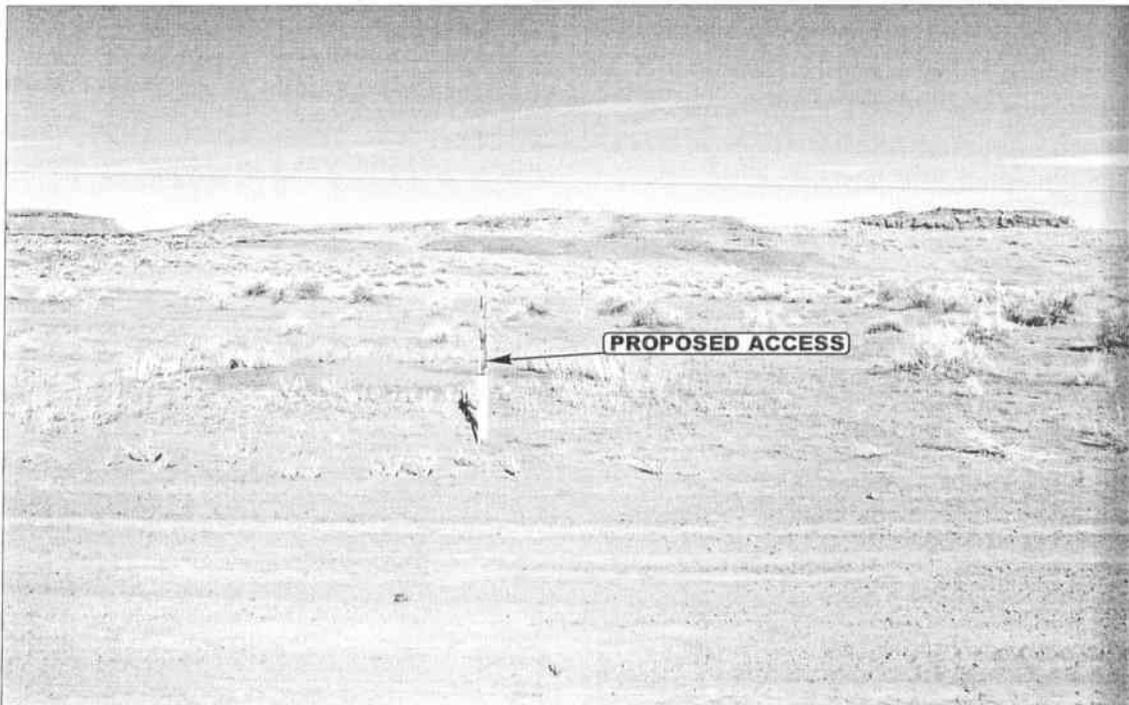


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

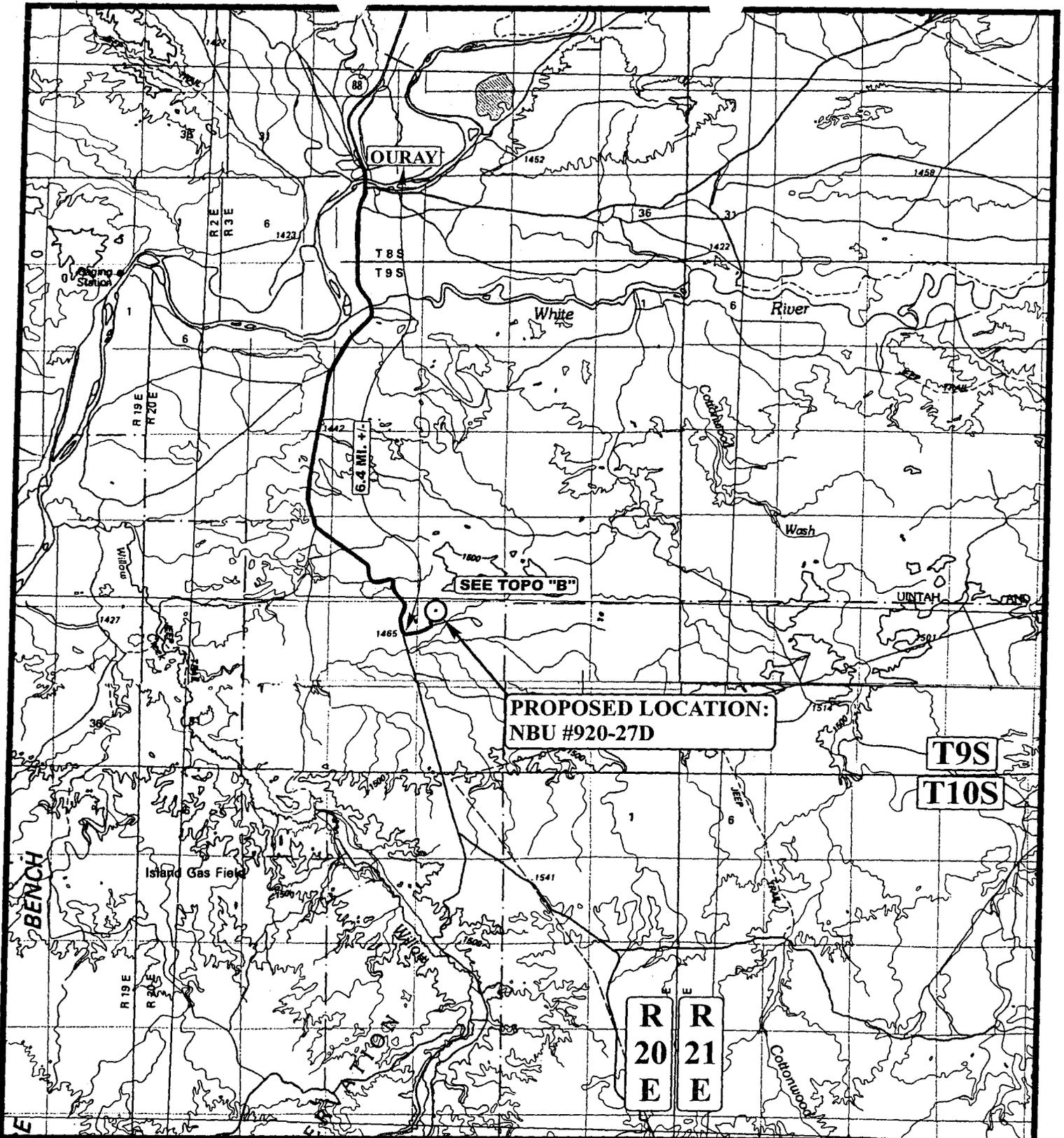
CAMERA ANGLE: NORTHERLY



- Since 1964 -

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

LOCATION PHOTOS	12	29	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 00-00-00		



SEE TOPO "B"

**PROPOSED LOCATION:  
NBU #920-27D**

**T9S  
T10S**

**R 20 E  
R 21 E**

**LEGEND:**

⊙ PROPOSED LOCATION

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

**NBU #920-27D  
SECTION 27, T9S, R20E, S.L.B.&M.  
731' FNL 971' FWL**



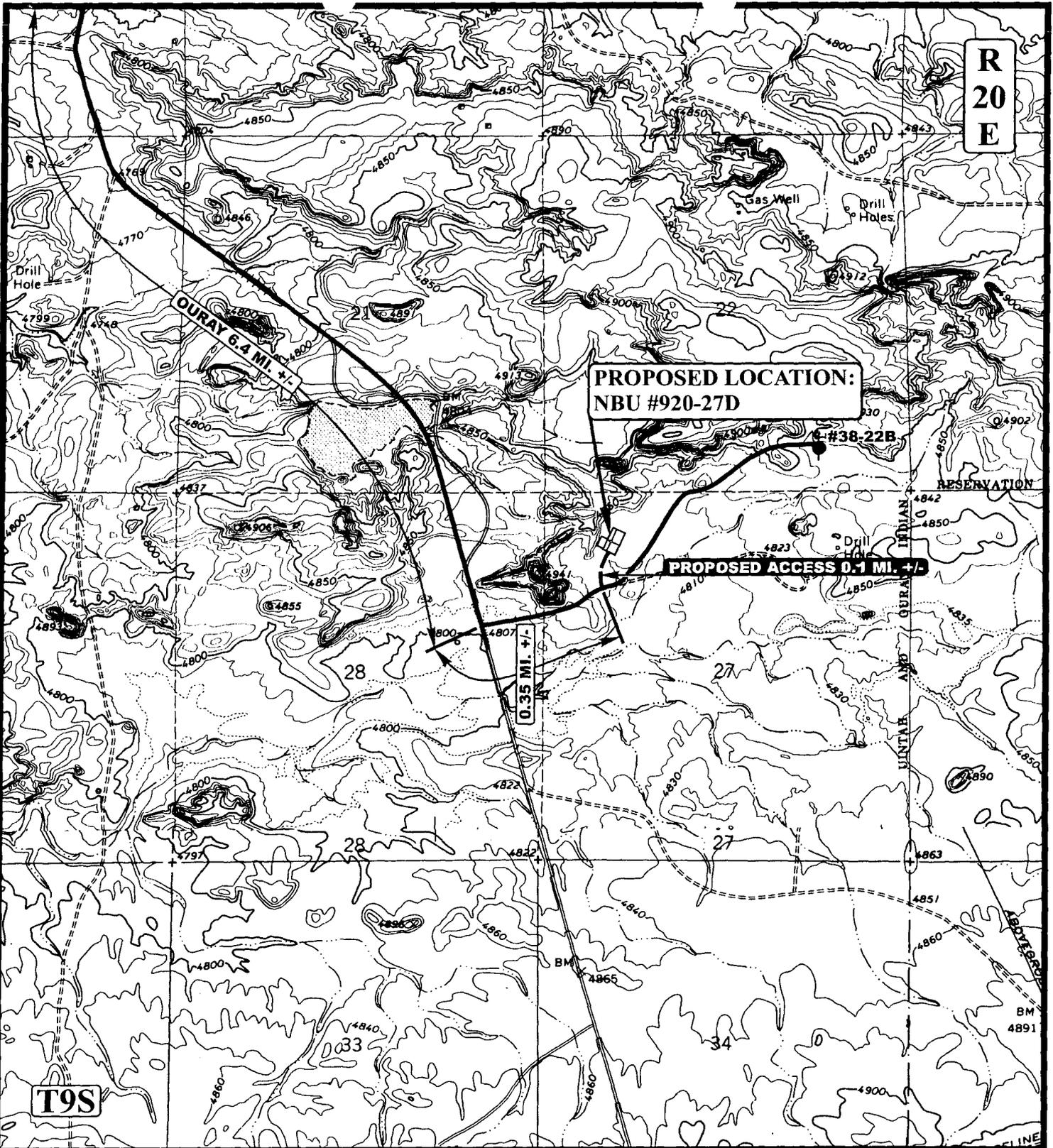
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC MAP** 12 29 05  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00



R  
20  
E



**LEGEND:**

-  EXISTING ROAD
-  PROPOSED ACCESS ROAD



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

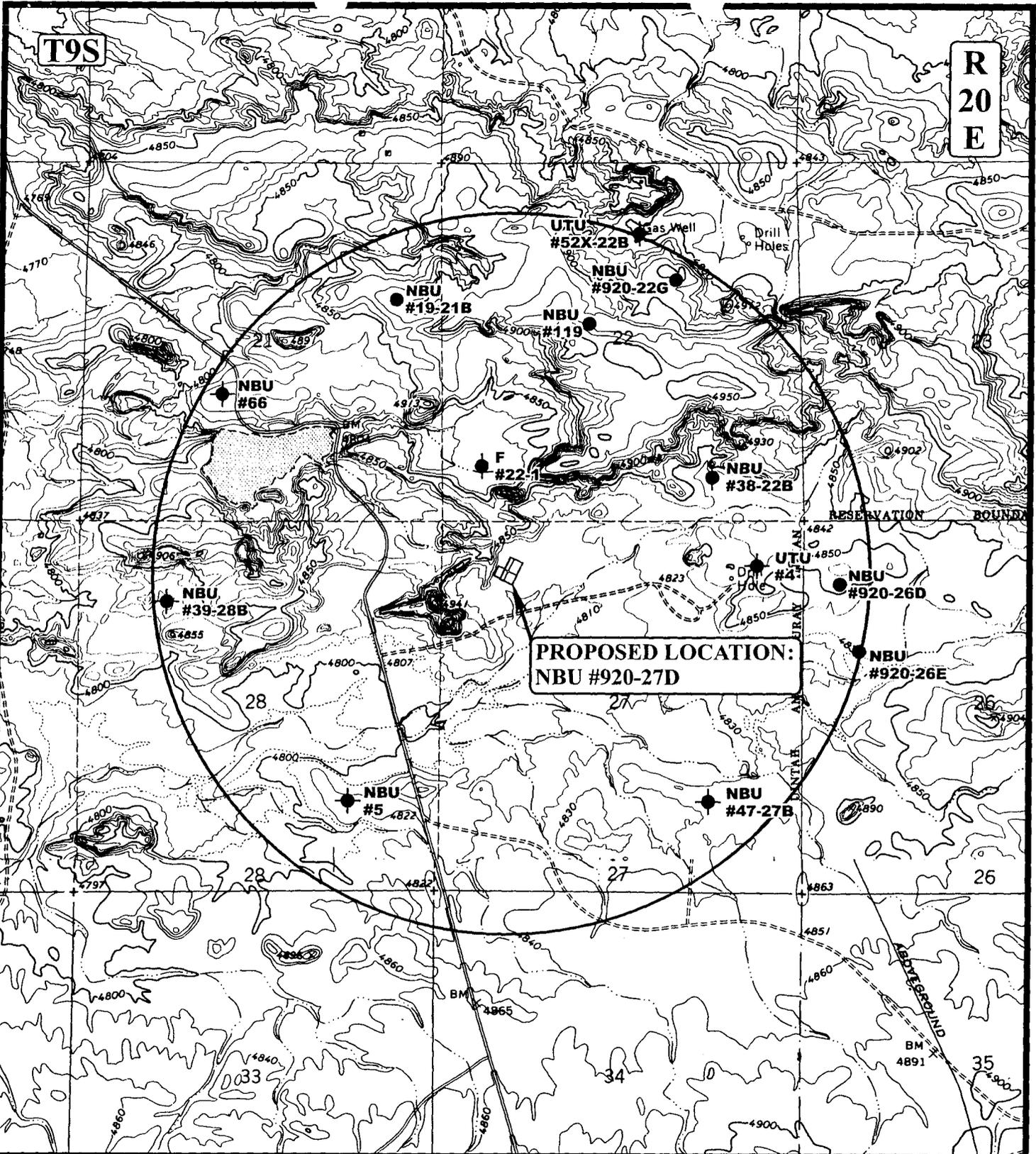
NBU #920-27D  
 SECTION 27, T9S, R20E, S.L.B.&M.  
 731' FNL 971' FWL



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

TOPOGRAPHIC 12 29 05  
 MAP MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





