

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-0576</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>KERR MCGEE OIL AND GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
3a. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	8. Lease Name and Well No. <b>NBU 921-21L</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>NW/SW 1785'FSL, 797'FWL 622667' 40.019156</b> At proposed prod. Zone <b>44306634 -109.562597</b>		9. API Well No. <b>43-047-39256</b>
14. Distance in miles and direction from nearest town or post office* <b>11.7 +/- MILES FROM OURAY, UTAH</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>797'</b>	16. No. of Acres in lease <b>1480.00</b>	11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 21, T9S, R21E</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>10,080'</b>	12. County or Parish <b>JINTAH</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4849'GL</b>	22. Approximate date work will start* <b>UPON APPROVAL</b>	13. State <b>UTAH</b>
17. Spacing Unit dedicated to this well <b>40.00</b>		20. BLM/BIA Bond No. on file <b>RLB0005239</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>4/18/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL</b>	Date <b>04-26-07</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 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

APR 23 2007

DIV. OF OIL, GAS & MINING

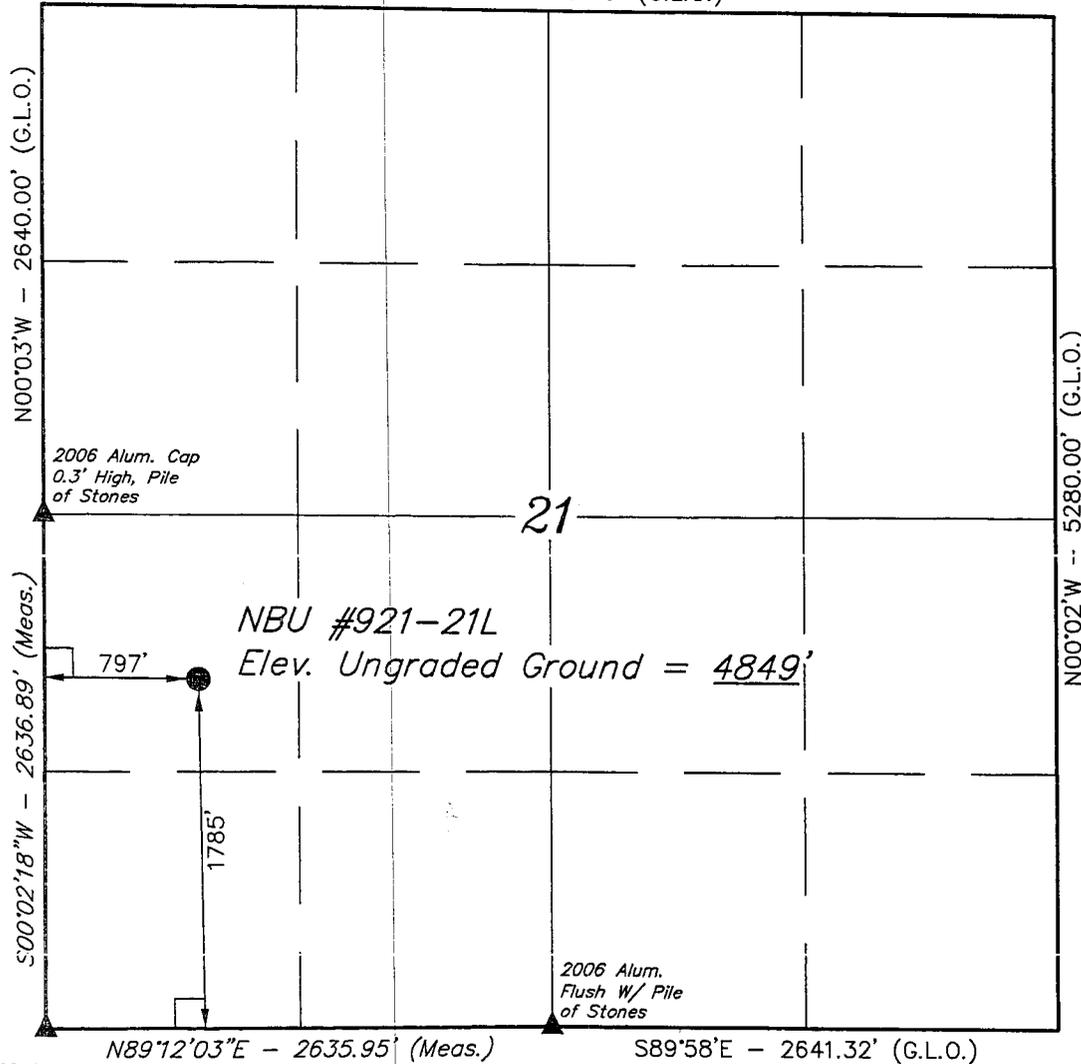
Federal Approval of this  
Action is Necessary

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

## Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #921-21L, located as shown in the NW 1/4 SW 1/4 of Section 21, T9S, R21E, S.L.B.&M., Uintah County, Utah.

N89°57'E - 5273.40' (G.L.O.)



2006 Alum. Cap  
0.5' High, Pile  
of Stones

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

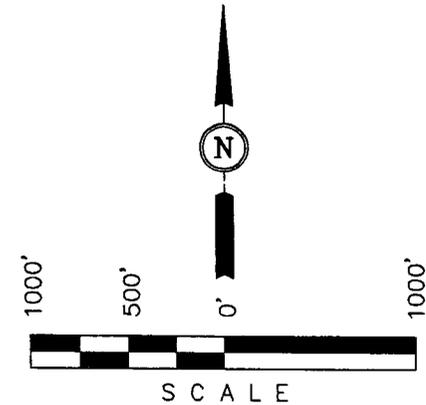
(NAD 83)  
 LATITUDE = 40°01'09.13" (40.019203)  
 LONGITUDE = 109°33'47.93" (109.563314)  
 (NAD 27)  
 LATITUDE = 40°01'09.26" (40.019239)  
 LONGITUDE = 109°33'45.45" (109.562625)

### 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, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

### BASIS OF BEARINGS

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



### CERTIFICATE

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



<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b> 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 01-23-07	DATE DRAWN: 01-30-07
PARTY L.K. J.M. C.H.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 921-21L  
NW/SW Sec. 21, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-0576

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1598'
Top of Birds Nest Water	1896'
Mahogany	2247'
Wasatch	4940'
Mesaverde	7869'
MVU2	8828'
MVL1	9412'
TD	10,080'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1598'
	Top of Birds Nest Water	1896'
	Mahogany	2247'
Gas	Wasatch	4940'
Gas	Mesaverde	7869'
Gas	MVU2	8828'
Gas	MVL1	9412'
Water	N/A	
Other Minerals	N/A	

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

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

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

*Please see the Natural Buttes Unit SOP.*

**5. Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

**6. Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,080' TD, approximately equals 6250 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4032 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