**PROPOSED LOCATION:  
NBU #920-27D**

**LEGEND:**

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

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

**NBU #920-27D**  
**SECTION 27, T9S, R20E, S.L.B.&M.**  
**731' FNL 971' FWL**



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

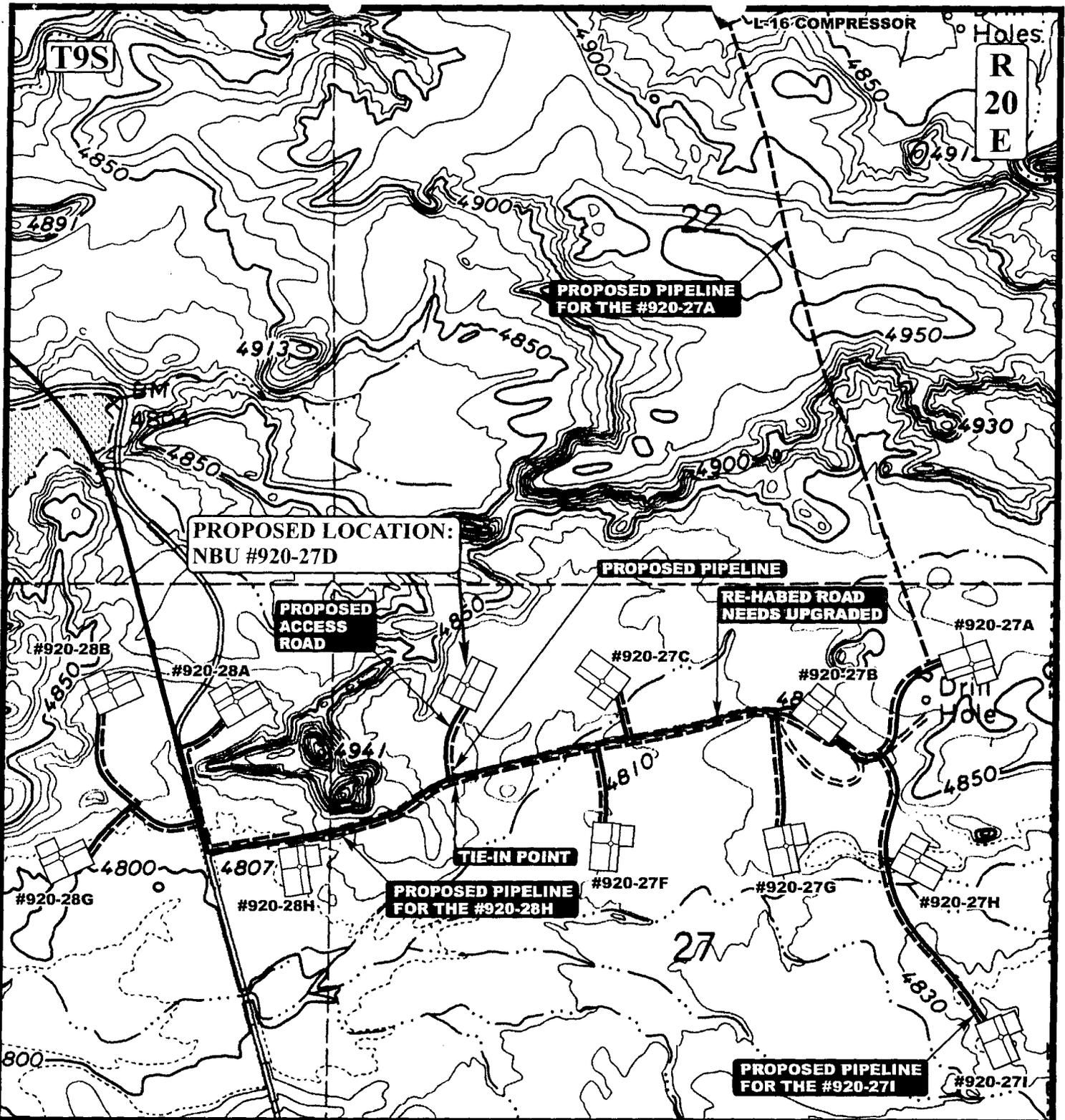


**TOPOGRAPHIC**  
**MAP**

<b>12</b>	<b>29</b>	<b>05</b>
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 484' +/-

**LEGEND:**

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

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

NBU #920-27D  
 SECTION 27, T9S, R20E, S.L.B.&M.  
 731' FNL 971' FWL

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



TOPOGRAPHIC	12	29	05	<b>D</b> TOPO
MAP	MONTH	DAY	YEAR	
SCALE: 1" = 1000'	DRAWN BY: C.P.		REVISED: 00-00-00	

# Kerr-McGee Oil & Gas Onshore LP

NBU #920-27D

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 27, T9S, R20E, S.L.B.&M.

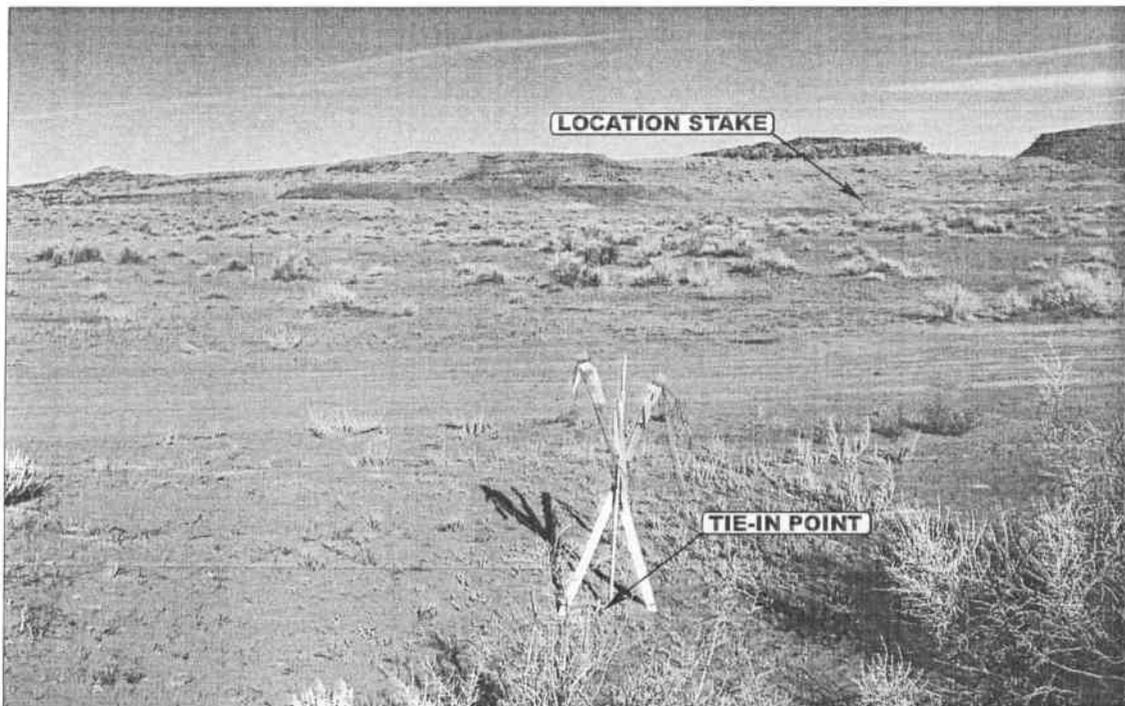


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHERLY



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

- Since 1964 -

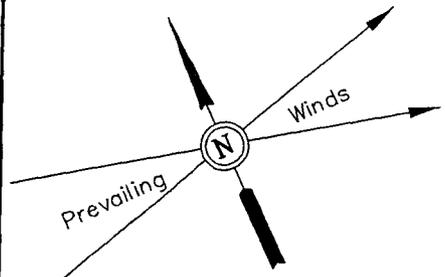
PIPELINE PHOTOS	12	29	05	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.K.	DRAWN BY: C.P.	REVISED: 00-00-00		

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #920-27D  
SECTION 27, T9S, R20E, S.L.B.&M.  
731' FNL 971' FWL



SCALE: 1" = 50'  
DATE: 1-9-06  
Drawn By: K.G.

Existing Drainage

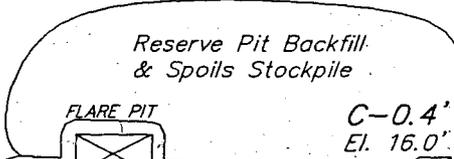
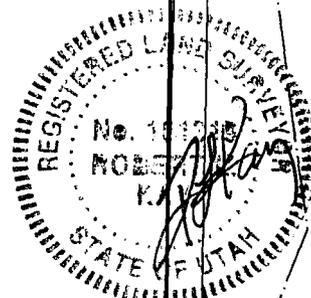
C-2.2'  
El. 17.8'

C-0.9'  
El. 16.5'

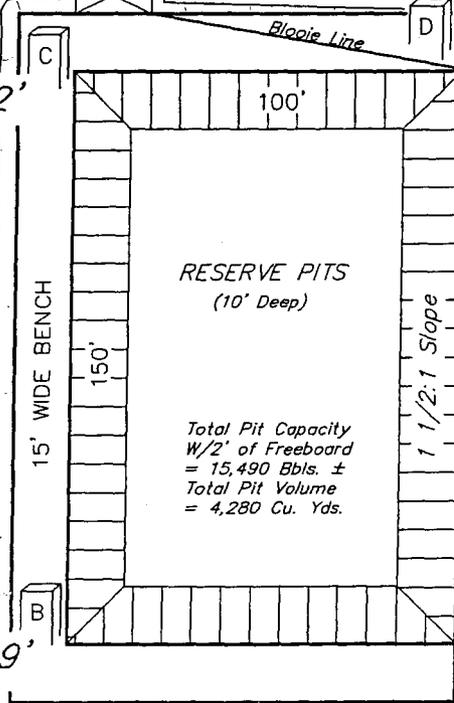
CONSTRUCT DIVERSION DITCH

Approx. Top of Cut Slope

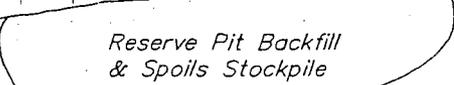
NOTE:  
Flare Pit is to be located a min. of 100' from the Well Head.



El. 17.8'  
C-12.2'  
(btm. pit)



El. 18.5'  
C-12.9'  
(btm. pit)



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4815.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4815.6'

Proposed Access Road

Approx. Toe of Fill Slope

Existing Drainage

Kerr-McGee Oil & Gas Onshore LP

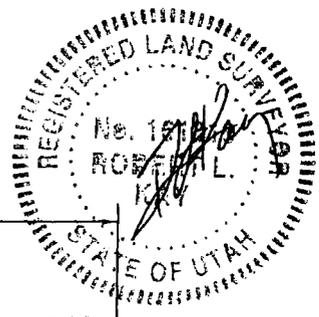
FIGURE #2

TYPICAL CROSS SECTIONS FOR

NBU #920-27D

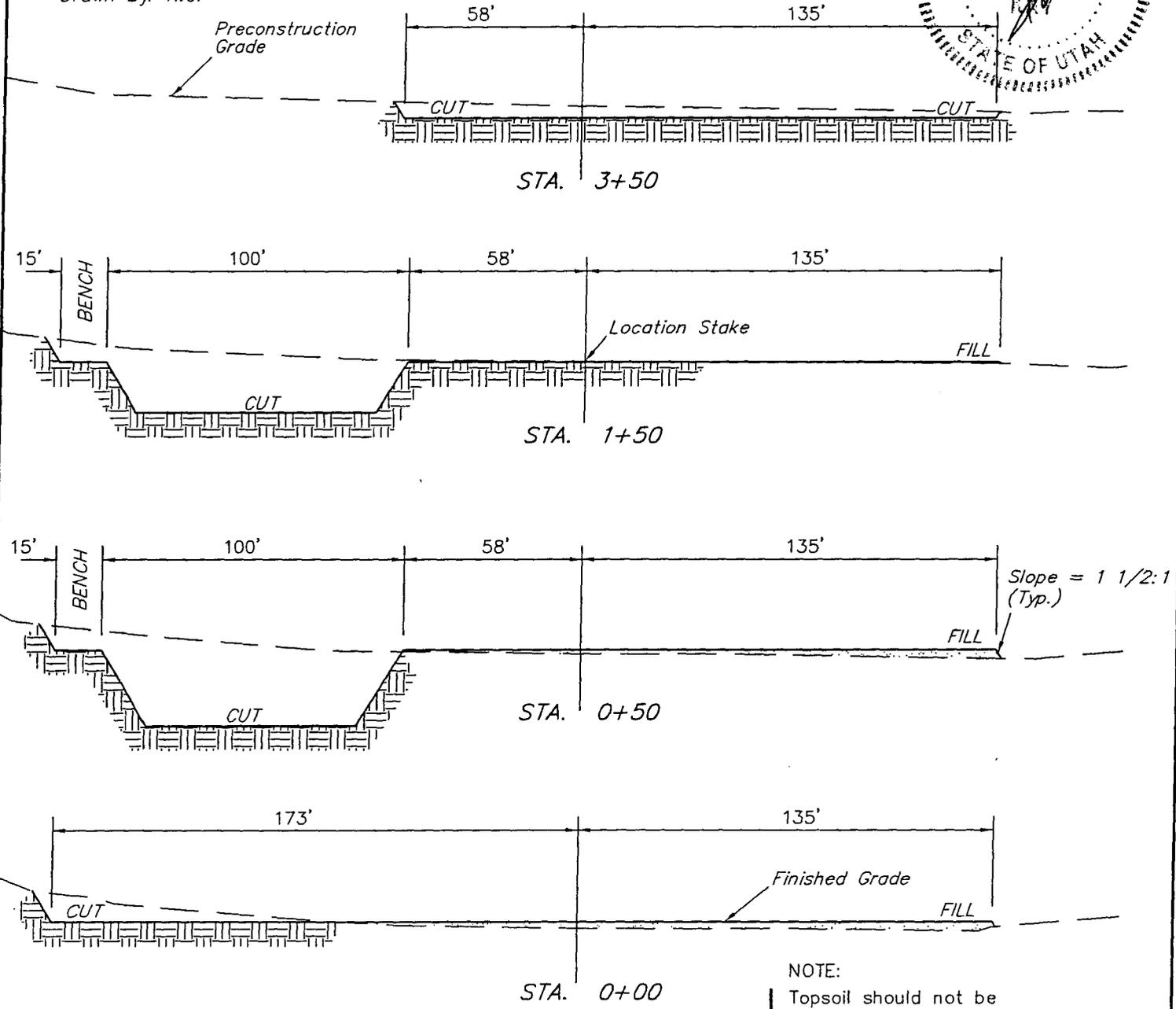
SECTION 27, T9S, R20E, S.L.B.&M.

731' FNL 971' FWL



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

DATE: 1-9-06  
Drawn By: K.G.