*Please see Natural Buttes Unit SOP.*

10. **Other Information:**

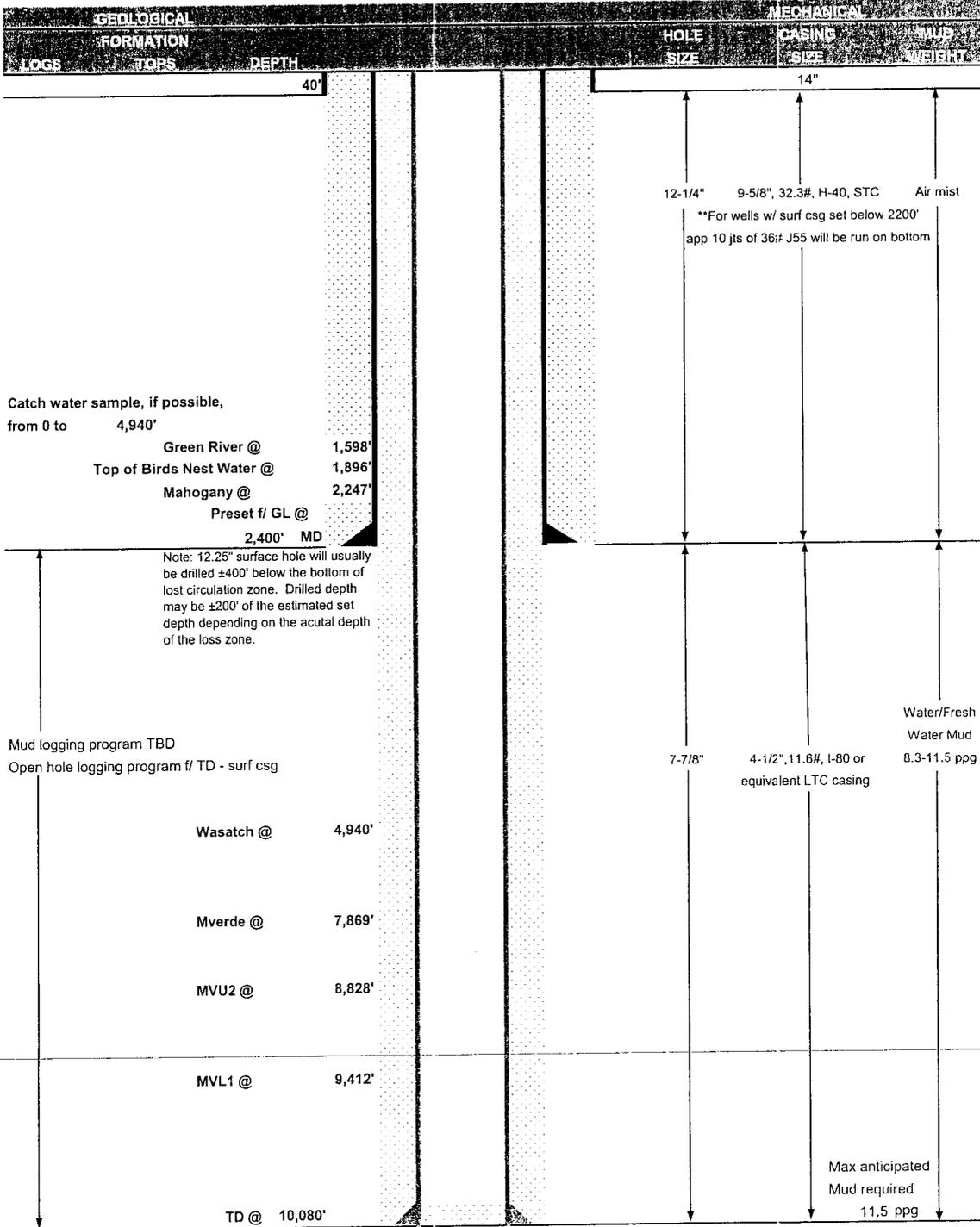
*Please see Natural Buttes Unit SOP.*

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# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE April 18, 2007  
 WELL NAME NBU 921-21L TD 10,080' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,848' GL KB 4,863'  
 SURFACE LOCATION NW/SW SEC. 21, T9S, R21E 1785'FSL 797'FWL BHL Straight Hole  
 Latitude: 40.019203 Longitude: 109.563314  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: TRIBAL (SURF & MINERALS), BLM, UDOGM, Tri-County Health Dept





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

### CASING PROGRAM

	SIZE	INTERVAL	MW	GR	CPLG	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2000	32.30	H-40	STC	2270 0.60*****	1370 1.46	254000 3.74
	9-5/8"	2000 to 2400	36.00	J-55	STC	3520 1.15*****	2020 1.80	564000 8.31
PRODUCTION	4-1/2"	0 to 10080	11.60	I-80	LTC	7780 2.04	6350 1.05	201000 1.97

- 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 = 11.5 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 3810 psi
- \*\*\*\*\* Burst SF is low but csg is stronger than formation at 2400 feet
- \*\*\*\*\* EMW @ 2400 for 2270# is 18.2 pp/g or 0.9 psi/ft

### CEMENT PROGRAM

		LEAD	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD	
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18	
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18	
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
SURFACE Option 2	<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>							
	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	4,440'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	490	60%	11.00	3.38	
	TAIL	5,640'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1580	60%	14.30	1.31	

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

\*Substitute caliper hole volume plus 1% 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

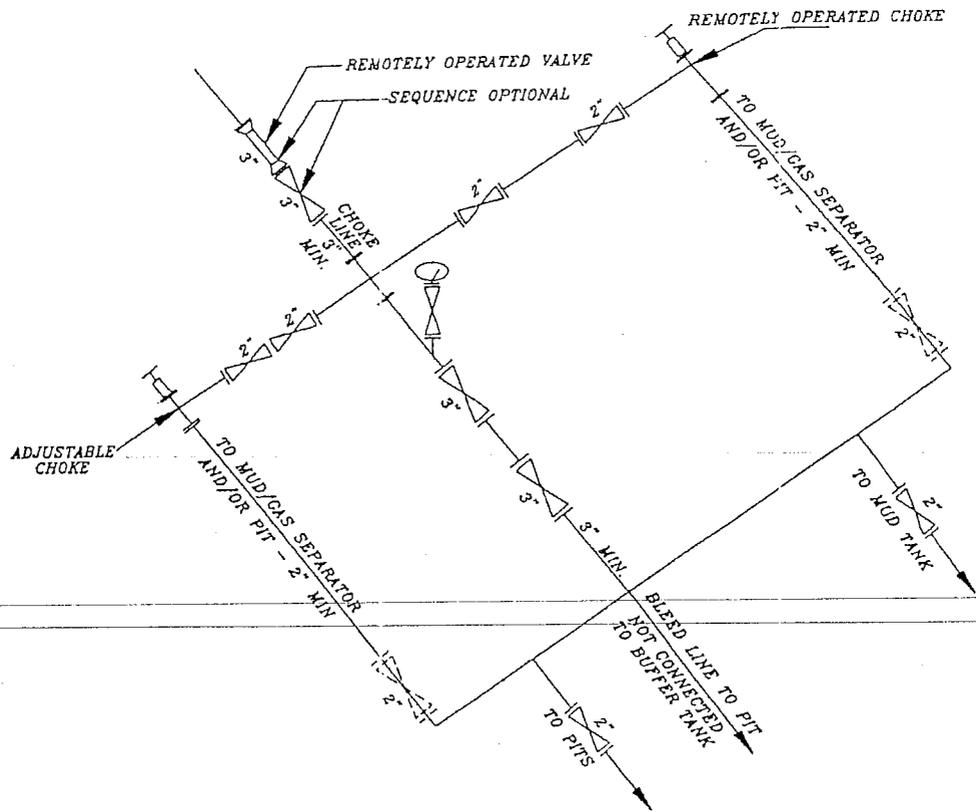
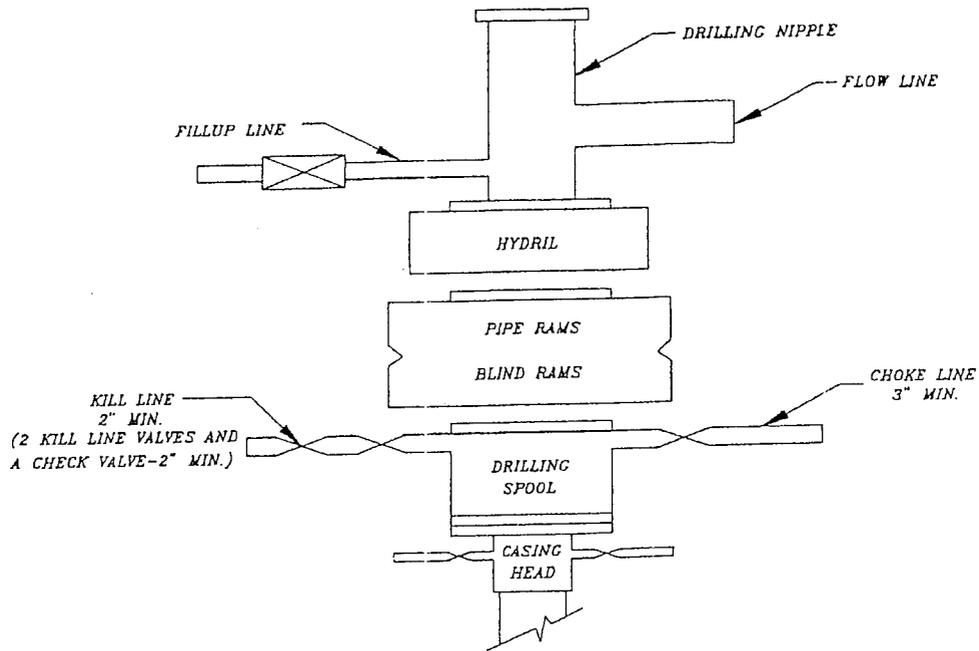
DATE: \_\_\_\_\_

DRILLING SUPERINTENDENT: \_\_\_\_\_

Randy Bayne

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

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



NBU 921-21L  
NW/SW SEC. 21, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-0576

ONSHORE ORDER NO. 1

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

1. **Existing Roads:**

Refer to the attached location directions.