\* NOTE:  
FILL QUANTITY INCLUDES  
5% FOR COMPACTION

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

APPROXIMATE YARDAGES

CUT		
(12") Topsoil Stripping	=	3,440 Cu. Yds.
Remaining Location	=	4,590 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>8,030 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>2,450 CU.YDS.</b>

EXCESS MATERIAL	=	5,580 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	5,580 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 03/10/2006

API NO. ASSIGNED: 43-047-37904

WELL NAME: NBU 920-27D

OPERATOR: WESTPORT OIL & GAS CO ( N2115 )

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NWNW 27 090S 200E  
 SURFACE: 0731 FNL 0971 FWL  
 BOTTOM: 0731 FNL 0971 FWL  
 COUNTY: UINTAH  
 LATITUDE: 40.01137 LONGITUDE: -109.6579  
 UTM SURF EASTINGS: 614549 NORTHINGS: 4429672  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-0582  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. CO-1203 )
- 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:

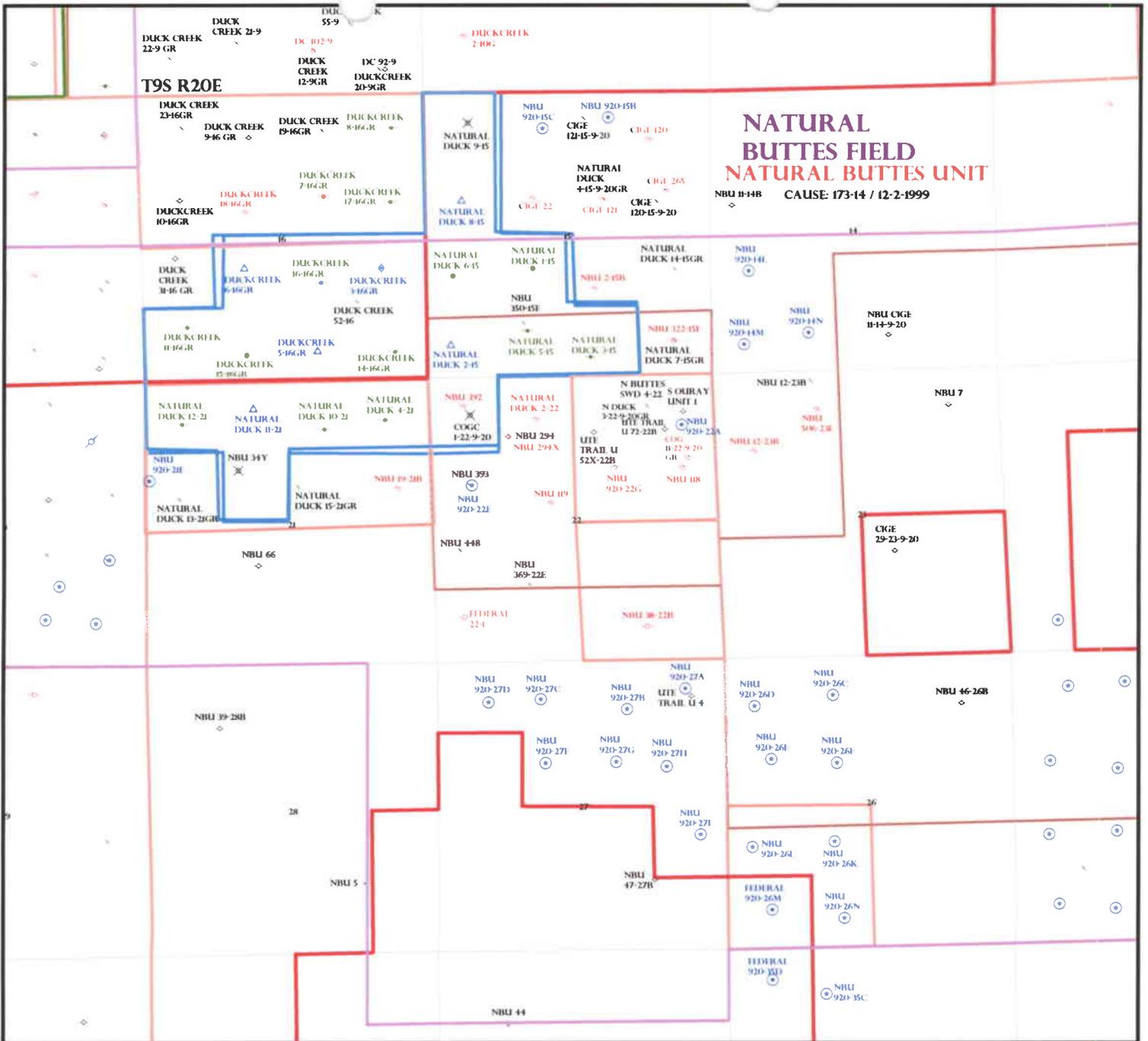
- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General  
Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: 123-14  
Eff Date: 12-2-99  
Siting: 460' fr u bedrock & u n comm. Trac
- R649-3-11. Directional Drill

COMMENTS:

See Separate file

STIPULATIONS:

- 1- Federal Approved
- 2- Oil Shale



**NATURAL BUTTES FIELD**  
**NATURAL BUTTES UNIT**  
 CAUSE: 173-14 / 12-2-1999

OPERATOR: WESTPORT O&G CO (N2115)

SEC: 14,15,21,22,27 T. 10S R. 21E

FIELD: NATURAL BUTTES (630)

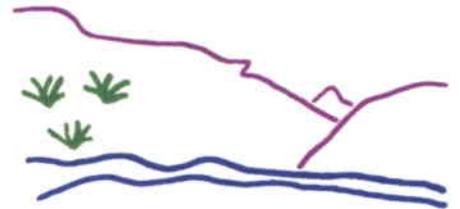
COUNTY: UINTAH

CAUSE: 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-MARCH-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 17, 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)

43-047-37910	NBU 1021-24I	Sec 24 T10S R21E 2272 FSL 0870 FEL
43-047-37911	NBU 1021-24C	Sec 24 T10S R21E 0626 FNL 1887 FWL
43-047-37912	NBU 1021-24B	Sec 24 T10S R21E 0905 FNL 1648 FEL
43-047-37913	NBU 1021-25G	Sec 25 T10S R21E 2445 FNL 2079 FEL
43-047-37914	NBU 1021-25H	Sec 25 T10S R21E 2377 FNL 0127 FEL
43-047-37917	NBU 1021-25E	Sec 25 T10S R21E 2301 FNL 0183 FWL
43-047-37907	NBU 1021-03L	Sec 03 T10S R21E 2618 FSL 0315 FWL
43-047-37908	NBU 1021-03D	Sec 03 T10S R21E 0285 FNL 0915 FWL
43-047-37909	NBU 1021-03H	Sec 03 T10S R21E 1884 FNL 0506 FEL
43-047-37894	NBU 920-14L	Sec 14 T09S R20E 1907 FSL 0707 FWL
43-047-37895	NBU 920-15B	Sec 15 T09S R20E 0501 FNL 1876 FEL
43-047-37896	NBU 920-15C	Sec 15 T09S R20E 0684 FNL 2181 FWL
43-047-37897	NBU 920-21E	Sec 21 T09S R20E 1851 FNL 0032 FWL
43-047-37898	NBU 920-22A	Sec 22 T09S R20E 0937 FNL 0584 FEL
43-047-37899	NBU 920-27A	Sec 27 T09S R20E 0579 FNL 0728 FEL
43-047-37900	NBU 920-27G	Sec 27 T09S R20E 1907 FNL 2023 FEL
43-047-37901	NBU 920-27F	Sec 27 T09S R20E 1888 FNL 2014 FWL
43-047-37902	NBU 920-27C	Sec 27 T09S R20E 0699 FNL 1937 FWL
43-047-37903	NBU 920-27B	Sec 27 T09S R20E 0934 FNL 1805 FEL
43-047-37904	NBU 920-27D	Sec 27 T09S R20E 0731 FNL 0971 FWL
43-047-37905	NBU 920-27I	Sec 27 T09S R20E 2152 FSL 0491 FEL
43-047-37906	NBU 920-27H	Sec 27 T09S R20E 2023 FNL 1089 FEL

Page 2

Our records indicate the NBU 1021-24I and the 1021-24B are closer than 460 feet from uncommitted land within the Natural Butte Unit. The NBU 1021-25H is located **outside** of the Natural Buttes Unit and is closer than 460 feet from the Unit Boundary.

We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File – Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron



**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 20, 2006

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

Re: Natural Buttes Unit 920-27D Well, 731' FNL, 971' FWL, NW NW, Sec. 27,  
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 43-047-37904.

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 920-27D

**API Number:** 43-047-37904

**Lease:** UTU-0582

**Location:** NW NW                      **Sec.** 27                      **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**

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

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

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

**1/6/2006**

<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
---	--

CA No.		Unit:		NATURAL BUTTES UNIT				
WELL NAME	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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. <b>UTU-0582</b>
2. Name of Operator <b>KERR-McGEE OIL &amp; GAS ONSHORE LP</b>		6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>
3a. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	7. If Unit or CA/Agreement, Name and/or No. <b>UNIT #891008900A</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>NWNW SECTION 27, T9S, R20E 731'FNL, 971'FWL</b>		8. Well Name and No. <b>NBU 920-27D</b>
		9. API Well No. <b>4304737904</b>
		10. Field and Pool, or Exploratory Area <b>NATURAL BUTTES</b>
		11. County or Parish, State <b>UINTAH COUNTY, UTAH</b>

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

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

AN ON-SITE WAS CONDUCTED FOR THE SUBJECT WELL LOCATION ON 05/02/2006. IT WAS DECIDED ON THE ON-SITE INSPECTION TO RE-ROUTE THE PIPELINE. APPROXIMATELY 2,100' +/- OF 8" PROPOSED PIPELINE SHALL BE INSTALLED FROM THE NBU 920-27F INTERSECTION TO THE NBU 920-27A PROPOSED PIPELINE. APPROXIMATELY 3,500' +/- OF 4" PIPELINE IS PROPOSED FROM THE NBU 920-27D LOCATION TO THE INTERSECTION TO THE NBU 920-27A PROPOSED LOCATION.

PLEASE REFER TO THE ATTACHED TOPO MAP D FOR PIPELINE PLACEMENT.

**RECEIVED**  
**MAY 30 2006**

DIV. OF OIL, GAS & MINING

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

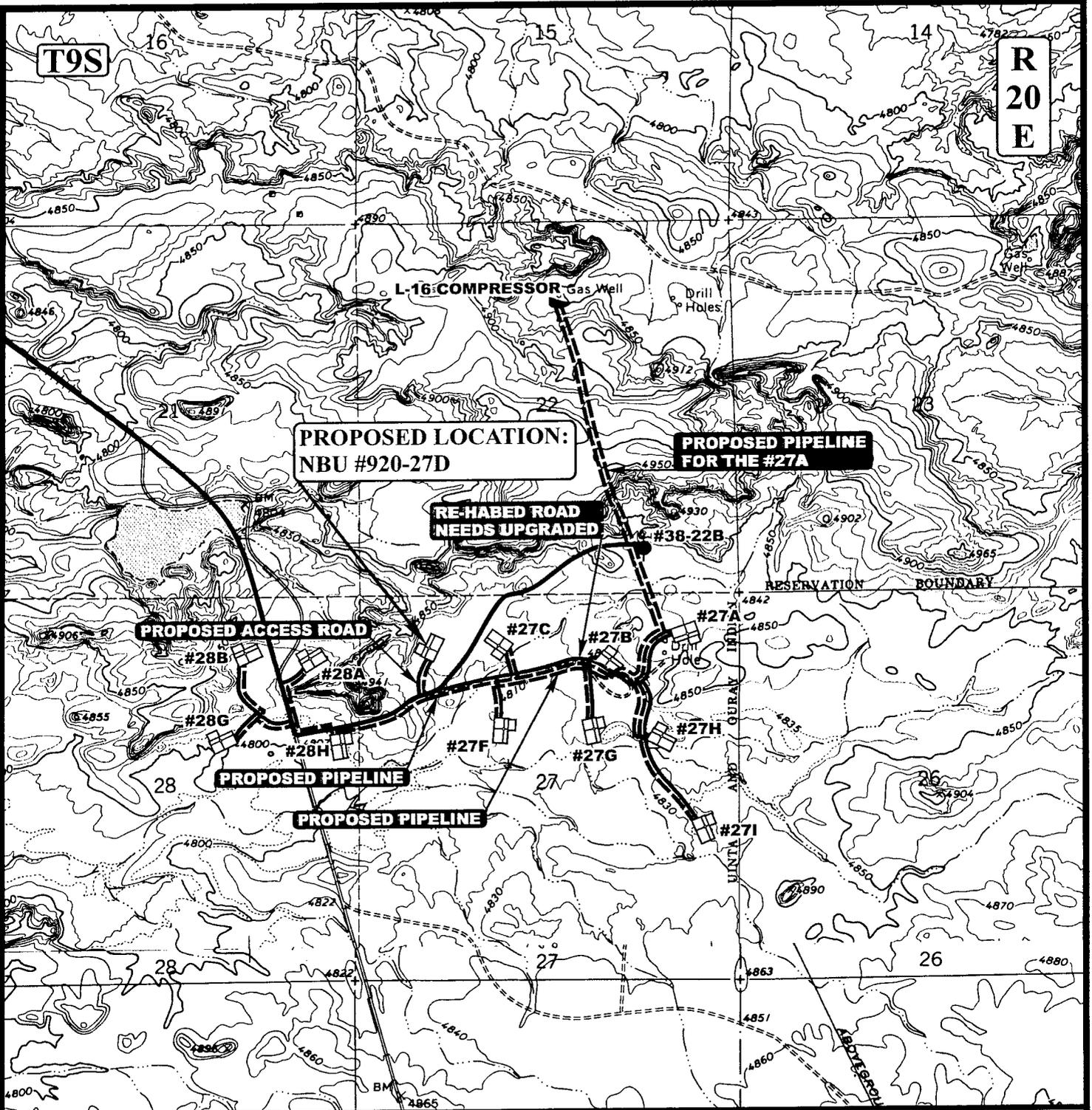
Name (Printed/Typed) <b>Sheila Upchego</b>	Title <b>Regulatory Analyst</b>	COPY SENT TO OPERATOR Date: <u>9-15-06</u> Initials: <u>CM</u>
Signature 	Date <b>May 24, 2006</b>	

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title <b>Accepted by the</b>	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 <b>Utah Division of Oil, Gas and Mining</b>	<b>Federal Approval Of This Action Is Necessary</b>

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.

Date: 5/24/06  
By: [Signature]



APPROXIMATE TOTAL 8" PIPELINE DISTANCE = 2,100' +/-

APPROXIMATE TOTAL 4" PIPELINE DISTANCE = 3,500' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  RE-HABED ROAD NEEDS UPGRADED
-  PROPOSED 4" PIPELINE
-  PROPOSED 8" PIPELINE
-  PROPOSED PIPELINE (SERVICING OTHER WELLS)

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

NBU #920-27D  
 SECTION 27, T9S, R20E, S.L.B.&M.  
 731' FNL 971' FWL



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



TOPOGRAPHIC MAP  
 12 29 05  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 05-09-06



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-0582

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

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

8. Well Name and No.  
NBU 920-27D

9. API Well No.  
4304737904

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)  
731' FNL, 971' FWL  
NWNW, SEC 27-T9S-R20E

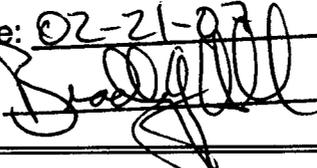
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

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.