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 180' +/- of new access road. Please refer to the attached 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.*

Approximately 1897' +/- of 4" pipeline is proposed from the location to an existing 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 Brown (2.5Y 6/2), a non-reflective earthtone.

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

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

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

*Please see the Natural Buttes SOP.*

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

**8. Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

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

Culverts will be installed where needed.

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

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 SOP.*

**11. Surface Ownership:**

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

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

**12. Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

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 boundaries of the unit.

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

Sheila Upchego  
Senior Land Admin Specialist  
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.

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 the terms and conditions of the lease for the operations conducted upon leased lands.

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

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

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

4/18/2007

Date

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-21L

SECTION 21, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 180' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 41.6 MILES.

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# Kerr-McGee Oil & Gas Onshore LP

NBU #921-21L

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 21, T9S, R21E, S.L.B.&M.

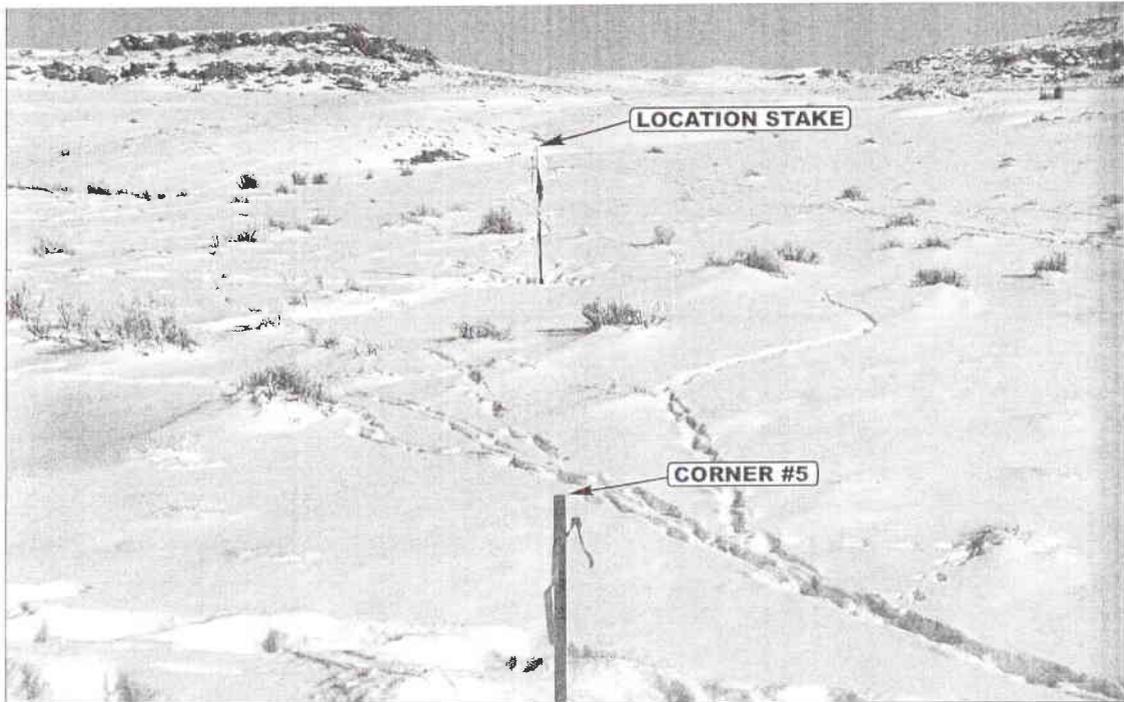


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: SOUTHERLY



- Since 1964 -

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

LOCATION PHOTOS

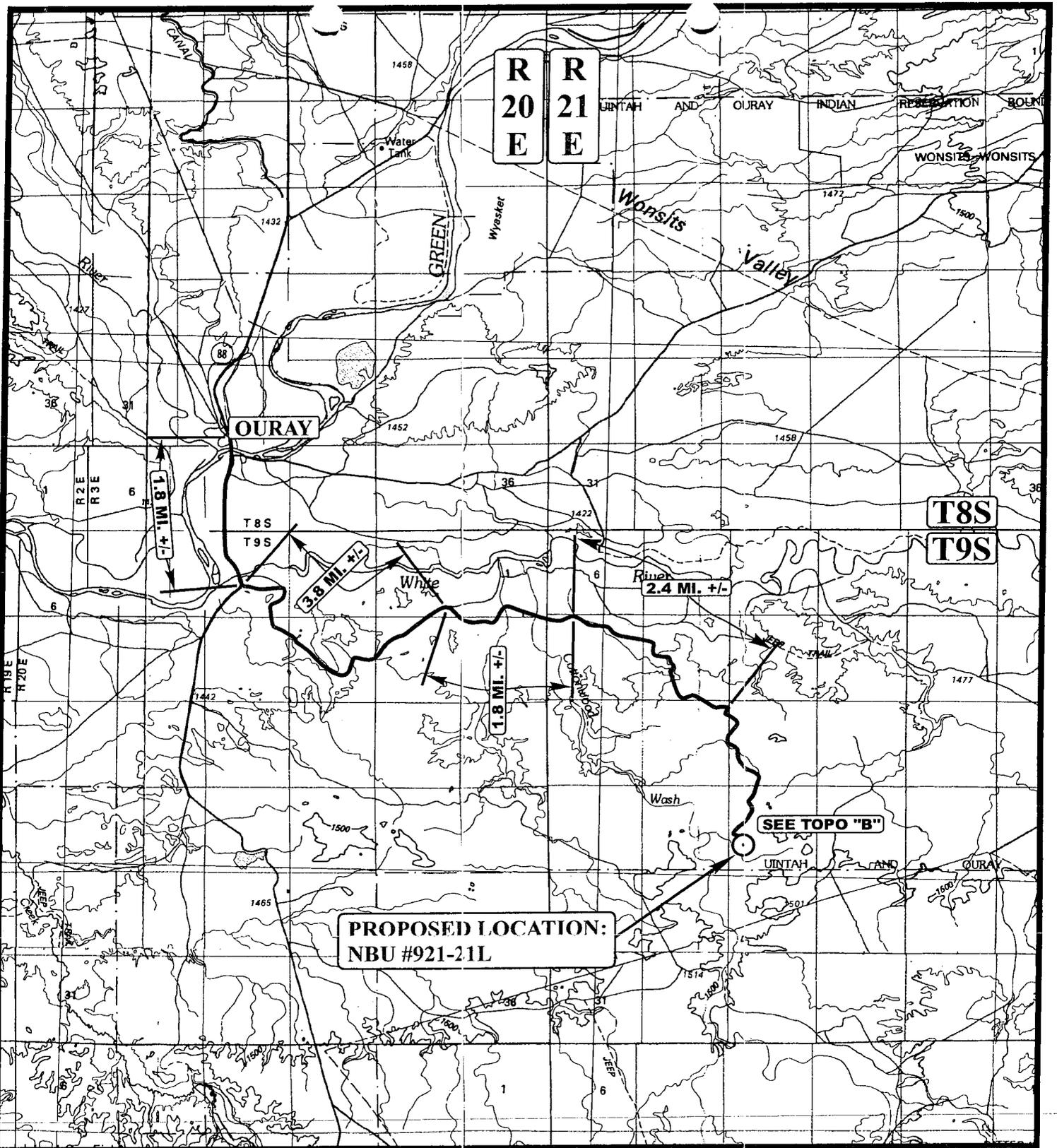
01 26 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: L.K.

REVISED: 00-00-00



**PROPOSED LOCATION:  
NBU #921-21L**

**SEE TOPO "B"**

**LEGEND:**

○ PROPOSED LOCATION

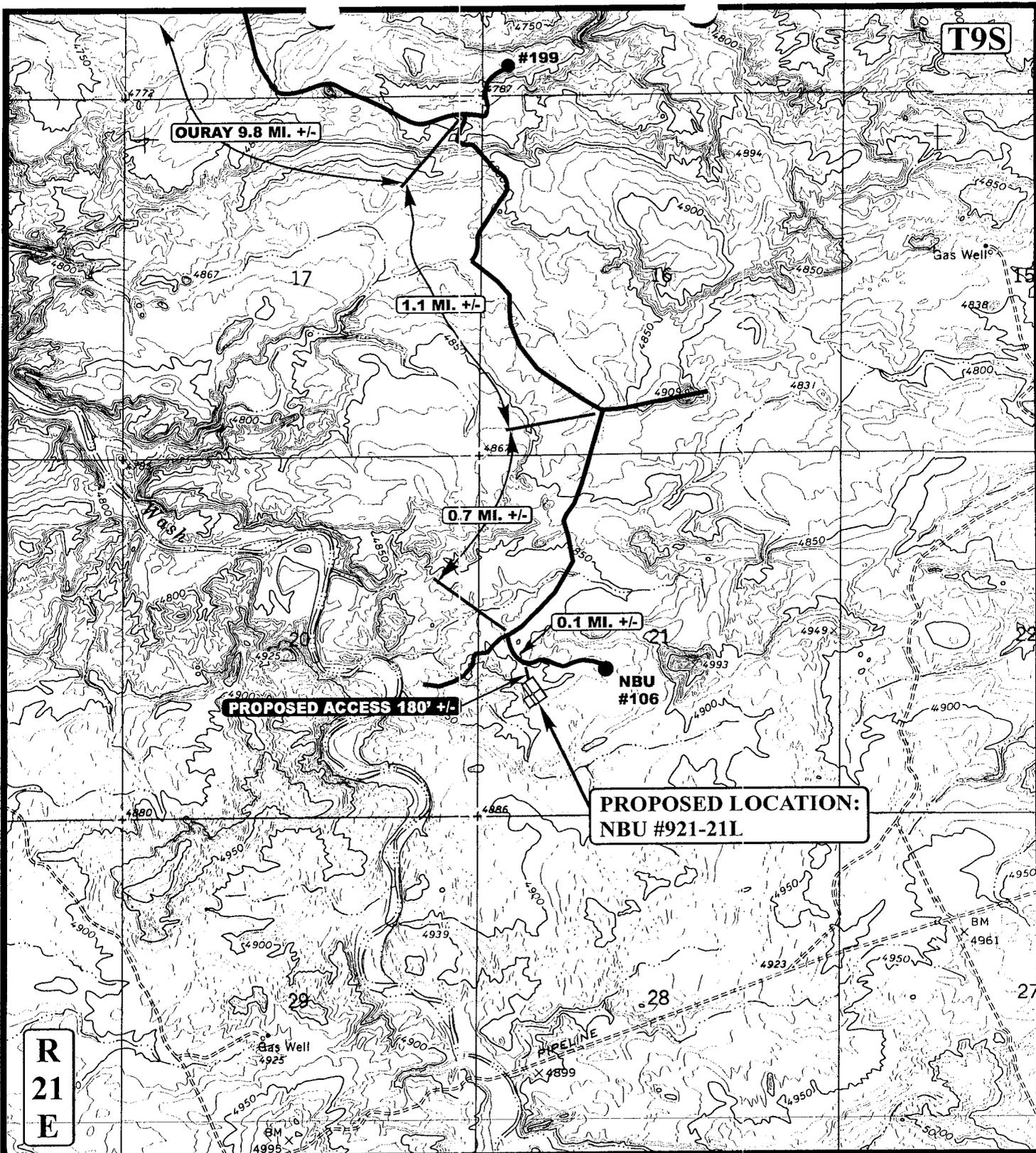


**Kerr-McGee Oil & Gas Onshore LP**

**NBU #921-21L  
SECTION 21, T9S, R21E, S.L.B.&M.  
1785' FSL 797' FWL**

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

**TOPOGRAPHIC MAP** 01 26 07  
MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: L.K. REVISED: 00-00-00 **A TOPO**



**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD



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

NBU #921-21L  
 SECTION 21, T9S, R21E, S.L.B.&M.  
 1785' FSL 797' FWL

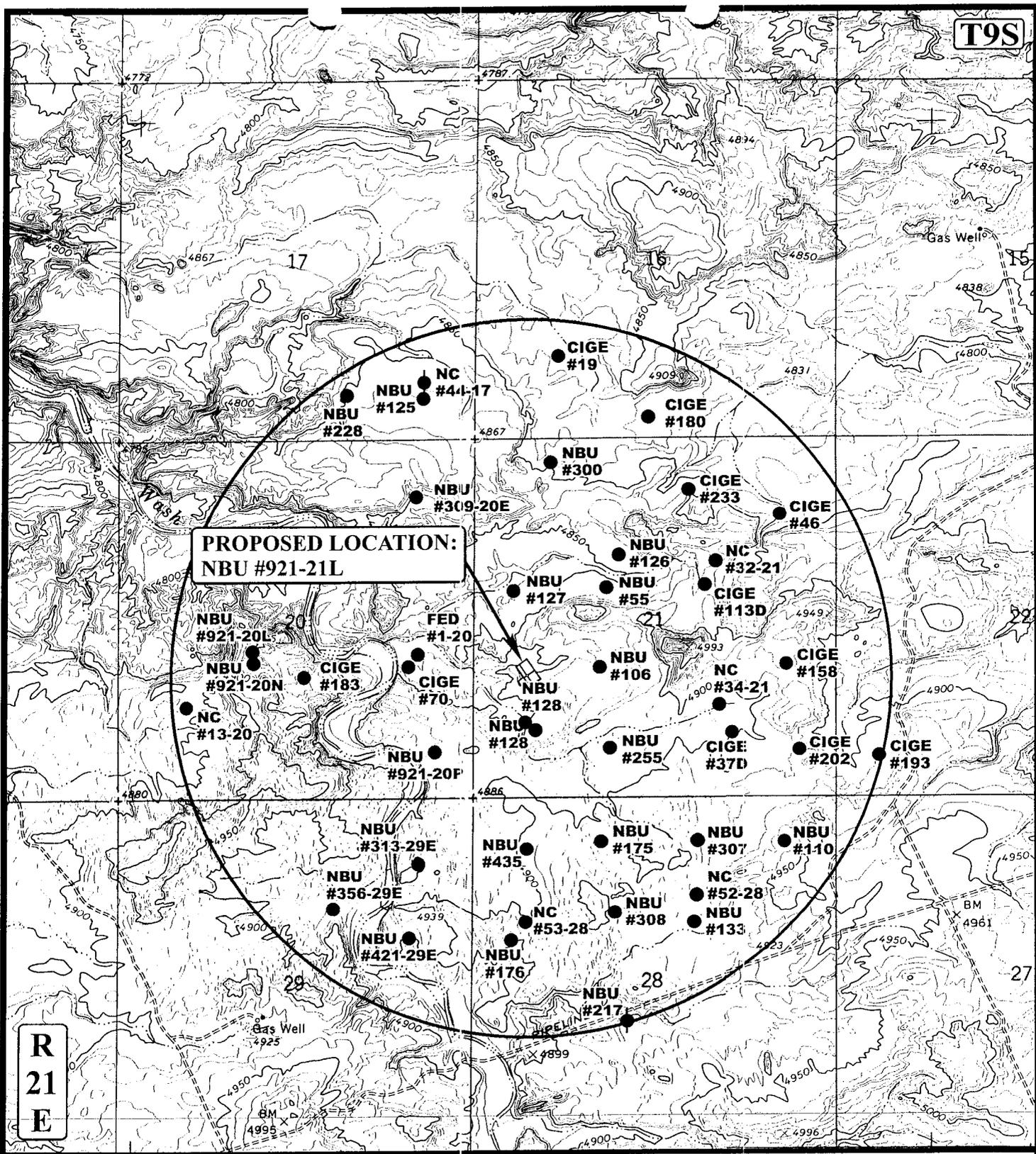


**Utah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC			01	26	07
MAP			MONTH	DAY	YEAR
SCALE: 1" = 2000'		DRAWN BY: L.K.		REVISED: 00-00-00	