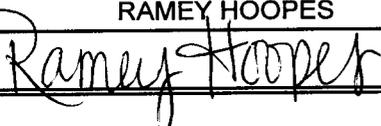
THE OPERATOR REQUESTS AUTHORIZATION FOR A ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS AND MINING ON MARCH 20, 2006.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 02-21-07  
By: 

2-22-07  
RM

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

Name (Printed/Typed) RAMEY HOOPES	Title REGULATORY CLERK
Signature 	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

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:** 4304737904  
**Well Name:** NBU 920-27D  
**Location:** NWNW, SEC 27-T9S-R20E  
**Company Permit Issued to:** KERR MCGEE OIL AND GAS ONSHORE LP  
**Date Original Permit Issued:** 3/20/2006

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 Hopper  
Signature

2/12/2007  
Date

**Title:** Regulatory Clerk

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

**RECEIVED  
FEB 20 2007**

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-0582**

6. If Indian, Allottee or Tribe Name  
**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.  
**UNIT #891008900A  
NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 920-27D**

9. API Well No.  
**4304737904**

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)  
**731' FNL, 971' FWL  
NW/NW, SEC 27, T9S, R20E 731'FNL, 971'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"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other DOGM APD <b>EXTENSION</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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

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 20, 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

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

Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Title <b>SENIOR LAND ADMIN SPECIALIST</b>
Signature <i>[Signature]</i>	Date <b>February 4, 2008</b>

By: *[Signature]*

**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.

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 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:** 4304737904  
**Well Name:** NBU 920-27D  
**Location:** NW/NW SEC. 27, T9S, R20E  
**Company Permit Issued to:** WESTPORT OIL & GAS COMPANY  
**Date Original Permit Issued:** 3/20/2006

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

**RECEIVED**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**MAR 02 2006**

**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-0582**

6. If Indian, Allottee or Tribe Name  
**TRIBAL SURFACE**

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

8. Lease Name and Well No.  
**NBU 920-27D**

9. API Well No.  
**43-047-37904**

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

11. Sec., T., R., M., or Blk, and Survey or Area  
**SEC 27-T9S-R20E**

12. County or Parish  
**UINTAH**

13. State  
**UTAH**

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 (Report location clearly and in accordance with any State requirements. \*)  
At surface **NWNW 731'FNL, 971'FWL**  
At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*  
**6.85 MILES SOUTHEAST OF OURAY, UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **731'**

16. No. of Acres in lease  
**1433.57**

17. Spacing Unit dedicated to this well  
**40.00**

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

19. Proposed Depth  
**10,300'**

20. BLM/BIA Bond No. on file  
**CO-1203 WY2357 WYB000291**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**4816'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 <i>Ramey Hoopes</i>	Name (Printed/Typed) <b>RAMEY HOOPES</b>	Date <b>4/27/2006</b>
Title <b>REGULATORY CLERK</b>		
Approved by (Signature) <i>Jerry Krenzka</i>	Name (Printed/Typed) <b>Jerry Krenzka</b>	Date <b>3-7-2008</b>
Title <b>Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

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

**CONDITIONS OF APPROVAL ATTACHED**

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

\*(Instructions on reverse)

**RECEIVED**

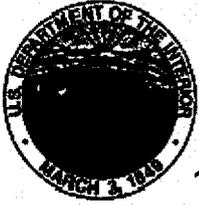
**MAR 17 2008**

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

**NOTICE OF APPROVAL**

**UDOGM**

**07BM4947A**

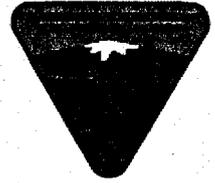


**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE**

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>NWNW, Sec. 27, T9S, R20E</b>
<b>Well No:</b>	<b>NBU 920-27D</b>	<b>Lease No:</b>	<b>UTU-0582</b>
<b>API No:</b>	<b>43-047-37904</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:		(435) 781-4475	(435) 828-4029
Supervisory NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:		(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
		<b>Fax: (435) 781-3420</b>	

**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)**

- 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.

**Additional Stipulations**

- Paleo monitoring

**General Conditions of Approval**

- 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 PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

- Surface casing cement shall be brought up to the surface. To reach the surface, operator is required to pump additional cement beyond the stated amounts of sacks in application.

**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\_Welllogs@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 ( $\frac{1}{4}$ / $\frac{1}{4}$ , 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.

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

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

Well Name: NBU 920-27D

Api No: 43-047-37904 Lease Type: FEDERAL

Section 27 Township 09S Range 20E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # BUCKET

### SPUDDED:

Date 07/24/08

Time 8:00 PM

How DRY

*Drilling will Commence:* \_\_\_\_\_

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 07/28/08 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
4304737904	NBU 920-27D		NWNW	27	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	7/24/2008		7/31/08		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 07/24/2008 AT 2000 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737910	NBU 1021-24I		NESE	24	10S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>B</i>	99999	<i>2900</i>	7/25/2008		7/31/08		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 07/25/2008 AT 0130 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739763	BITTER CREEK 1122-6N		SESW	6	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<i>A</i>	99999	<i>16986</i>	7/25/2008		7/31/08		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 07/25/2008 AT 1000 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

7/25/2008

Date

**RECEIVED**

**JUL 28 2008**

DIV. OF OIL, GAS & MINING

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-0582**

6. If Indian, Allottee or Tribe Name  
**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.  
**UNIT 891008900A  
NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 920-27D**

9. API Well No.  
**4304737904**

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)  
**NW/NW SEC. 27, T9S., R20E 731'FNL, 971'FWL**

**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>WELL SPUD</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 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 07/24/2008 AT 2000 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 	Date <b>July 25, 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.

**RECEIVED**  
**JUL 31 2008**

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)  
**NW/NW SEC. 27, T9S., R20E 731'FNL, 971'FWL**

5. Lease Serial No.  
**UTU-0582**

6. If Indian, Allottee or Tribe Name  
**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.  
**UNIT 891008900A  
 NATURAL BUTTES UNIT**

8. Well Name and No.  
**NBU 920-27D**

9. API Well No.  
**4304737904**

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

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 type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other <u>SET SURFACE</u> <input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon <u>CSG</u>
<input type="checkbox"/> Final Abandonment Notice	<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 PROPETRO AIR RIG ON 08/01/2008. DRILLED 12 1/4" SURFACE HOLE TO 2880'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/265 SX HIFILL CLASS G @11.0 PPG 3.38 YIELD. TAILED CMT W/ 200 SX PREM CLASS G @15.8 PPG 1.15 YIELD GOOD RETURNS THROUGH OUT JOB 23 +/- BBLS LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/75 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>August 8, 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**

**AUG 11 2008**

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

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**

5. Lease Serial No.  
UTU-0582

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

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

8. Well Name and No.  
**NBU 920-27D**

9. API Well No.  
4304737904

10. Field and Pool, or Exploratory Area  
NATURAL BUTTES

11. County or Parish, State  
UINTAH COUNTY, UTAH

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)  
**NW/NW SEC. 27, T9S., R20E 731'FNL, 971'FWL**

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

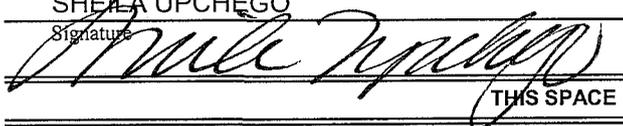
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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>FINAL DRILLING OPERATIONS</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.

FINISHED DRILLING FROM 2880' TO 10,363' ON 9/21/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/665SX PREM LITE II @12.5 PPG 2.04 YIELD. TAILED CMT W/1351 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/160 BBLS WATER BUMP PLUG @3420 PSI (500 OVER FINAL CIRC PSI OF 2853 PSI) FLOATS HELD W/1.5 BBLS BACK TO TRUCK 30 BBLS CMT TO PIT. PIT 1/2 FULL LINER HAS PATCH ON FLARE SIDE TEST DOT HANGER NIPPLE DOWN & CLEAN PITS.

**RELEASED ENSIGN RIG 83 ON 09/24/2008 AT 0830 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 	Date <b>September 25, 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 06 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-0582**

6. If Indian, Allottee or Tribe Name  
**TRIBAL SURFACE**

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

8. Well Name and No.  
**NBU 920-27D**

9. API Well No.  
**4304737904**

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)  
**731' FNL, 971' FWL  
NWNW, SEC.27 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>PRODUCTION START-UP</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 recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 10/11/08 AT 11:30 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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

Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Title <b>SENIOR LAND ADMIN SPECIALIST</b>
Signature <i>Sheila Upchego</i>	Date <b>October 14, 2008</b>

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
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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
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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 20 2008  
DIV. OF OIL, GAS & MINING

Wins No.: 94904

NBU 920-27D

Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 07/24/2008	GL 4,816	KB 4834	ROUTE V31
API 4304737904	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.01137 / -109.65857	Q-Q/Sect/Town/Range: NWNW / 27 / 9S / 20E		Footages: 731.00' FNL 971.00' FWL		

Wellbore: NBU 920-27D

MTD 4,834	TVD 4,833	PBMD	PBTVD
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<b>EVENT INFORMATION:</b>	EVENT ACTIVITY: DRILLING	START DATE: 7/24/2008	AFE NO.: 2020731
	OBJECTIVE: DEVELOPMENT	END DATE: 8/1/1924	
	OBJECTIVE 2: VERTICAL WELL	DATE WELL STARTED PROD.: 7/24/2008	
	REASON: DRILL PROD HOLE	Event End Status: COMPLETE	

<b>RIG OPERATIONS:</b>	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
ENSIGN 83 / 83	09/02/2008	09/01/2008	09/01/2008	09/04/2008	09/21/2008	09/24/2008	09/24/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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7/24/2008	SUPERVISOR: LEW WELDON 20:00 - 0:00	4.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 2000 HR 7/24/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 83 BLM AND STATE NOTIFIED OF SPUD
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8/1/2008	SUPERVISOR: LEW WELDON 6:00 - 12:00	6.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0600 HR 8/1/08 DA AT REPORT TIME 360'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 840'

8/2/2008	SUPERVISOR: LEW WELDON 0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 960'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1290'

8/3/2008	SUPERVISOR: LEW WELDON 0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1550'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1770' RUN SURVEY 1.2 DEGREES

8/4/2008	SUPERVISOR: LEW WELDON 0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1910'
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP FULL RETURNS 2310'



9/4/2008	<u>SUPERVISOR:</u> SID ARMSTRONG							
	0:00 - 0:30	0.50	DRLPRO	07	B	Z	WORK ON SWIVEL PACKING	
	0:30 - 2:00	1.50	DRLPRO	02	F	P	DRILL F.E	
	2:00 - 8:00	6.00	DRLPRO	07	B	Z	WORK ON SWIVEL PACKING	
	8:00 - 8:30	0.50	DRLPRO	02	F	P	DRILL F.E	
	8:30 - 9:30	1.00	DRLPRO	02	B	P	DRILL F/ 2880 TO 2949 - 69' @ 69.0 FPH W/ 8.4 PPG	
	9:30 - 10:00	0.50	DRLPRO	06	A	P	SER RIG	
	10:00 - 10:30	0.50	DRLPRO	09	A	P	SURVEY @ 2874 DEV 1.40	
	10:30 - 13:30	3.00	DRLPRO	02	B	P	DRILL F/ 2949 TO 3180 - 231' @ 77.0 FPH W/ 8.5 PPG	
	13:30 - 15:00	1.50	DRLPRO	16	D	P	CIRC OUT GAS @ 3,170 RAISE MUD WT 9.7 PPG ( HAD 135 BBL GAIN W/ 9,834 UNITS GAS W/ 60 FT FLARE	
	15:00 - 20:00	5.00	DRLPRO	02	B	P	DRILL F/ 3180 TO 3407 - 227' - @ 45.4 FPH W/ 9.7 PPG	
	20:00 - 20:30	0.50	DRLPRO	09	A	P	SURVEY @ 3331- DEV 1.32	
	20:30 - 0:00	3.50	DRLPRO	02	B	P	DRILL F/ 3407 TO 3510 - 103' @ 29.4 FPH W/ 9.7 PPG	
9/5/2008	<u>SUPERVISOR:</u> SID ARMSTRONG							
	0:00 - 6:30	6.50	DRLPRO	02	B	P	DRILL 3510 TO 3643 - 133' - @ 20.4 FPH W/ 9.7 PPG	
	6:30 - 12:00	5.50	DRLPRO	05	A	P	T.F.N.B	
	12:00 - 13:30	1.50	DRLPRO	02	B	P	DRILL 3643 TO 3722 - 79' @ 52.6 FPH W/ 9.7 PPG	
	13:30 - 14:00	0.50	DRLPRO	06	A	P	SER RIG	
	14:00 - 0:00	10.00	DRLPRO	02	B	P	DRILL F/ 3722 TO 4343 - 621' @ 62.1 FPH W/ 9.8 PPG	
9/6/2008	<u>SUPERVISOR:</u> SID ARMSTRONG							
	0:00 - 6:00	6.00	DRLPRO	02	B	P	DRILL F/ 4343 TO 4729 - 386' - @ 64.3 FPH W/ 9.8 PPG	

6:00 - 6:30	0.50	DRLPRO	07	B	P	WORK ON MUD PUMPS
6:30 - 10:00	3.50	DRLPRO	02	B	P	DRILL F/ 4729 TO 4930 - 201' @ 57.4 FPH W/ 9.8 PPG
10:00 - 10:30	0.50	DRLPRO	09	A	P	SURVEY @ 4855 - DEV 1.48
10:30 - 11:00	0.50	DRLPRO	06	A	P	SER RIG
11:00 - 13:30	2.50	DRLPRO	02	B	P	DRILL F/ 4930 TO 4992 - 62' - @ 24.8 FPH W/ 9.9 PPG
13:30 - 14:00	0.50	DRLPRO	07	B	P	WORK ON MUD PUMPS
14:00 - 0:00	10.00	DRLPRO	02	B	P	DRILL F/ 4992 TO 5490 - @ 498' - 49.8 FPH W/ 10.0 PPG

9/7/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 10:30	10.50	DRLPRO	02	B	P	DRILL F/ 5490 TO 6017 - 527' @ 50.1 FPH W/ 10.4 PPG
10:30 - 11:00	0.50	DRLPRO	06	A	P	SER RIG
11:00 - 14:30	3.50	DRLPRO	07	B	Z	WORK ON MUD PUMPS
14:30 - 18:00	3.50	DRLPRO	02	B	P	DRILL F/ 6017 TO 6171 - 154' @ 44.0 FPH W/ 10.5 PPG
18:00 - 18:30	0.50	DRLPRO	07	B	Z	WORK ON MUD PUMPS
18:30 - 0:00	5.50	DRLPRO	02	B	P	DRILL F/ 6171 TO 6330 - 159' - @ 28.9 FPH W/ 10.6 PPG

9/8/2008

SUPERVISOR: SID ARMSTRONG

0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILL F/ 6330 TO 6869 - 506' @ 34.8 FPH W/ 11.0 PPG
14:30 - 15:00	0.50	DRLPRO	06	A	P	SER RIG
15:00 - 16:30	1.50	DRLPRO	02	B	P	DRILL F/ 6869 TO 6921 - 52' @ 34.6 FPH W/ 11.0 PPG
16:30 - 17:00	0.50	DRLPRO	07	B	P	WORK ON PUMPS
17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILL F/ 6921 TO 7085 - 164' @ 23.4 FPH W/ 11.2 PPG

9/9/2008

SUPERVISOR: SID ARMSTRONG

	0:00 - 8:00	8.00	DRLPRO	02	B	P	DRILL F/ 7085 TO 7177 - 92' @ 11.5 FPH W/ 11.5 PPG
	8:00 - 19:00	11.00	DRLPRO	05	A	P	T.F.N.B - HAD TIGHT SPOT @ 4,046 & T.I.H TO 4,046 WENT TO WASH REAM TIGHT SPOT LOST RETURNS WORK PIPE & MIX LCM PILL & REGAIN FULL RETURNS LOST TOTAL 178 BBLs CONT. T.I.H & WASH TO BTM ( NO FILL ) WITH TRACE OF LCM IN SYSTEM.
	19:00 - 0:00	5.00	DRLPRO	02	B	P	DRILL F/ 7177 TO 7352 -175' @ 35.0 FPH W/ 11.6 PPG
9/10/2008	<u>SUPERVISOR:</u> SID ARMSTRONG						
	0:00 - 15:00	15.00	DRLPRO	02	B	P	DRILL F/ 7352 TO 7702 - 350' - @ 23.3 FPH W/ 11.7 PPG
	15:00 - 15:30	0.50	DRLPRO	06	A	P	SER RIG
	15:30 - 0:00	8.50	DRLPRO	02	B	P	DRILL F/ 7702 - 7900 - 198' @ 23.2 FPH - W/ 11.9 PPG
9/11/2008	<u>SUPERVISOR:</u> SID ARMSTRONG						
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILL F/ 7900 TO 8167 - 267' - @ 18.4 FPH W/ 12.1 PPG
	14:30 - 15:00	0.50	DRLPRO	07	A	P	SER RIG
	15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILL F/ 8167 TO 8352 - 185' @ 20.5 FPH W/ 12.2 PPG
9/12/2008	<u>SUPERVISOR:</u> SID ARMSTRONG						
	0:00 - 8:30	8.50	DRLPRO	02	B	P	DRILL F/ 8352 TO 8450 - 98' @ 11.5 FPH W/ 12.2 PPG
	8:30 - 9:00	0.50	DRLPRO	06	A	P	SER RIG
	9:00 - 13:00	4.00	DRLPRO	02	B	P	DRILL F/ 8450 TO 8504 - 54' @ 13.5 FPH W/ 12.2 PPG
	13:00 - 23:00	10.00	DRLPRO	05	A	P	T.F.N.B & MUD MOTOR
	23:00 - 23:30	0.50	DRLPRO	03	E	P	WASH 90' TO BTM ( NO FILL )
	23:30 - 0:00	0.50	DRLPRO	02	B	P	DRILL F/ 8504 TO 8510 - 6' @ 12.0 FPH W/ 12.2 PPG
9/13/2008	<u>SUPERVISOR:</u> SID ARMSTRONG						
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILL F/ 8510 TO 8637 - 127' @ 9.0 FPH W/ 12.4 PPG
	14:00 - 21:30	7.50	DRLPRO	05	A	P	T.O.H & C/O MUD MOTOR & T.I.H

	14:00 - 21:30	7.50	DRLPRO	05	A	P	T.O.H & C/O MUD MOTOR & T.I.H
	21:30 - 23:00	1.50	DRLPRO	06	D	P	CUT DRLG LINE
	23:00 - 0:00	1.00	DRLPRO	05	A	P	CONT. T.I.H
9/14/2008	<u>SUPERVISOR:</u> SID ARMSTRONG						
	0:00 - 2:00	2.00	DRLPRO	05	A	P	T.O.H & C/O MUD MOTOR
	2:00 - 2:30	0.50	DRLPRO	03	E	P	WASH 50' TO BTM (NO FILL)
	2:30 - 10:30	8.00	DRLPRO	02	B	P	DRILL F/ 8637 TO 8694 - 57' @ 7.1 FPH W/ 12.4 PPG
	10:30 - 19:30	9.00	DRLPRO	05	A	P	T.O.H & C/O BIT & MUD MOTOR
	19:30 - 20:00	0.50	DRLPRO	03	E	P	WASH 60' TO BTM (NO FILL)
	20:00 - 0:00	4.00	DRLPRO	02	B	P	DRILL F/ 8694 TO 8705 - 11' @ 2.75 FPH - W/ 12.4 PPG
9/15/2008	<u>SUPERVISOR:</u> SID ARMSTRONG						
	0:00 - 12:30	12.50	DRLPRO	02	B	P	DRILL F/ 8705 TO 8870 - 165' @ 13.2 FPH W/ 12.4 PPG
	12:30 - 13:00	0.50	DRLPRO	06	A	P	SER RIG
	13:00 - 0:00	11.00	DRLPRO	02	B	P	DRILL F/ 8870 TO 9025 - 155' @ 14.0 FPH W/ 12.5 PPG
9/16/2008	<u>SUPERVISOR:</u> STUART NEILSON						
	0:00 - 9:30	9.50	DRLPRO	02	B	P	DRLG F/ 9025 TO 9130 105' @ 11' PH W/ 12.5 PPG - 45 VIS
	9:30 - 10:00	0.50	DRLPRO	06	A	P	SERVICE RIG
	10:00 - 14:00	4.00	DRLPRO	02	B	P	DRLG F/ 9130 TO 9159 29' @ 7.25' PH W/ 12.5 PPG - 45 VIS
	14:00 - 0:00	10.00	DRLPRO	05	A	P	TFNB
9/17/2008	<u>SUPERVISOR:</u> STUART NEILSON						
	0:00 - 3:30	3.50	DRLPRO	05	A	P	TIH, WORK PACKED OFF HOLE, WASH 146 TO BOTTOM, 25' FILL
	3:30 - 7:30	4.00	DRLPRO	02	B	P	DRLG F/ 9159 TO 9256 97' @ 24.3' PH W/ 12.6 PPG - 42 VIS

7:30 - 8:00	0.50	DRLPRO	06	A	P	SERVICE RIG
8:00 - 11:30	3.50	DRLPRO	07	B	Z	CHANGE SWIVEL PACKING
11:30 - 0:00	12.50	DRLPRO	02	B	P	DRLG F/ 9256 TO 9491 235' @ 18.8' PH W/ 12.9 PPG - 44 VIS

9/18/2008 SUPERVISOR: STUART NEILSON

0:00 - 12:00	12.00	DRLPRO	02	B	P	DRLG F/ 9494 TO 9834 340' @ 28.3' PH W/ 13.0 PPG - 44 VIS
12:00 - 12:30	0.50	DRLPRO	06	A	P	SERVICE RIG
12:30 - 16:00	3.50	DRLPRO	02	B	P	DRLG F/9834 TO 9869 35' @ 10' PH W/ 12.9 PPG - 43 VIS
16:00 - 17:00	1.00	DRLPRO	04	C	P	CIRC & COND HOLE, MIX PILL
17:00 - 23:00	6.00	DRLPRO	05	A	P	TFNB, LOST SLIP DIE ON 1st COLLAR AFTER MM, POOH & L/D BIT & MM
23:00 - 0:00	1.00	DRLPRO	16	A	X	WAIT ON MAGNET, P/U BIT SUB

9/19/2008 SUPERVISOR: STUART NEILSON

0:00 - 1:30	1.50	DRLPRO	12	E	Z	WAIT ON MAGNET
1:30 - 7:00	5.50	DRLPRO	16	A	Z	MAKE UP MAGNET & BIT SUB, TIH
7:00 - 9:30	2.50	DRLPRO	16	A	Z	WASH & REAM 45' TO BOTTOM, WORK MAGNET ON FISH
9:30 - 15:30	6.00	DRLPRO	16	A	Z	POOH W/ MAGNET, L/D MAGNET & JUNK SUB. NO SLIP DIE
15:30 - 21:30	6.00	DRLPRO	05	A	P	P/U BIT & MM, TIH
21:30 - 23:00	1.50	DRLPRO	03	D	P	WASH & REAM 48' TO BOTTOM NO FILL OR JUNK
23:00 - 0:00	1.00	DRLPRO	02	B	P	DRLG F/ 9868 TO 9896 28' @ 28' PH W/ 13.0 PPG - 45 VIS

9/20/2008 SUPERVISOR: STUART NEILSON

0:00 - 7:00	7.00	DRLPRO	02	B	P	DRLG F/ 9896 TO 10051 155' @ 22.2' PH W/ 13.0 PPG - 45 VIS
7:00 - 7:30	0.50	DRLPRO	06	A	P	SERVICE RIG

	7:30 - 8:30	1.00	DRLPRO	02	B	P	DRLG F/ 10051 TO 10073 22' @ 22' PH W/ 13.0 PPG - 45 VIS
	8:30 - 9:30	1.00	DRLPRO	07	B	P	CHANGE SWABS #1, CHANGE 2" BLEED OFF VALVE #2
	9:30 - 10:30	1.00	DRLPRO	07	C	P	PULL ROT DRIVE BUSHINGS
	10:30 - 0:00	13.50	DRLPRO	02	B	P	DRLG F/ 10073 TO 10300 227' @ 16.8' PH W/ 13.0 PPG W/45 VIS
9/21/2008	<u>SUPERVISOR:</u> STUART NEILSON						
	0:00 - 6:30	6.50	DRLPRO	02	B	P	DRLG F/ 10300 TO 10363 63' @ 9.7' PH W/ 13.0 PPG - 45 VIS
	6:30 - 8:00	1.50	DRLPRO	04	C	P	CIRC & COND F/ SHORT TRIP
	8:00 - 11:00	3.00	DRLPRO	05	E	P	SHORT TRIP 25 STDS
	11:00 - 14:00	3.00	DRLPRO	04	C	P	CIRC & COND F/ POOH TO LOG
	14:00 - 19:00	5.00	DRLPRO	05	B	P	POOH F/ LOGS, L/D MM
	19:00 - 23:00	4.00	DRLPRO	10	C	P	HPJSM, RIG UP & LOG, TOOL WOULD NOT GO PAST 2816', 28' IN CASING, R/D LOGGERS
	23:00 - 0:00	1.00	DRLPRO	05	E	P	P/U BUTTON BIT & TIH
9/22/2008	<u>SUPERVISOR:</u> STUART NEILSON						
	0:00 - 3:30	3.50	DRLPRO	05	E	P	TIH
	3:30 - 6:30	3.00	DRLPRO	04	C	P	CIRC & COND HOLE F/ LOGGS
	6:30 - 20:00	13.50	DRLPRO	05	A	P	HPJSM,R/U L/D CREW, TRUCK REPAIR, REPLACE L/D TRUCK & LDDS,BREAK KELLY,PULL WEAR BUSHING
	20:00 - 0:00	4.00	DRLPRO	10	C	P	HPJSM, R/U & LOG F/ 10364
9/23/2008	<u>SUPERVISOR:</u> STUART NEILSON						
	0:00 - 6:00	6.00	DRLPRO	10	C	P	RUN TRIPLE COMBO F/ 10364', R/D
	6:00 - 12:00	6.00	DRLPRO	11	B	P	HPJSM, R/U & RUN 10363' 4.5" PROD CASING
	12:00 - 18:00	6.00	DRLPRO	11	B	X	RUN CASING, FILL PIPE @ 5200' NO RETURNS, L/D 20 JTS,REGAIN RETURNS,CIRC HOLE CLEAN

12:00 - 18:00	6.00	DRLPRO	11	B	X	RUN CASING, FILL PIPE @ 5200' NO RETURNS, L/D 20 JTS, REGAIN RETURNS, CIRC HOLE CLEAN
18:00 - 0:00	6.00	DRLPRO	11	B	P	RUN 20 JTS AT A TIME & CIRC THICK MUD OUT

9/24/2008

SUPERVISOR: STUART NEILSON

0:00 - 0:30	0.50	DRLPRO	05	D	P	FINISH RUNNING CASING
0:30 - 1:30	1.00	DRLPRO	04	E	P	CIRC & COND F/ CEMENT JOB
1:30 - 4:30	3.00	DRLPRO	15	A	P	HPJSM, TEST LINES TO 4853, PUMP 20 BBLS MUD CLEAN, SCAV 20 SKS 11 PPG 3.27 YLD, LEAD 665 SXS 12.5 PPG 2.04 YLD, TAIL 1351 SXS 14.3 PPG 1.31 YLD, DROP PLUG & DISPLACE W/ 160 BBLS WATER, BUMPED PLUG @ 3420 PSI ( 500 OVER FINAL CIRC PSI OF 2853 PSI ) FLOATS HELD W/ 1.5 BBLS BACK TO TRUCK, 30 BBLS CEMENT TO PIT, PIT 1/2 FULL, LINER HAS PACTH ON FLARE SIDE
4:30 - 8:30	4.00	DRLPRO	13	A	P	TEST DOT HANGER, N/D & CLEAN PITS, RELEASE RIG @ 08:30 9/24/08

<b>EVENT INFORMATION:</b>	EVENT ACTIVITY: COMPLETION	START DATE: 10/2/2008	AFE NO.: 2020731
	OBJECTIVE: DEVELOPMENT	END DATE: 10/8/2008	
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.: 7/24/2008	
	REASON: AFE #2020731	Event End Status: COMPLETE	

<b>RIG OPERATIONS:</b>	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
KEY 234 / 234	10/02/2008	10/02/2008	10/02/2008	10/02/2008			10/08/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
10/2/2008	<u>SUPERVISOR:</u> KEN WARREN						
	7:00 - 7:15	0.25	COMP	48		P	HSM, P/T CSG
	7:15 - 18:00	10.75	COMP	47	B	P	ROAD RIG FROM NBU 308 TO NBU 920-27D, MIRU SPOT EQUIP, FILL HOLE W/ 2% KCL, MIRU CUTTERS WIRELINE, RIH W/ LOGGING TOOLS, RUN CBL FROM TO SURFACE. MIRU B&C QUICK TEST, PRESSURE TEST CSG & FRAC VALVES TO 7500# [GOOD TEST] R/D B&C, P/U RIH W/ 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 10,166'-10,170' 16 HOLES, 10,100'-10,104' 16 HOLES, 10,056'-10,058' 8 HOLES [40 HOLES] SWL. 18:00 HRS.
10/3/2008	<u>SUPERVISOR:</u> KEN WARREN						
	7:00 - 15:00	8.00	COMP			P	STNDBY
10/6/2008	<u>SUPERVISOR:</u> KEN WARREN						
	7:00 - 7:30	0.50	COMP	48		P	HSM, PRE FRAC
	7:30 - 18:30	11.00	COMP	36	E	P	OPEN WELL, FRAC MESAVERDE 10,056'-10,170', 40 HOLES. P/T SURFACE LINES TO 8500#.
	<p>STG #1] WHP=1700#, INJT PSI=5960#, INJT RT=50.5, ISIP=3681#, FG=.81, PUMP'D 2996.6 BBLS SLK WTR W/ 107262# 40/70 MESH W/ 5000# RESIN COAR IN TAIL, ISIP=3807#, FG=.82, AR=50.5, AP=5702#, MR=50.9, MP=7290#, NPI=126, 30/40 CALC PERFS OPEN 76%.</p> <p>STG #2] P/U RIH W/ BKR 8K CBP &amp; PERF GUN, SET CBP @ 9,998', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 9,964'-9,968' 16 HOLES, 9,902'-9,908' 24 HOLES.</p> <p>WHP=0#, INJT PSI=5400#, INJT RT=51.3, ISIP=3546#, FG=.80, PUMP'D 2618.3 BBLS SLK WTR W/ 94855# 40/70 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3365#, FG=.78, AR=51.4, AP=5454#, MR=51.6, MP=6311#, NPI=-181#, 40/40 CALC PERFS OPEN [100%]</p> <p>STG #3] P/U RIH W/ BKR 8K CBP &amp; PERF GUN. SET CBP @ 9,862', PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 4 SPF, 90° PH, 9,830'-9,832' 8 HOLES, 9,762'-9,766' 16 HOLES, 9,708'-9,712' 16 HOLES [40 HOLES]</p> <p>WHP=0#, BRK DN PERFS @ 4536#, INJT PSI=5277#, INJT RT=51.3, ISIP=3408#, FG=.79, PUMP'D 2782.6 BBLS SLK WTR W/ 101737# 40/70 MESH W/ 5000# RESIN COAT IN TAIL. ISIP=3467#, FG=.80, AR=48.2, AP=5543#, MR=52.8, MP=5725, NPI=59#, 39/40 CALC PERFS OPEN [99%]</p> <p>STG#4] P/U RIH W/ BKR 8K CBP &amp; PERF GUN. SET CBP @ 9654' PERF MESAVERDE USING 3-3/8 EXPEND, 23GRM, 4 SPF, 90° PH, 9,620'-9,624' 16 HOLES, 9,532'-9,538' 24 HOLES [40 HOLES]</p> <p>WHP=100#, BRK DN PERFS @ 4540# INJT PSI=5200#, INJT RT=51, ISIP=3317#, FG=.79, PUMP'D 2460.4 BBLS SLK WTR W/ 86707# 40/70 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3392#, FG=.79, AR=48.2, AP=4996, MR=52.6, MP=5279, NPI=75#, 39/40 CALC PERFS OPEN [99%] SWIFN.</p>						
10/7/2008	<u>SUPERVISOR:</u> KEN WARREN						