T9S



**PROPOSED LOCATION:  
NBU #921-21L**

R  
21  
E

**LEGEND:**

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

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

NBU #921-21L  
 SECTION 21, T9S, R21E, S.L.B.&M.  
 1785' FSL 797' FWL



Utah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
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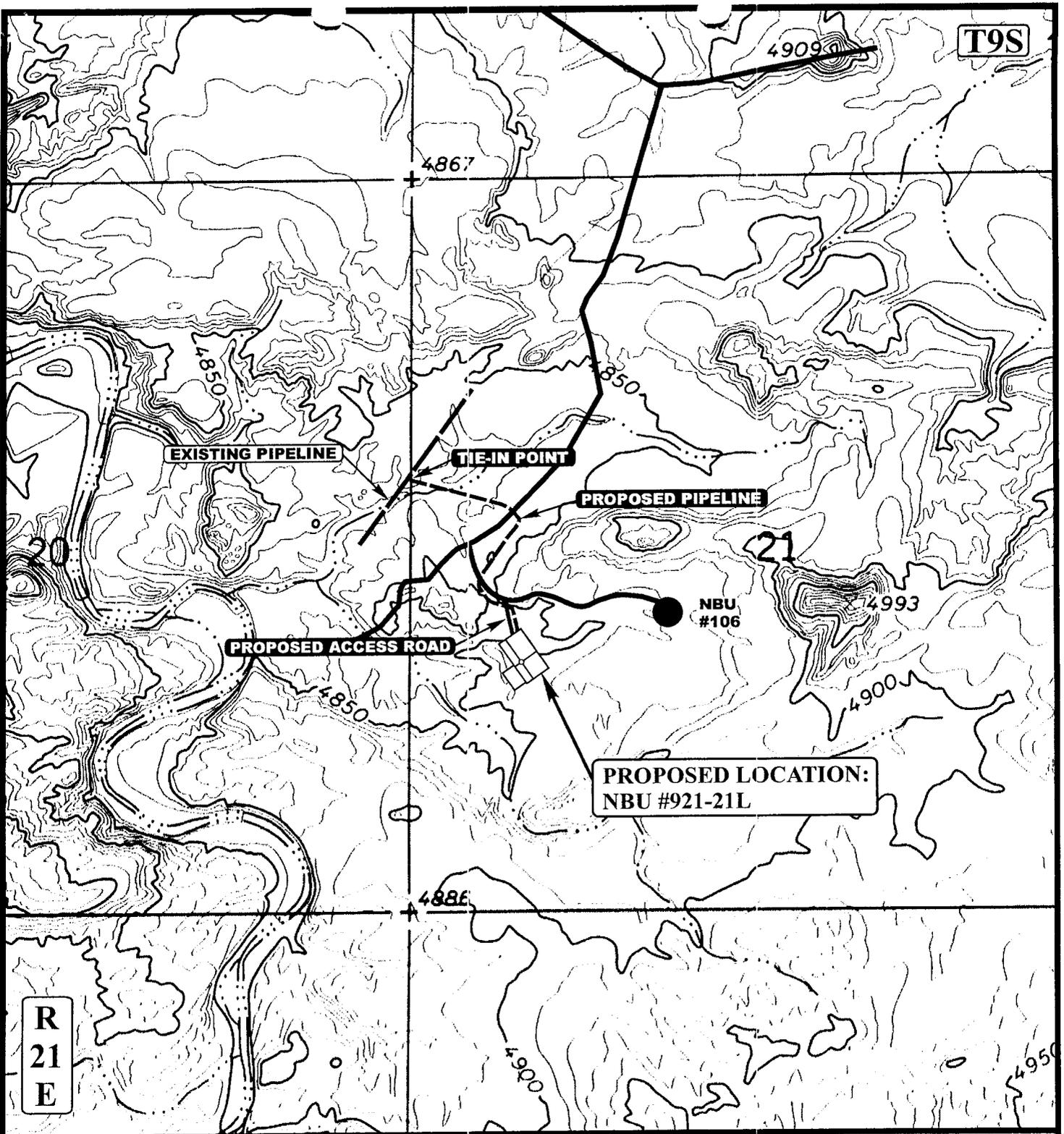


TOPOGRAPHIC  
MAP

01	26	07
MONTH	DAY	YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1,897' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - PROPOSED PIPELINE
- - - PROPOSED PIPELINE (SERVICING OTHER WELLS)



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

NBU #921-21L  
SECTION 21, T9S, R21E, S.L.B.&M.  
1785' FSL 797' FWL



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

TOPOGRAPHIC MAP  
01 26 07  
MONTH DAY YEAR  
SCALE: 1" = 1000' DRAWN BY: L.K. REVISED: 00-00-00



# Kerr-McGee Oil & Gas Onshore LP

NBU #921-21L  
PIPELINE ALIGNMENT  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 21, T9S, R21E, S.L.B.&M.



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHWESTERLY

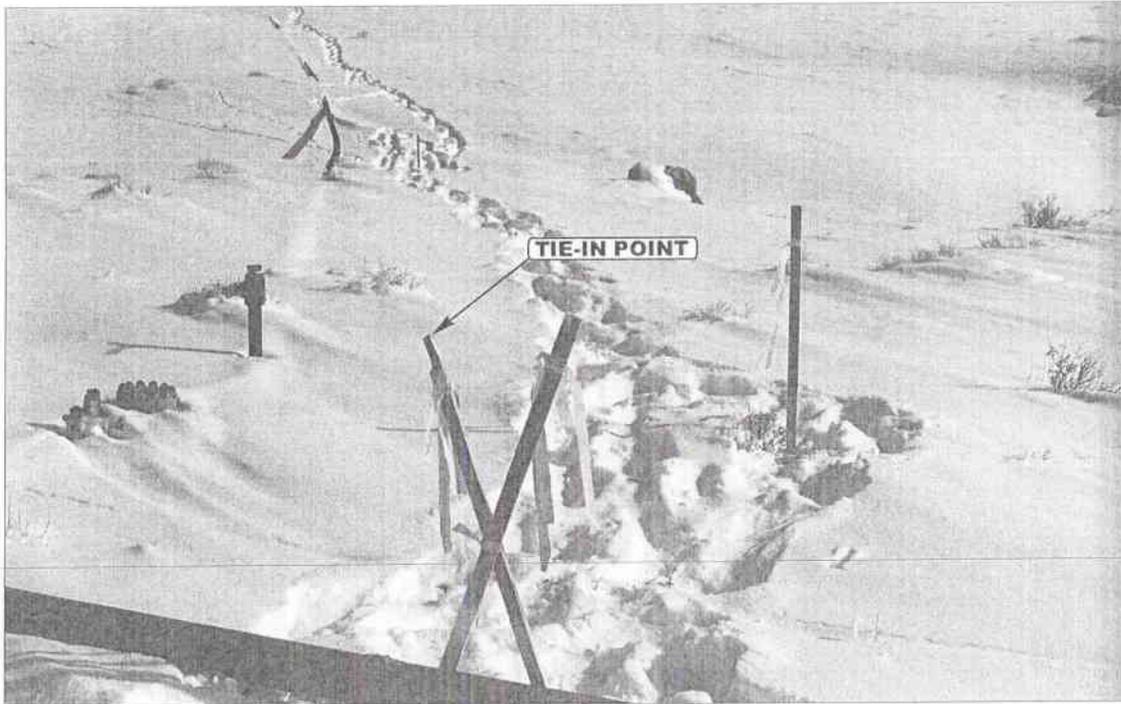


PHOTO: VIEW OF TIE-IN POINT

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

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

PIPELINE PHOTOS

01 26 07  
MONTH DAY YEAR

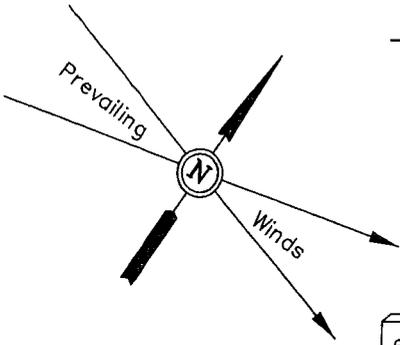
PHOTO

TAKEN BY: L.K. | DRAWN BY: L.K. | REVISED: 00-00-00

# Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR  
 NBU #921-21L  
 SECTION 21, T9S, R21E, S.L.B.&M.  
 1785' FSL 797' FWL

Proposed Access Road



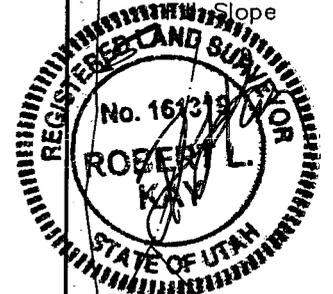
F-5.9'  
 El. 42.0'

Sta. 3+50

SCALE: 1" = 50'  
 DATE: 01-31-07  
 Drawn By: C.H.