6:30 - 18:00		11.50	COMP	36	E	P	HSM, WORKING W/ WIRE LINE.
<p>STG #4] OPEN WELL 0# CSG, P/U RIH W/ BKR 8K CBP &amp; PERF GUN. SET CBP @ 9382', PERF MESAVERDE USING 3-3/8 EXPEND, 23GRM, 0.36" HOLE, 4 SPF, 90° PH, 9350'-9352' 8 HOLES, PULLED UP WENT TO SHOOT NEXT ZONE PERF GUN WENT DEAD SHORT. POOH REBUILT GUN, RIH PERFORATED, 9308'-9312' 16 HOLES, 9258'-9260' 8 HOLES, 9198'-9200' 8 HOLES [40 HOLES]</p> <p>WHP=100#, BRK DN PERFS @ 3973#, INJT PSI=5300#, INJT RT=51, ISIP=2780#, FG=.74, PUMP'D 3079.9 BBLS SLK WTR W/ 86707# 40/70 MESH W/ 3000# RESIN COAT IN TAIL. ISIP=3468#, FG=.82, AR=51.3, AP=5046#, MR=51.6, MP=5684#, NPI=688#, 28/40 CALC PERFS OPEN. 70%</p> <p>P/U RIH W/ BKR 8K CBP. SET CBP @ 9148', POOH R/D CUTTERS &amp; WTHRFRD FRAC. N/D FRAC VALVES, N/U BOPS, P/U 3-7/8 BIT W/ POBS PKG, TALLEY &amp; P/U 2-3/8 L-80 TBG TO 9148' SWIFN READY TO DRL IN A.M</p>							
10/9/2008	<u>SUPERVISOR:</u> TIM						
	7:00 -			33		A	<p>7 AM FLBK REPORT: CP 2200#, TP 2000#, 16/64" CK, 50 BWPH, MED SAND, - GAS TTL BBLS RECOVERED: 3366 BBLS LEFT TO RECOVER: 10572</p>
10/10/2008	<u>SUPERVISOR:</u> TIM FALCETTI						
	7:00 -			33		A	<p>7 AM FLBK REPORT: CP 2800#, TP 2300#, 18/64" CK, 35 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 4346 BBLS LEFT TO RECOVER: 9592</p>
	11:30 -		PROD				<p>WELL TURNED TO SALES @ 1130 HR ON 10/10/2008 - FTP 2250#, CP 3000#, CK 20/64", 1500 MCFD, 720 BWPD</p>
10/10/2008	<u>SUPERVISOR:</u> TIM FALCETTI						
	7:00 -			33		A	<p>7 AM FLBK REPORT: CP 2800#, TP 2300#, 18/64" CK, 35 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 4346 BBLS LEFT TO RECOVER: 9592</p>
10/11/2008	<u>SUPERVISOR:</u> TIM FALCETTI						
	7:00 -			33		A	<p>7 AM FLBK REPORT: CP 3500#, TP 2300#, 18/64" CK, 35 BWPH, TRACE SAND, - GAS TTL BBLS RECOVERED: 4826 BBLS LEFT TO RECOVER: 9112</p>
10/12/2008	<u>SUPERVISOR:</u> TIM FALCETTI						
	7:00 -			33		A	<p>7 AM FLBK REPORT: CP 3000#, TP 2000#, 20/64" CK, 25 BWPH, CLEAN SAND, - GAS TTL BBLS RECOVERED: 5466 BBLS LEFT TO RECOVER: 8472</p>

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.  
UTU-0582

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

7. Unit or CA Agreement Name and No.  
UNIT #891008900A

8. Lease Name and Well No.  
NBU 920-27D

9. AFI Well No.  
4304737904

10. Field and Pool or Exploratory  
NATURAL BUTTES

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 27, T9S, R20E

12. County or Parish  
UINTAH, COUNTY

13. State  
UT

14. Date Spudded  
07/24/2008

15. Date T.D. Reached  
09/21/2008

16. Date Completed  
10/11/2008  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
4816'GL

18. Total Depth: MD 10,363'  
TVD

19. Plug Back T.D.: MD 10,319'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
CBL-CCL-GR, HDL/2DL/CN/GR/CAL

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14" STEEL	36.7#		40'		28 SX			
12 1/4"	9 5/8" J-55	36#		2880'		665 SX			
7 7/8"	4 1/2 I-80	11.6#		10,363'		2016 SX			

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 3/8"	9879'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	9198'	10,170'	9198'-10,170'	0.36	200	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9198'-10,170'	PMP 13,938 BBLs SLICK H2O & 506,021# 40/70 OTTOWA 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
10/11/08	10/12/08	24	→	0	2302	720			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64	2000#	3000#	→	0	2302	720		PRODUCING GAS WELL	

28a. Production - Interval B

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

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

28b. Production - Interval C									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

28c. Production - Interval D									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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

SOLD

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1661'				
MAHOGANY	2385'				
WASATCH	5064'	8306'			
MESAVERDE	8381'	10,174'			

32. Additional remarks (include plugging procedure):

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

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

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

Name (please print) SHEILA UPCHEGO  
 Signature 

Title REGULATORY ANALYST  
 Date 11/24/2008

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.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
UTU-0582

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

**SUBMIT IN TRIPLICATE** – Other instructions on page 2.

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, UTAH 84078

3b. Phone No. (include area code)  
435.781.7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NW/NW SEC. 27, T9S, R20E 731'FNL, 971'FWL

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

8. Well Name and No.  
NBU 920-27D

9. API Well No.  
4304737904

10. Field and Pool or Exploratory Area  
NATURAL BUTTES

11. Country or Parish, State  
UINTAH COUNTY, UTAH

12. CHECK THE 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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must 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 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

THE OPERATOR REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO COMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATIONS.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 2.24.2009

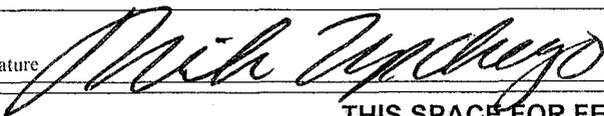
Initials: KS

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

Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

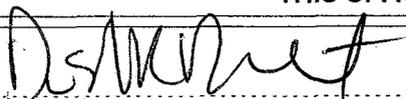
Signature



Date 02/02/2009

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

Approved by



Title

Ret. Eng.

Date

2/17/09

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

DOG M

Federal Approval Of This  
Action Is Necessary

**RECEIVED**

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.

FEB 04 2009

(Instructions on page 2)

X Cause 173-14

DIV. OF OIL, GAS & MINING

**Name:** NBU 920-27D  
**Location:** NW NW Sec. 27 9S 20E  
**Uintah County, UT**  
**Date:** 01/19/09

**ELEVATIONS:** 4816 GL 4833 KB

**TOTAL DEPTH:** 10363 **PBTD:** 10319  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2844'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 10363'  
 Marker Joint **5209-5230'**

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

1661' Green River  
 1913' Birdsnest  
 2835' Mahogany  
 5064' Wasatch  
 8381' Mesaverde  
 Estimated T.O.C. from CBL @2700

**GENERAL:**

- A minimum of **15** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 09/23/08
- **7** fracturing stages required for coverage.
- Procedure calls for 8 CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9879
- Originally completed on 10/07/08

**Existing Perforations:**

Zone	From	To	SPF	# of Shots
Mesaverde	9198	9200	4	8
Mesaverde	9258	9260	4	8
Mesaverde	9308	9312	4	16
Mesaverde	9350	9352	4	8
Mesaverde	9532	9538	4	24
Mesaverde	9620	9624	4	16
Mesaverde	9708	9712	4	16
Mesaverde	9762	9766	4	16
Mesaverde	9830	9832	4	8
Mesaverde	9902	9908	4	24
Mesaverde	9964	9968	4	16
Mesaverde	10056	10058	4	8
Mesaverde	10100	10104	4	16
Mesaverde	10166	10170	4	16

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOO H with 2-3/8", 4.7#, N-80 tubing (currently landed at ~9879'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 9082 (50' below proposed CBP). Otherwise P/U a mill and C/O to 9082 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 9032'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	8914	8918	4	16
MESAVERDE	8996	9002	4	24
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8866' and trickle 250gal 15%HCL w/ scale inhibitor in flush . Note tight spacing between stages 1 & 2.

7. Set 8000 psi CBP at ~8856'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
MESAVERDE	8748	8752	4	16
MESAVERDE	8792	8796	4	16
MESAVERDE	8824	8826	4	8

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8698' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~8034'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7900	7906	3	18
WASATCH	7926	7930	3	12
WASATCH	8000	8004	3	12

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7850' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~7334'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7294	7304	4	40

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7244' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~6918'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6878	6888	4	40

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6828' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~6524'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6484	6494	4	40

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6434' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~5694'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5624	5628	4	16
WASATCH	5658	5664	4	24

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~5574' and flush only with recycled water.

19. Set 8000 psi CBP at ~5574'.
20. TIH with 3 7/8" mill, pump-off sub, SN and tubing.
21. Mill plugs and clean out to PBTD. Land tubing at ±9900' and pump off bit unless indicated otherwise by the well's behavior. This well will be commingled at this time.
22. RDMO
23. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

**For design questions, please call  
Sarah Schaftenaar, Denver, CO  
(303)-895-5883 (Cell)  
(720)-929-6605 (Office)**

**For field implementation questions, please call  
Robert Miller, Vernal, UT  
4350781 7041 (Office)**

NOTES:

Fracuring Schedules  
 NBU 920-27D  
 Slickwater Frac

Stage	Zone	Feet			SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
		of Pay	Top, ft.	Bot. ft.																	
1	MESAVERDE	8	8914	8918	4	18	Varied	Pump-in test			Slickwater			0	0	0					
	MESAVERDE	21	8996	9003	4	24	0	ISIP and 5 min ISIP			Slickwater			0	0	0					56
	MESAVERDE	20		No perfor							Slickwater Pad	5,880	5,880	140	140	15.0%	0.0%	0	0		18
	MESAVERDE	0						0.25	1	Slickwater Ramp	11,107	16,987	264	404	26.3%	17.2%	6,942	6,942		17	
	MESAVERDE	0						0	0	Slickwater	0	16,987	0	404	0.0%	0.0%	0	6,942		0	
	MESAVERDE	0						1	15	Slickwater Ramp	11,107	28,093	264	669	26.3%	34.6%	13,863	20,825		17	
	MESAVERDE	0						0	0	Slickwater	0	28,093	0	669	0.0%	0.0%	0	20,825		0	
	MESAVERDE	0						0.5	15	Slickwater Ramp	0	28,093	0	669	0.0%	0.0%	0	20,825		0	
	MESAVERDE	0						1.5	2	Slickwater	11,107	39,200	264	933	26.3%	49.3%	19,437	40,262		0	
	MESAVERDE	0								Flush (4-1/2")	5,788	44,988	138	1,071				40,262		58	
	MESAVERDE	0								ISDP and 5 min ISDP		44,988									166
		48		# of Perfor/stage		40											gal/ft	800	622	lbs sand/ft	10
						21.4	<< Above pump time (min)											CBP depth	6,856		
2	MESAVERDE	31	8745	8752	4	18	Varied	Pump-in test			Slickwater			0	0	0					
	MESAVERDE	26	8792	8796	4	18	0	ISIP and 5 min ISIP			Slickwater			0	0	0					28
	MESAVERDE	0	8824	8826	4	8					Slickwater Pad	17,850	27,300	425	650	26.3%	17.2%	11,156	11,156		27
	MESAVERDE	0						0.25	1	Slickwater Ramp	0	27,300	0	650	0.0%	0.0%	0	11,156		0	
	MESAVERDE	0						0	0	Slickwater	0	27,300	0	650	0.0%	0.0%	0	33,469		0	
	MESAVERDE	0						1	15	Slickwater Ramp	17,850	45,150	425	1,075	26.3%	34.6%	22,313	33,469		27	
	MESAVERDE	0						0	0	Slickwater	0	45,150	0	1,075	0.0%	0.0%	0	33,469		0	
	MESAVERDE	0						0.5	15	Slickwater Ramp	0	45,150	0	1,075	0.0%	0.0%	0	33,469		0	
	MESAVERDE	0						1.5	2	Slickwater	17,850	63,000	425	1,500	26.3%	49.3%	21,238	64,706		0	
	MESAVERDE	0								Flush (4-1/2")	5,678	66,678	135	1,635				64,706		52	
	MESAVERDE	0								ISDP and 5 min ISDP		66,678									134
		70		# of Perfor/stage		40											gal/ft	800	924	lbs sand/ft	664
						30.0	<< Above pump time (min)											CBP depth	9,034		
3	WASATCH	17	7900	7906	3	18	Varied	Pump-in test			Slickwater			0	0	0					
	WASATCH	4	7926	7930	3	12	0	ISIP and 5 min ISIP			Slickwater			0	0	0					17
	WASATCH	0	8000	8004	3	12					Slickwater Pad	5,625	5,625	134	134	15.0%	0.0%	0	0		16
	WASATCH	0						0.25	1	Slickwater Ramp	10,625	16,250	253	387	26.3%	17.2%	6,641	6,641		0	
	WASATCH	0						0	0	Slickwater	0	16,250	0	387	0.0%	0.0%	0	6,641		0	
	WASATCH	0						1	15	Slickwater Ramp	10,625	26,875	253	640	26.3%	34.6%	13,281	16,922		16	
	WASATCH	0						0	0	Slickwater	0	26,875	0	640	0.0%	0.0%	0	19,922		0	
	WASATCH	0						0.5	15	Slickwater Ramp	0	26,875	0	640	0.0%	0.0%	0	19,922		0	
	WASATCH	0						1.5	2	Slickwater	10,625	37,500	253	893	26.3%	49.3%	15,594	36,516		0	
	WASATCH	0								Flush (4-1/2")	5,124	42,624	122	1,015				36,516		48	
	WASATCH	0								ISDP and 5 min ISDP		42,624									96
		25		# of Perfor/stage		42											gal/ft	1,600	1,641	lbs sand/ft	516
						17.9	<< Above pump time (min)											CBP depth	7,334		
4	WASATCH	14	7204	7304	4	40	Varied	Pump-in test			Slickwater			0	0	0					
	WASATCH	0									Slickwater			0	0	0					8
	WASATCH	0						0.25	1	Slickwater Ramp	2,625	2,625	63	63	15.0%	0.0%	0	0		7	
	WASATCH	0						0	0	Slickwater	4,958	7,583	118	181	26.3%	17.2%	3,099	3,099		0	
	WASATCH	0						0	0	Slickwater	0	7,583	0	181	0.0%	0.0%	0	2,099		0	
	WASATCH	0						1	15	Slickwater Ramp	4,958	12,542	118	299	26.3%	34.6%	6,198	8,297		7	
	WASATCH	0						0	0	Slickwater	0	12,542	0	299	0.0%	0.0%	0	8,297		0	
	WASATCH	0						0.5	15	Slickwater Ramp	0	12,542	0	299	0.0%	0.0%	0	8,297		0	
	WASATCH	0						1.5	2	Slickwater	4,958	17,500	118	417	26.3%	49.3%	8,677	17,974		0	
	WASATCH	0								Flush (4-1/2")	4,729	22,229	113	529				17,974		45	
	WASATCH	0								ISDP and 5 min ISDP		22,229									68
		14		# of Perfor/stage		40											gal/ft	1,250	1,284	lbs sand/ft	326
						8.3	<< Above pump time (min)											CBP depth	6,918		
5	WASATCH	14	6878	6888	4	43	Varied	Pump-in test			Slickwater			0	0	0					
	WASATCH	0									Slickwater			0	0	0					9
	WASATCH	0						0.25	1	Slickwater Ramp	3,045	3,045	73	73	15.0%	0.0%	0	0		9	
	WASATCH	0						0	0	Slickwater	5,752	8,797	137	209	26.3%	17.2%	3,595	3,595		9	
	WASATCH	0						0	0	Slickwater	0	8,797	0	209	0.0%	0.0%	0	3,595		0	
	WASATCH	0						1	15	Slickwater Ramp	5,752	14,548	137	346	26.3%	34.6%	7,190	10,784		9	
	WASATCH	0						0	0	Slickwater	0	14,548	0	346	0.0%	0.0%	0	10,784		0	
	WASATCH	0						0.5	15	Slickwater Ramp	0	14,548	0	346	0.0%	0.0%	0	10,784		0	
	WASATCH	0						1.5	2	Slickwater	5,752	20,300	137	483	26.3%	49.3%	10,065	20,850		0	
	WASATCH	0								Flush (4-1/2")	4,457	24,757	106	589				20,850		42	
	WASATCH	0								ISDP and 5 min ISDP		24,757									69
		14		# of Perfor/stage		40											gal/ft	1,450	1,489	lbs sand/ft	304
						9.7	<< Above pump time (min)											CBP depth	6,524		
6	WASATCH	14	6484	6494	4	43	Varied	Pump-in test			Slickwater			0	0	0					
	WASATCH	0									Slickwater			0	0	0					9
	WASATCH	0						0.25	1	Slickwater Ramp	3,045	3,045	73	73	15.0%	0.0%	0	0		9	
	WASATCH	0						0	0	Slickwater	5,752	8,797	137	209	26.3%	17.2%	3,595	3,595		9	
	WASATCH	0						0	0	Slickwater	0	8,797	0	209	0.0%	0.0%	0	3,595		0	
	WASATCH	0						1	15	Slickwater Ramp	5,752	14,548	137	346	26.3%	34.6%	7,190	10,784		9	
	WASATCH	0						0	0	Slickwater	0	14,548	0	346	0.0%	0.0%	0	10,784		0	
	WASATCH	0						0.5	15	Slickwater Ramp	0	14,548	0	346	0.0%	0.0%	0	10,784		0	
	WASATCH	0						1.5	2	Slickwater	5,752	20,300	137	483	26.3%	49.3%	10,065	20,850		0	
	WASATCH	0								Flush (4-1/2")	4,200	24,500	100	583				20,850			

**NBU 920-27D**  
**Perforation and CBP Summary**

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8914	8918	4	16	8912	to	8920
	MESAVERDE	8996	9002	4	24	8985	to	9006
	MESAVERDE		No perms			9010	to	9030
	# of Perfs/stage				40	CBP DEPTH	8,856	
2	MESAVERDE	8748	8752	4	16	8727	to	8758
	MESAVERDE	8792	8796	4	16	8781	to	8807
	MESAVERDE	8824	8826	4	8	8821	to	8834
	# of Perfs/stage				40	CBP DEPTH	8,034	
3	WASATCH	7900	7906	3	18	7892	to	7909
	WASATCH	7926	7930	3	12	7927	to	7931
	WASATCH	8000	8004	3	12	8000	to	8004
	# of Perfs/stage				42	CBP DEPTH	7,334	
4	WASATCH	7294	7304	4	40	7290	to	7304
	# of Perfs/stage				40	CBP DEPTH	6,918	
5	WASATCH	6878	6888	4	40	6876	to	6890
	# of Perfs/stage				40	CBP DEPTH	6,524	
6	WASATCH	6484	6494	4	40	6480	to	6494
	# of Perfs/stage				40	CBP DEPTH	5,694	
7	WASATCH	5624	5628	4	16	5612	to	5636
	WASATCH	5658	5664	4	24	5651	to	5678
	# of Perfs/stage				40	CBP DEPTH	5,574	
Totals					282			

NBU 920-27D

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8914	8918	4	16	8912	to	8920
	MESAVERDE	8996	9002	4	24	8985	to	9006
	MESAVERDE		No perfs			9010	to	9030
	# of Perfs/stage				40	CBP DEPTH	8,856	
2	MESAVERDE	8748	8752	4	16	8727	to	8758
	MESAVERDE	8792	8796	4	16	8781	to	8807
	MESAVERDE	8824	8826	4	8	8821	to	8834
	# of Perfs/stage				40	CBP DEPTH	8,034	
3	WASATCH	7900	7906	3	18	7892	to	7909
	WASATCH	7926	7930	3	12	7927	to	7931
	WASATCH	8000	8004	3	12	8000	to	8004
	# of Perfs/stage				42	CBP DEPTH	7,334	
4	WASATCH	7294	7304	4	40	7290	to	7304
	# of Perfs/stage				40	CBP DEPTH	6,918	
5	WASATCH	6878	6888	4	40	6876	to	6890
	# of Perfs/stage				40	CBP DEPTH	6,524	
6	WASATCH	6484	6494	4	40	6480	to	6494
	# of Perfs/stage				40	CBP DEPTH	5,694	
7	WASATCH	5624	5628	4	16	5612	to	5636
	WASATCH	5658	5664	4	24	5651	to	5678
	# of Perfs/stage				40	CBP DEPTH	5,574	
	Totals				282			

<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-0582
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE
<b>1. TYPE OF WELL</b> Gas Well	<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>8. WELL NAME and NUMBER:</b> NBU 920-27D	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. API NUMBER:</b> 43047379040000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0731 FNL 0971 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 27 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: 2/19/2010	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input 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 checked="" 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 REQUESTS AUTHORIZATION TO RECOMPLETE THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO RECOMPLETE THE WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR REQUESTS AUTHORIZATION TO COMMINGLE THE NEWLY WASATCH AND MESAVERDE FORMATIONS, ALONG WITH THE EXISTING MESAVERDE FORMATIONS. PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

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

Date: February 17, 2010

By: *Derek Duff*

<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> 2/17/2010	



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

- State of Utah
- Department of Natural Resources

**Electronic Permitting System - Sundry Notices**

**Sundry Conditions of Approval Well Number 43047379040000**

**Authorization: Board Cause No. 173-14.**

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

**Date:** February 17, 2010

**By:** *Dan K. Quist*

# Greater Natural Buttes Unit



**NBU 920-27D**  
**RE-COMPLETIONS PROCEDURE**

**DATE:2/10/10**  
**AFE#:2031067**

**COMPLETIONS ENGINEER:** Sarah Schaftenaar, Denver, CO  
(303)-895-5883 (Cell)  
(720)-929-6605 (Office)

**SIGNATURE:**

**ENGINEERING MANAGER:** REBECCA JOHNSON

**SIGNATURE:**

**REMEMBER SAFETY FIRST!**

**RECEIVED** February 17, 2010

**Name:** NBU 920-27D  
**Location:** NW NW Sec. 27 9S 20E  
**Uintah County, UT**  
**Date:** 01/19/09

**ELEVATIONS:** 4816 GL 4833 KB

**TOTAL DEPTH:** 10363 **PBTD:** 10319  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2844'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 10363'  
 Marker Joint **5209-5230'**

**TUBULAR PROPERTIES:**

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

**TOPS:**

1661' Green River  
 1913' Birdsnest  
 2835' Mahogany  
 5064' Wasatch  
 8381' Mesaverde  
 Estimated T.O.C. from CBL @2700

**GENERAL:**

- A minimum of **21** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Bakers Induction-Density-Neutron log dated 09/23/08
- **7** fracturing stages required for coverage.
- Procedure calls for **8** CBP's (**8000** psi).
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Put scale inhibitor 3 gals/1000 gals (in pad and 1/2 the ramp) and 10 gals/1000 gals in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). **DO NOT OVERDISPLACE.** Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Service companies need to provide surface/production annulus pop-offs to be set for 1500 psi for each frac.

- Pump **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~9879
- Originally completed on 10/07/08

**Existing Perforations:**

Zone	From	To	SPF	# of Shots
Mesaverde	9198	9200	4	8
Mesaverde	9258	9260	4	8
Mesaverde	9308	9312	4	16
Mesaverde	9350	9352	4	8
Mesaverde	9532	9538	4	24
Mesaverde	9620	9624	4	16
Mesaverde	9708	9712	4	16
Mesaverde	9762	9766	4	16
Mesaverde	9830	9832	4	8
Mesaverde	9902	9908	4	24
Mesaverde	9964	9968	4	16
Mesaverde	10056	10058	4	8
Mesaverde	10100	10104	4	16
Mesaverde	10166	10170	4	16

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOO H with 2-3/8", 4.7#, N-80 tubing (currently landed at ~9879'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 9082 (50' below proposed CBP). Otherwise P/U a mill and C/O to 9082 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 9032'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	8914	8918	4	16
MESAVERDE	8996	9002	4	24
6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~8914' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~8856'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	8748	8752	4	16
MESAVERDE	8792	8796	4	16
MESAVERDE	8824	8826	4	8

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~8748' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

9. Set 8000 psi CBP at ~8422'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	8300	8306	4	24
MESAVERDE	8388	8392	4	16

10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~8300' trickle 250gal 15%HCL w/ scale inhibitor in flush.

11. Set 8000 psi CBP at ~8034'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7900	7906	3	18
WASATCH	7926	7930	3	12
WASATCH	8000	8004	3	12

12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~7900' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

13. Set 8000 psi CBP at ~7092'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6880	6888	4	32
WASATCH	7060	7062	4	8

14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6880' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

15. Set 8000 psi CBP at ~6524'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6484	6494	4	40

16. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 6 on attached listing. Under-displace to ~6484' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

17. Set 8000 psi CBP at ~5804'. Perf the following 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5624	5628	3	12
WASATCH	5658	5664	3	18
WASATCH	5770	5774	3	12

18. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 7 on attached listing. Under-displace to ~5624' and flush only with recycled water.
19. Set 8000 psi CBP at~5574'.
20. TIH with 3 7/8" mill, pump-off sub, SN and tubing.
21. Mill plugs and clean out to PBSD. Land tubing at  $\pm 9900'$  and pump off bit unless indicated otherwise by the well's behavior. This well will be commingled at this time.
22. RDMO
23. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.

**For design questions, please call  
Sarah Schaftenaar, Denver, CO  
(303)-895-5883 (Cell)  
(720)-929-6605 (Office)**

**For field implementation questions, please call  
Robert Miller, Vernal, UT  
4350781 7041 (Office)**

NOTES:

Name NBU 920-27D  
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8914	8918	4	16	8892.75	to	8921.5
	MESAVERDE	8996	9002	4	24	8948.75	to	8952.25
	MESAVERDE					8964	to	8968.75
	MESAVERDE					8974	to	9014.5
	MESAVERDE					9015	to	9035.75
	# of Perfs/stage				Look			
					40	CBP DEPTH	8,856	
2	MESAVERDE	8748	8752	4	16	8743.25	to	8759.5
	MESAVERDE	8792	8796	4	16	8778	to	8811.75
	MESAVERDE	8824	8826	4	8	8812.5	to	8847.25
					Look			
	# of Perfs/stage				40	CBP DEPTH	8,422	
3	MESAVERDE	8300	8306	4	24	8282	to	8312.25
	MESAVERDE	8388	8392	4	16	8381	to	8404.5
					Look			
	# of Perfs/stage				40	CBP DEPTH	8,034	
4	WASATCH	7900	7906	3	18	7887.25	to	7909
	WASATCH	7926	7930	3	12	8000.75	to	8009
	WASATCH	8000	8004	3	12			
					Look			
	# of Perfs/stage				42	CBP DEPTH	7,092	
5	WASATCH	6880	6888	4	32	6872	to	6894.25
	WASATCH	7060	7062	4	8	7055.75	to	7064.25
	WASATCH					7068.75	to	7071.5
					Look			
	# of Perfs/stage				40	CBP DEPTH	6,524	
6	WASATCH	6484	6494	4	40	6462.75	to	6498.5
					Look			
	# of Perfs/stage				40	CBP DEPTH	5,754	
7	WASATCH	5624	5628	3	12	5611.75	to	5636
	WASATCH	5658	5664	3	18	5641.75	to	5678
	WASATCH	5720	5724	3	12	5755.75	to	5775.75
					Look			
	# of Perfs/stage				42	CBP DEPTH	5,574	
Totals					284			

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.  
UTU0582

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
UTU63047A

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

8. Lease Name and Well No.  
NBU 920-27D

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

9. API Well No. 43-047-37904

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface NWNW 731FNL 971FWL 40.01140 N Lat, 109.65788 W Lon  
 At top prod interval reported below NWNW 731FNL 971FWL 40.01140 N Lat, 109.65788 W Lon  
 At total depth NWNW 731FNL 971FWL 40.01140 N Lat, 109.65788 W Lon

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area Sec 27 T9S R20E Mer SLB

12. County or Parish UINTAH 13. State UT

14. Date Spudded 07/24/2008 15. Date T.D. Reached 09/21/2008 16. Date Completed  D & A  Ready to Prod. 03/14/2010

17. Elevations (DF, KB, RT, GL)\* 4816 GL

18. Total Depth: MD 10363 TVD 10360 19. Plug Back T.D.: MD 10319 TVD 10316 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL-CCL-GR-HDIL-ZDL-CN-CAL 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		2880		665			
7.875	4.500 I-80	11.6		10363		2016			

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	9878							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5624	8306	5624 TO 8306	0.360	188	OPEN
B) MESAVERDE	8388	9002	8388 TO 9002	0.360	96	OPEN
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5624 TO 8004	PMP 3,588 BBLs SLICK H2O & 152,639 LBS 30/50 SD.
8300 TO 9002	PMP 5,966 BBLs SLICK H2O & 237,109 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
03/14/2010	03/17/2010	24	▶	0.0	945.0	330.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64/64	SI	1356.0	▶	0	945	330		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		▶						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #84298 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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	1661				
MAHOGANY	2385				
WASATCH	5064	8306			
MESAVERDE	8381	10363			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS WELL COMPLETION REPORT IS THE RECOMPLETION CHRONOLOGICAL WELL HISTORY.

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 #84298 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 04/06/2010

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.