Approx. Top of Cut Slope

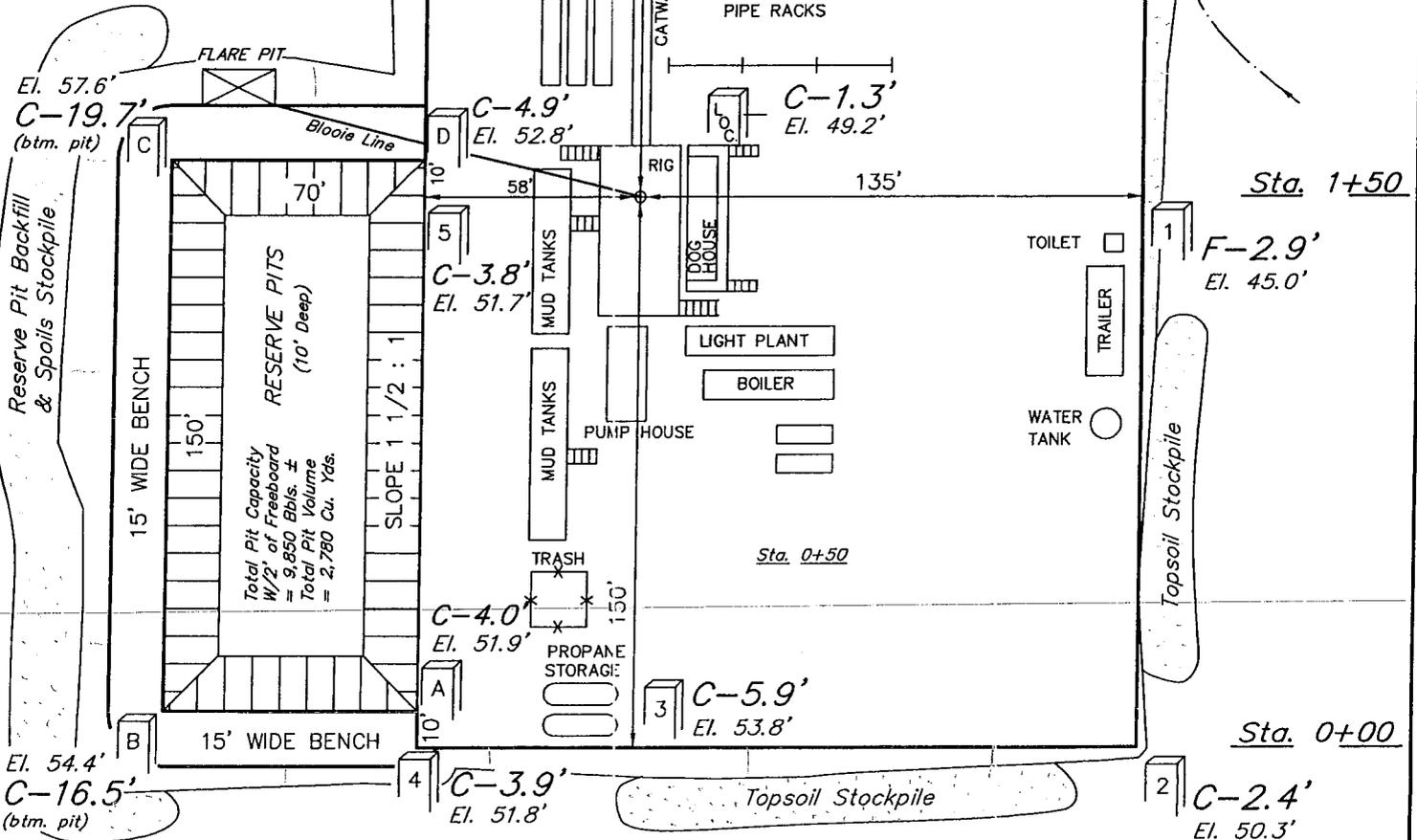
Round Corners as Needed



Existing Drainage

**NOTE:**

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



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 4849.2'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 4847.9'

**FIGURE #1**

# Kerr-McGee Oil & Gas Onshore LP

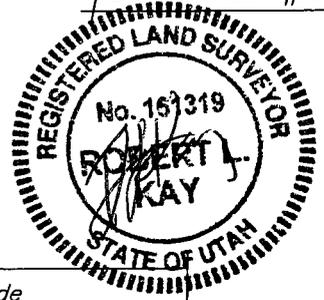
FIGURE #2

## TYPICAL CROSS SECTIONS FOR

NBU #921-21L

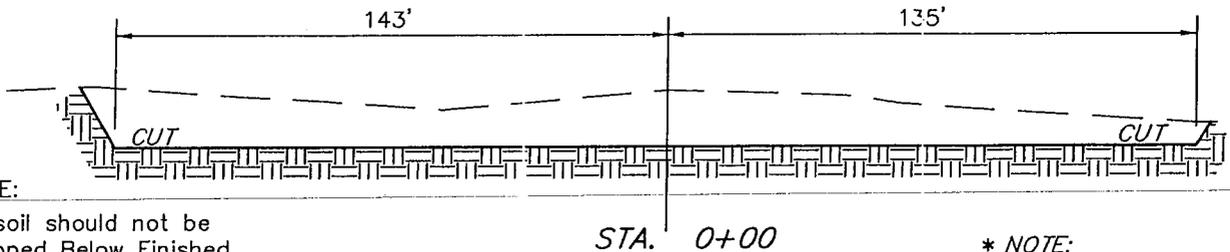
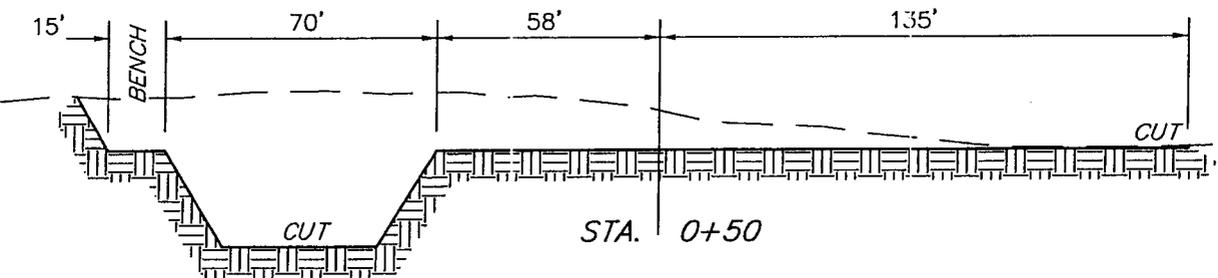
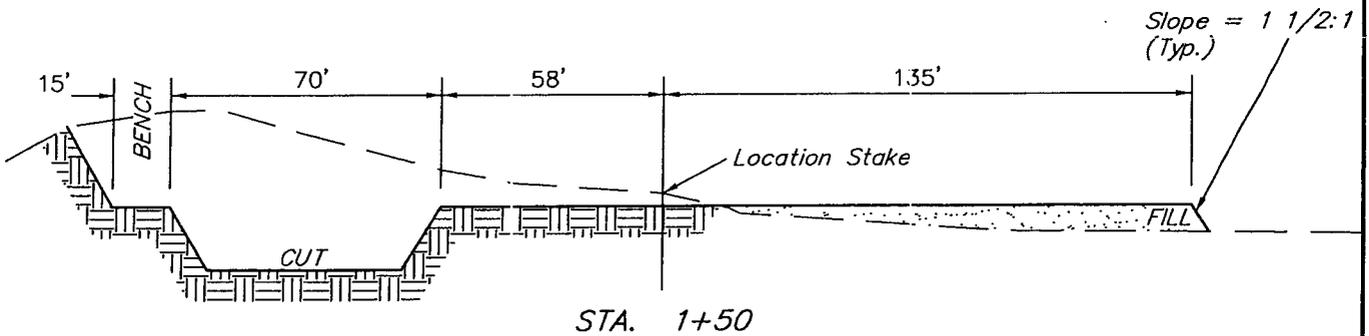
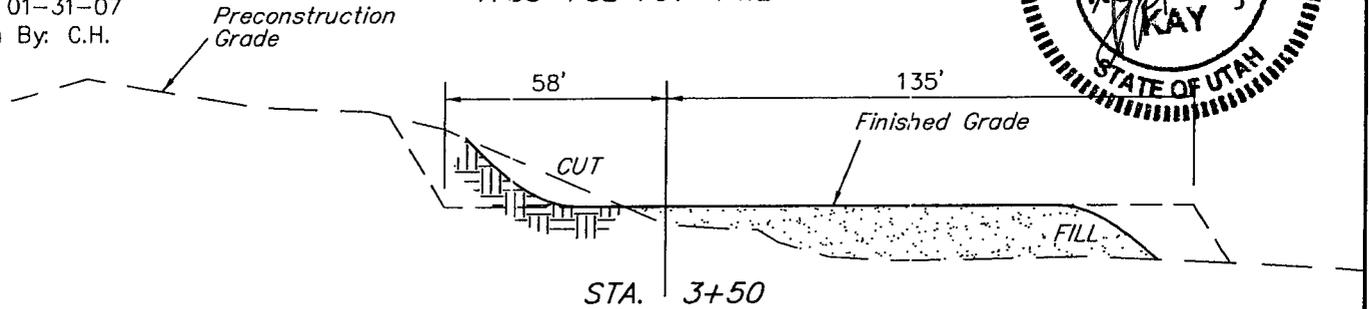
SECTION 21, T9S, R21E, S.L.B.&M.