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

US ROCKIES REGION  
**Operation Summary Report**

Well: NBU 920-27D

Project: UTAH-UINTAH

Site: NBU 920-27D

Rig Name No: MILES 2/2

Event: RECOMPL/RESEREVEADD

Start Date: 3/5/2010

End Date: 3/12/2010

Spud Date: 8/1/2008

Active Datum: RKB @4,834.00ft (above Mean Sea Level)

UWI: NBU 920-27D

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/8/2010								DWC: \$ [REDACTED] CWC: \$ [REDACTED]
CHUCK ALLI	7:00 - 7:30	0.50	COMP	48		P		MIRU
	7:30 - 7:30	0.00	COMP	31		P		MIRU, KILL WELL WITH 20 BBLS TMAC, NDWH, NUBOP'S, UNLAND TBG, POOH STAND BACK 155 STDS + 1 JT TBG. LAY DWN 0 BAD JTS.9875.90' SWIFN
3/9/2010								DWC: \$ [REDACTED] CWC: \$ [REDACTED]
CHUCK ALLI	7:00 - 7:30	0.50	COMP	48				CSG 600 PSI BLOW CSG TO FB TANK KILL WELL W/ 40 BBLS TMAC. R/U CASED HOLE SOLUTION. P/U GAUGE RING, RIH TO 9086'. POOH L/D GAUGE RING. P/U CBP 10,000 PSI, RIH TO SET@9026', SET CBP POOH, RD CASED HOLE, PUMP 80 BBLS TMAC TO FILL CSG, ND BOP'S, NU FRAC VALVE, RU B&C QUICK TEST, PRESSURE TEST CSG TO 6000#. RD B&C, RU CASED HOLE, PICK UP GUNS, RIH PERF MESA VERDE 8996'-9002', 4 SPF, 24 SHOTS TOTAL, WITH 3 3/8" GUN, 23 GM, .36" HOLE ON ALL PERFS, MESA VERDE 8914'-8918' 4 SPF, 16 HOLES, 40 SHOTS TOTAL ON STAGE #1 RD CASED HOLE, SWIFN
	7:30 - 15:00	7.50	COMP	34				
3/10/2010								DWC: \$ [REDACTED] CWC: \$ [REDACTED]
CHUCK ALLI	7:00 - 7:30	0.50	COMP	48		P		HSM. @ FRACING & PERFORATING

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 920-27D

Project: UTAH-UINTAH	Site: NBU 920-27D	Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD	Start Date: 3/5/2010	End Date: 3/12/2010
Active Datum: RKB @4,834.00ft (above Mean Sea Level)	UWI: NBU 920-27D	
Spud Date: 8/1/2008		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
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CHUCK ALLI	7:30 - 17:30	10.00	COMP	36	B	P		<p>STG #1] WHP=597#, BRK DN PERFS @ 5197 PSI, @ 5.5 BPM, ISIP 3,285 PSI, FG .80. INJT 51.7 BPM @ 5,200 PSI = 100% HOLES OPEN. MP 6,006 PSI, MR 52 BPM, AP 5,235 PSI, AR 51.5 BPM. ISIP 3,362 PSI, FG .81, NPI 77 PSI. PUMP'D 2,559 BBLS SLK/WTR W 91,268# 30/50 MESH W/ 5000# RESIN COAT IN TAIL. TOTAL PROP 96,268 LBS.</p> <p>STG #2] P/U 3-1/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 8856' PERF MESAVERDE 8824-8826' 4 SPF 8 HOLES, 8792'-8796' 4 SPF 16 HOLES, 8748'-8752' 4 SPF 16 HOLES, [40 HOLES] WHP= 2950#, BRK DN PERFS @ 3246 #, INJT PSI 4950, INJT RT=50, ISIP=3065, FG=.78, PUMP'D 2123 BBLS SLK/WTR W/ 84457# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3302, FG=.81, AR=50.6, AP=4810, MR=51.5, MP=6178, NPI=-237, PERFS OPEN 100%</p> <p>STG #3] P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 8422' PERF MESAVERDE 8388'-8392' 4 SPF 16 HOLES, 8300'-8306' 4 SPF 24 HOLES, TOTAL 40 HOLES WHP= 1430#, BRK DN PERFS @ 3098#, INJT PSI=5700, INJT RT=46, ISIP=2508, FG=.73, PUMP'D 1284 BBLS SLK/WTR W/ 56384# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP=3397, FG=.84, AR=47.6, AP=5111, MR=50.9 MP=6101, NPI=-889, PERS Open 60%</p> <p>STG 4 ) P/U RIH W/ 3-1/8 EXP GNS, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 8034' &amp; PERF WASATCH 8000-04' 3 SPF, 7926'-30' 3 SPF, 7900'-06' 3 SPF, 42 HOLES. WHP 1,017 PSI, BRK @ 4,068 PSI @ 5.4 BPM, ISIP 2,721 PSI, FG .78. PUMP 100 BBLS @ 50.0 BPM @ 5,966 PSI = 60% HOLES OPEN. MP 6,083 PSI, MR 51.4 BPM, AP 5,105 PSI, AR 45.4 BPM, ISIP 3,208 PSI, FG .84, NPI 487 PSI. PUMP 638 BBLS SW &amp; 19,416 LBS 30/50 SAND &amp; 5,000 LBS OF 20/40 RESIN SAND, TOTAL PROP 24,416 LBS.</p> <p>STG 5 ) P/U RIH W/ 3-1/8 EXP GNS, 23 GRM, 0.36" HOLE, W/ BKR 8K CBP, SET CBP @ 7,092' &amp; PERF WASATCH 7,060-62' 4 SPF, 6,880'-88' 4 SPF, 40 HOLES. WHP 1,212 PSI, BRK @ 4,020 PSI @ 5.4 BPM, ISIP 2,668 PSI, FG .82. PUMP 100 BBLS @ 50.0 BPM @ 4,500 PSI = 100% HOLES OPEN. MP 4,862 PSI, MR 51 BPM, AP 4,020 PSI, AR 50.5 BPM, ISIP 2,520 PSI, FG .79, NPI -148 PSI. PUMP 586 BBLS SW &amp; 17,989 LBS 30/50 SAND &amp; 5,000 LBS OF 20/40 RESIN SAND, TOTAL PROP 22,989 LBS.</p> <p>STG 6 ) PU 4 1/2" BAKER 8K CBP &amp; 3 1/8" EXP GNS, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 6,524 &amp; PERF 6,484'-94' 4 SPF, 40</p>
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**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 920-27D

Project: UTAH-UINTAH	Site: NBU 920-27D	Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD	Start Date: 3/5/2010	End Date: 3/12/2010
Spud Date: 8/1/2008	Active Datum: RKB @4,834.00ft (above Mean Sea Level)	UWI: NBU 920-27D

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								HOLES. SWI WINTERIZE WELL HEAD. SDFN. PREPPED TO FRAC I N AM.
3/11/2010	DWC: \$ ██████████		CWC: \$ ██████████					
CHUCK ALLI	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:30 - 15:00	7.50	COMP	37		P		STG 6 ) WHP 1786 PSI, BRK @ 4600 PSI @ 4.7 BPM, ISIP 2490 PSI, FG .82 PUMP 47 BPM @ 4100 PSI = 100% HOLES OPEN. MP 4684 PSI, MR 52.3 BPM, AP 4150 PSI, AR49.6 BPM, ISIP 2561 PSI, FG .83, NPI 71 PSI. PUMP 623 BBLS SW & 23401 LBS 30/50 SAND & 5,000 LBS OF 20/40 RESIN SAND.
								STG#7 P/U RIH W/ 3-3/8 EXPEND PERF GUN, 23 GRM, 0.36" HOLE W/ BKR 8K CBP, SET CBP @ 5754' PERF WASATCH @ 5720'-5724' 3 SPF 12HOLES, 5658'-5664' 3 SPF 18 HOLES, 5624'-5628' 3 SPF 12 HOLES, 42 HOLES TOTAL WHP= 353#, BRK DN PERFS @ 2347#/ 5.6 BBLS, INJT PSI=4400, INJT RT=50, ISIP=1672, FG=.73, PUMP'D 1741 BBLS SLK/WTR W/ 81,833# 30/50 MESH W/ 5000# RESIN COAT IN TAIL, ISIP 2455, FG=.86, AR=50.5, AP4240, MR=50.9, MP=6024, NPI= 783, PERS OEPN 60%.
								RIH CASED HOLE SET KILL CBP AT 5574', POOH RD CASED HOLE, FRAC TECH, ND FRAC VALVE, NU BOP'S, RIH TBG POBS, SN, BIT TO 5550' 175 JTS'. NU PWR SWIVIL SWIFN
3/12/2010	DWC: \$ ██████████		CWC: \$ ██████████					
CHUCK ALLI	7:00 - 7:30	0.50	COMP	48		P		DRILL PLUGS
	7:30 - 19:00	11.50	COMP	44		P		RUN IN HOLE TAGGED PLUG @ 5574', CIRC BTMS UP, WITH 70 BBLS TMAC, DRILL PLUGS
								PLUG#1 5574' 15' SAND 11 MIN 1000# KICK
								PLUG#2 5804' 40' SAND 15 MIN 700# KICK
								PLUG#3 6524' 10' SAND 7 MIN 300# KICK
								PLUG#4 7092' 30' SAND 10 MIN 300# KICK
								PLUG#5 8034' 45' SAND 15 MIN 700# KICK
								PLUG#6 8422' 30' SAND 15 MIN 1000# KICK
								PLUG#7 8856' 40' SAND 17 MIN 900# KICK
								PLUG#8 9026' 20' SAND 6 MIN 900# KICK
								RIH TO 10,307 C/O PBD, POOH 14 JTS TBG TO 9878' LAND TBG, WITH 311 JTS, 9875.90' TBG, EOT, XNSN 1.875" , RD BOP'S, NU WELL HD, DROP BALL, POBS AT 2000#, TURN WELL TO FBC, RDMO
3/13/2010	DWC: \$ 0.00		CWC: ██████████					

US ROCKIES REGION  
**Operation Summary Report**

Well: NBU 920-27D

Project: UTAH-UINTAH	Site: NBU 920-27D	Rig Name No: MILES 2/2
Event: RECOMPL/RESEREVEADD	Start Date: 3/5/2010	End Date: 3/12/2010
Active Datum: RKB @4,834.00ft (above Mean Sea Level)	UWI: NBU 920-27D	
Spud Date: 8/1/2008		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
JESSE ATW	7:00 -			33	A			7 AM FLBK REPORT: CP 1000#, TP 700#, 20/64" CK, 53 BWPH, TRACE SAND, LIGHT GAS TTL BBLs RECOVERED: 3389 BBLs LEFT TO RECOVER: 6588
	13:00 -		PROD	50				WELL TURNED TO SALES @ 1300 HR ON 3/13/2010 - 280 MCFD, 1272 BWPD, CP 1350#, FTP 240#, CK 20/64"
3/14/2010	<u>DWC:</u> \$ 0.00		<u>CWC:</u> \$	[REDACTED]				
JESSE ATW	7:00 -			33	A			7 AM FLBK REPORT: CP 1800#, TP 850#, 20/64" CK, 38 BWPH, TRACE SAND, 442 GAS TTL BBLs RECOVERED: 4464 BBLs LEFT TO RECOVER: 5513
3/15/2010	<u>DWC:</u> \$ 0.00		<u>CWC:</u> \$	[REDACTED]				
JESSE ATW	7:00 -			33	A			7 AM FLBK REPORT: CP 2150#, TP 850#, 20/64" CK, 27 BWPH, TRACE SAND, 597 GAS TTL BBLs RECOVERED: 5259 BBLs LEFT TO RECOVER: 4718
3/16/2010	<u>DWC:</u> \$ 0.00		<u>CWC:</u> \$	[REDACTED]				
JESSE ATW	7:00 -			33	A			7 AM FLBK REPORT: CP 1725#, TP 725#, 20/64" CK, 19 BWPH, TRACE SAND, 568 GAS TTL BBLs RECOVERED: 5789 BBLs LEFT TO RECOVER: 4188
3/17/2010	<u>DWC:</u> \$ 0.00		<u>CWC:</u> \$	[REDACTED]				
JESSE ATW	7:00 -		PROD	50				WELL IP'D ON 3/17/10 - 945 MCFD, 0 BOPD, 330 BWPD, CP 1356#, FTP 448#, CK /64", LP 97#, 24 HRS

<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-0582	
<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 920-27D
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047379040000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6456
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES	
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0731 FNL 0971 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 27 Township: 09.0S Range: 20.0E Meridian: S	<b>COUNTY:</b> Uintah
<b>STATE:</b> UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/24/2016	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input 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 checked="" type="checkbox"/> OTHER	OTHER: <input type="text" value="WORKOVER"/>

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

A WORKOVER FOR TUBING FAILURE HAS BEEN COMPLETED ON THE NBU 920-27D WELL. PLEASE SEE THE ATTACHED OPERATIONS SUMMARY REPORT FOR DETAILS.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 November 22, 2016

<b>NAME (PLEASE PRINT)</b> Candice Barber	<b>PHONE NUMBER</b> 435 781-9749	<b>TITLE</b> HSE Representative
<b>SIGNATURE</b> N/A	<b>DATE</b> 10/31/2016	

**US ROCKIES REGION  
Operation Summary Report**

Well: NBU 920-27D		Spud Conductor: 7/24/2008	Spud date: 8/1/2008
Project: UTAH-UINTAH		Site: NBU 920-27D	Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE		Start date: 10/19/2016	End date: 10/24/2016
Active datum: RKB @4,834.00usft (above Mean Sea Level)		UWI: NBU 920-27D	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
10/19/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM/ JSA
	7:15 - 17:00	9.75	MAINT	31	S	P		RDMO 921-35C GR, MOVE RIG & EQUIP TO LOC, MIRU, SPOT EQUIP, SICP 300 PSI, CONTROL WELL W/ 40 BBLs TMAC, NDWH, NUBOP, UNLAND TBG RIH W/ 8 JTS TBG TAG @ 10153', POOH LD 8 JTS TBG, MIRU SCAN TECH, POOH SCAN LD 311 JTS TBG, 118 YELLOW & 193 RED, RDMO SCAN TECH, SWIFN.
	7:00 - 10:30	3.50	MAINT	35		P		WELL NAME: NBU 920-27D Job Code: 80012176 WINS #: ZID: ith504 FOREMAN: V2-Derick Adams MECHANICAL:  SLICKLINE COMPANY GLENNS WIRELINE  SLICKLINE OPERATOR BRET TEL.NUMBER: 435-828-8855 DATE: 10/19/2016 Ex. mm/dd/yy  JOB DESCRIPTION RUN JDC PULLING TOOL PULLED PLUNGER. RUN JDC LATCHED BUMPER SPRING HIT A LOT UNTIL SHEARED OFF. RUN JDC PULLED BUMPER SPRING. LEFT PLUNGER AND SPRING BY WELL HEAD. FOR RIG FLUID LEVEL 4350 SEAT NIPPLE DEPTH 9840 SN TYPE TD (Max Depth) 9840
10/20/2016	7:00 - 7:15	0.25	MAINT	48		P		HSM/ JSA
	7:15 - 15:00	7.75	MAINT	31	I	P		SICP 300 PSI, CONTROL W/ 20 BBLs TMAC, PU 3 7/8" MILL & POBS W/ XN SN, TALLY PU RIH W/ 319 JTS TAG FILL @ 10124', POOH LD 2 JTS TBG, RU PWR SWVL, SWIFWE.
10/24/2016	7:00 - 7:15	0.25	MAINT	31	N	P		HELD JSA W/RIG CREW.
	7:15 - 11:00	3.75	MAINT	31	N	P		SITP 0 PSIG [STR FLOAT]. SICP 800 PSIG. MIRU WEATHERFORD N2 UNIT. BROKE CIRCULATION. C/O FILL 10,124' - 10,167'. GOT HARD C/O ADDITIONAL 2' TO 10,169' STOPPED MAKING HOLE. CIRC CLEAN. RD DRILLING EQUIPMENT. LD 10 JTS TBG. LAND TBG @ 9900' KB. ND BOP. NU TREE. PUMP MILL OFF. BROACHED TBG. KB KB = 18.00' TBH= .83' 193 JTS 2 3/8" 4.7# P-110 = 6135.99' 2 3/8" 4.7# P-110 PUP JT= 3.96' 117 JTS 2 3/8" 4.7# J-55= 3710.64' PBSN 2.20' LANDED @ 9871.62' KB

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

Well: NBU 920-27D		Spud Conductor: 7/24/2008		Spud date: 8/1/2008	
Project: UTAH-UINTAH			Site: NBU 920-27D		Rig name no.: MILES 2/2
Event: WELL WORK EXPENSE			Start date: 10/19/2016		End date: 10/24/2016
Active datum: RKB @4,834.00usft (above Mean Sea Level)			UWI: NBU 920-27D		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
	11:00 - 16:00	5.00	MAINT	31	N	P		RDMOSU. MIRU ON NBU 922-33ET. BLEW WELL AROUND W/N2. SWI. SDFN. XN @ 9869' KB EOT @ 9871.60'
10/26/2016	7:00 - 17:00	10.00	PROD	42		P		SWABBING FL 5200, 5 RUNS, 24 BARRELS