1785' FSL 797' FWL



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

DATE: 01-31-07  
Drawn By: C.H.



**NOTE:**

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

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

CUT	
(12") Topsoil Stripping	= 3,530 Cu. Yds.
Remaining Location	= 9,620 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 13,150 CU.YDS.</b>
<b>FILL</b>	<b>= 3,690 CU.YDS.</b>

EXCESS MATERIAL	= 9,460 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,920 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 4,540 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39256

WELL NAME: NBU 921-21L

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NWSW 21 090S 210E  
 SURFACE: 1785 FSL 0797 FWL  
 BOTTOM: 1785 FSL 0797 FWL  
 COUNTY: UINTAH  
 LATITUDE: 40.01916 LONGITUDE: -109.5626  
 UTM SURF EASTINGS: 622667 NORTHINGS: 4430663  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0576

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0005239 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
- Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 17314
- Eff Date: 12-2-99
- Siting: 460' fr U.S. & uncomm. Tract
- R649-3-11. Directional Drill

COMMENTS:

Sep, Separate file

STIPULATIONS:

1 - Federal Approval  
2 - Oil Shale



# 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)

April 25, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2007 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 2007 within the Natural Buttes Unit, Uintah County, Utah.

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

(Proposed PZ Wasatch/MesaVerde)

43-047-39237	NBU 921-8B	Sec 08 T'09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T'09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T'09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T'09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T'09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T'09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T'09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T'09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T'09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T'09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T'09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T'09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T'09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T'09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T'09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T'09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T'09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T'09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T'09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T'09S R21E 2015 FSL 0713 FWL

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

MCoulthard:mc:4-25-07



**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*

April 26, 2007

Kerr McGee Oil and Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 921-21L Well, 1785' FSL, 797' FWL, NW SW, Sec. 21,  
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39256.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Kerr McGee Oil and Gas Onshore LP  
Well Name & Number Natural Buttes Unit 921-21L  
API Number: 43-047-39256  
Lease: UTU-0576

Location: NW SW                      Sec. 21                      T. 9 South                      R. 21 East

### Conditions of Approval

#### 1. General

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

#### 2. Notification Requirements

Notify the Division with 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 Dustin Doucet at (801) 538-5281 office  
(801) 733-0983 home

#### 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.

0006-17

RECEIVED  
VERNAL FIELD OFFICE

Form 3160-3  
(August 1999)

2007 APR 19 PM 12:01

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>UTU-0576</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>KERR MCGEE OIL AND GAS ONSHORE LP</b>		7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>	3b. Phone No. (include area code) <b>(435) 781-7024</b>	8. Lease Name and Well No. <b>NBU 921-21L</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>NW/SW 1785'FSL, 797'FWL</b> At proposed prod. Zone		9. API Well No. <b>43,047,39,256</b>
14. Distance in miles and direction from nearest town or post office* <b>11.7 +/- MILES FROM OURAY, UTAH</b>		10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>797'</b>	16. No. of Acres in lease <b>1480.00</b>	11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 21, T9S, R21E</b>
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>	17. Spacing Unit dedicated to this well <b>40.00</b>	12. County or Parish <b>UINTAH</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4849'GL</b>	19. Proposed Depth <b>10,080'</b>	13. State <b>UTAH</b>
22. Approximate date work will start* <b>UPON APPROVAL</b>		20. BLM/BIA Bond No. on file <b>RLB0005239</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>4/18/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>TERRY KENICKA</b>	Date <b>11-5-2007</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, if any, are attached.

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

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

NOV 09 2007

DIV. OF OIL, GAS & MINING

NO NOS  
372x34002 A



**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**

**Company:** Kerr-McGee Oil & Gas Onshore, LP      **Location:** NWSW, Sec. 21, T9S, R21E  
**Well No:** NBU 921-21L      **Lease No:** UTU-0576  
**API No:** 43-047-39256      **Agreement:** Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

**Fax: (435) 781-3420**

**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**

Construction Activity	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
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)**

### **General Surface COAs**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

### **Specific Surface COAs**

#### **Additional Stipulations:**

- 1) Paint tanks Carlsbad tan.

### **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 ROWs.
- 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 APDs 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 APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should 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 should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

**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.
- 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](mailto: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, LP**

Well Name: **NBU 921-21L**

API No: **43-047-39256** Lease Type: **Federal/Indian**

Section **21** Township **09S** Range **21 E** County **Uintah**

Drilling Contractor **Pete Martin Drilling** Rig # **Bucket**

**SPUDDED:**

Date **12-12-07**

Time **8:00 AM**

How **Dry**

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

Reported by **Lou Weldon**

Telephone # **435-828-7035**

Date **12-13-07** Signed **RM**

**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
4304739256	NBU 921-21L		NWSW	21	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	99999	<u>2900</u>	12/12/2007		<u>12/31/07</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 12/12/2007 AT 0800 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737106	FEDERAL 1022-33F		SESW	33	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>A</u>	99999	<u>16560</u>	12/12/2007		<u>12/31/07</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 12/12/2007 AT 12:30 PM.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738119	BITTER CREEK 1122-6C		NENW	6	11S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>A</u>	99999	<u>16563</u>	12/12/2007		<u>12/31/07</u>		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSMVD</u> SPUD WELL LOCATION ON 12/12/2007 AT 0930 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

SENIOR LAND SPECIALIST

Title

12/13/2007

Date

**RECEIVED**

**DEC 13 2007**

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**

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/SW SEC. 21, T9S, R21E 1785'FSL, 797'FWL**

5. Lease Serial No.  
**UTU-0576**

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 921-21L**

9. API Well No.  
**4304739256**

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

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

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 12/12/2007 AT 0800 HRS.

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 	Date <b>December 13, 2007</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

DEC 14 2007

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-0576**

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 921-21L**

9. API Well No.  
**4304739256**

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/SW SEC. 21, T9S, R21E 1785'FSL, 797'FWL**

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

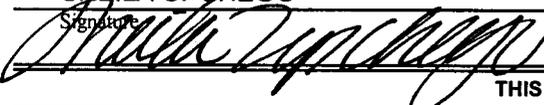
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> 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>SET SURFACE</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>CSG</b>
	<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 BILL MARTIN AIR RIG ON 12/20/2007. DRILLED 12 1/4" SURFACE HOLE TO 2760'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/250 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGHOUT JOB 25 +/- BBL 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. CMT TO SURFACE AND FELL BACK. TOP OUT W/50 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE 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>SENIOR LAND ADMIN SPECIALIST</b>
Signature 	Date <b>December 27, 2007</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

**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/SW SEC. 21, T9S, R21E 1785'FSL, 797'FWL**

5. Lease Serial No.  
**UTU-0576**

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 921-21L**

9. API Well No.  
**4304739256**

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

FINISHED DRILLING FROM 2760' TO 9955' ON 02/08/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/530 SX PREM LITE II @11.6 PPG 2.61 YIELD. TIALED CMT W/1290 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DISPLACE W/154.6 BBLS WATER & CLAYTREAT BUMP PLUG FLOATS OK 40 BBLS LEAD CMT RETURNS TO PIT. LAND CSG W/85,000 TEST HANGER SEALS OK. REMOVE LANDING JOINT CLEAN MUD PITS.

RECEIVED

FEB 25 2008

DIV. OF OIL, GAS & MINING

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

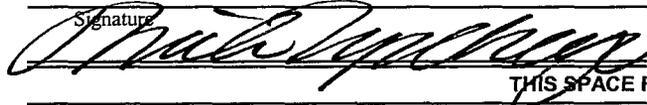
Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature



Date

February 12, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

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

Office

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.  
**UTU-0576**

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 921-21L**

9. API Well No.  
**4304739256**

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/SW SEC. 21, T9S, R21E 1785'FSL, 797'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>PRODUCTION START-UP</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/BLA. 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 03/08/2008 AT 10:00 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 	Date <b>March 12, 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.

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**

**MAR 17 2008**

Wins No.: 94968

NBU 921-21L

Well Operations Summary Long

Operator KERR-MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTE	SPUD DATE 12/12/2007	GL 4,848	KB 4862	ROUTE
API 4304739256	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.01920 / -109.56331		Q-Q/Sec/Town/Range: NWSW / 21 / 9S / 21E		Footages: 1,785.00' FSL 797.00' FWL	

Wellbore: NBU 921-21L

MTD 9,955	TVD 9,949	PBMD	PBTD
EVENT INFORMATION:		START DATE: 12/12/2007	
OBJECTIVE: DRILLING		END DATE: 2/13/2008	
OBJECTIVE: DEVELOPMENT		DATE WELL STARTED PROD.:	
OBJECTIVE 2:		Event End Status: COMPLETE	
REASON:			

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
BILL JRS RATHOLE DRILLIN	12/17/2007	12/17/2007	12/17/2007	12/17/2007	12/22/2007	12/22/2007	12/22/2007

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
------	----------------	---------------	-------	------	---------	-----	-----------

12/12/2007  
SUPERVISOR: LEW WELDON

0:00 - 8:00	8.00	DRLCON	12		P	WAIT ON PETE MARTIN BUCKET RIG
8:00 - 14:00	6.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 0800 HR 12/12/07 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 12 BLM AND STATE NOTIFIED OF SPUD
14:00 - 0:00	10.00	DRLCON	12		P	WOAR

12/17/2007  
SUPERVISOR: LEW WELDON

0:00 - 17:00	17.00	DRLSUR	12		P	WAIT ON BILL JR AIR RIG
17:00 - 18:00	1.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1700 HR 12/17/07 DRILL TO 120' AND SDFN
18:00 - 0:00	6.00	DRLSUR	12		P	SDFN

12/18/2007  
SUPERVISOR: LEW WELDON

0:00 - 6:00	6.00	DRLSUR	12		P	SDFN
6:00 - 18:00	12.00	DRLSUR	02		P	RIH TO 120' AND DRILL PIOLET HOLE TO 810' TOOH AND RIG DOWN AIR RIG

12/19/2007  
SUPERVISOR: LEW WELDON

0:00 - 6:00	6.00	DRLSUR	12		P	SDFN
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Wins No.:	NBU 921-21L					API No.:	4304739256
0:00 - 6:00	6.00	DRLSUR	12	P	SDFN		
6:00 - 18:00	12.00	DRLSUR	02	P	RIH TO 810' AND DRILL PIOLET HOLE TO 1020' CONDITION HOLE 1 HR AND TOO H		
18:00 - 0:00	6.00	DRLSUR	12	P	WAIT ON BILL JR AIR RIG		
12/20/2007							
SUPERVISOR: LEW WELDON							
0:00 - 2:30	2.50	DRLSUR	12	P	WAIT ON BILL JR AIR RIG		
2:30 - 12:00	9.50	DRLSUR	02	P	MOVE IN AND RIG UP AIR RIG RIH TO 1020' SPUD WELL @ 0230 HR 12/20/07 DA AT REPORT TIME 1530'		
12:00 - 0:00	12.00	DRLSUR	02	P	RIG DRILLING AHEAD NO WATER 2010'		
12/21/2007							
SUPERVISOR: LEW WELDON							
0:00 - 12:00	12.00	DRLSUR	02	P	RIG DRILLING AHEAD NO WATER 2350'		
12:00 - 18:00	6.00	DRLSUR	02	P	RIG T/D @ 2760' CONDITION HOLE 1 HR		
18:00 - 0:00	6.00	DRLSUR	05	P	TRIP DP OUT OF HOLE		
12/22/2007							
SUPERVISOR: LEW WELDON							
0:00 - 3:00	3.00	DRLSUR	11	P	RUN 55 JNTS RIG BROKE DOWN WITH 8 JNTS LEFT TO RUN WAIT ON CRANE AND RIG		
3:00 - 19:30	16.50	DRLSUR	12	Z	CHANGE OUT RIGS AND FINISH RUNNING 2724' OF 9 5/8 CSG		
19:30 - 20:30	1.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 250 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS TRUOUT JOB +/- 25 BBL LEAD CMT TO PIT		
20:30 - 21:00	0.50	DRLSUR	15	P	1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC		
21:00 - 22:00	1.00	DRLSUR	15	P	2ND TOP JOB 50 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE		
22:00 - 0:00	2.00	DRLSUR	12	P	NO VISIBLE LEAKS PIT 1/4 FULL WORT		
1/25/2008							
SUPERVISOR: DALE STUCKS							

0:00 - 7:00 7.00 DRLPRO 01 E P RIG DOWN

7:00 - 0:00 17.00 DRLPRO 01 B P MOVE IN AND RIG UP

1/26/2008

SUPERVISOR: DALE STUCKS

0:00 - 0:00 24.00 DRLPRO 01 A P RIG DOWN, MOVE RIG, RIG UP, 20%

1/27/2008

SUPERVISOR: DALE STUCKS

0:00 - 4:30 4.50 DRLPRO 05 A P PICKUP D.P., INSTALL ROTATE HEAD RUBBER, DRIVE BUSHING.

4:30 - 5:30 1.00 DRLPRO 08 B P DRILL FLOAT EQUIPMENT-CMT TO 2760'

5:30 - 6:00 0.50 DRLPRO 09 A P WLS @ 2700' 1.90 DEGREE

6:00 - 13:00 7.00 DRLPRO 02 A P DRILL F/ 2760' TO 3112' 352' 50.2 FPH

13:00 - 13:30 0.50 DRLPRO 06 A P RIG SERVICE

13:30 - 16:00 2.50 DRLPRO 02 A P DRILL F/ 3112' TO 3328' 214' = 85.6 FPH

16:00 - 18:00 2.00 DRLPRO 07 A Z REPAIR KELLY SPINER

18:00 - 18:30 0.50 DRLPRO 09 A P WLS @ 3262' 2.44 DEGREE

18:30 - 0:00 5.50 DRLPRO 02 A P DRILL F/ 3328' TO 3650' 322' = 58.5 FPH

1/28/2008

SUPERVISOR: DALE STUCKS

0:00 - 3:30 3.50 DRLPRO 02 A P DRILL F/ 3650' TO 3836' 186' = 53.1 FPH

3:30 - 4:00 0.50 DRLPRO 09 A P WLS @ 3759' 2.34 DEGREE

4:00 - 10:00 6.00 DRLPRO 02 A P DRILL F/ 3836' TO 4057' 221' = 36.8 FPH

10:00 - 10:30 0.50 DRLPRO 06 A P RIG SERVICE

10:30 - 0:00 13.50 DRLPRO 02 A P DRILL F/ 4057' TO 5060' 1003' = 74.2 FPH

1/29/2008  
SUPERVISOR: DALE STUCKS

0:00 - 13:00	13.00	DRLPRO	02	A	P	DRILL F/ 5060' TO 6004' 944' 72.6 FPH
13:00 - 13:30	0.50	DRLPRO	06	A	P	RIG SERVICE
13:30 - 0:00	10.50	DRLPRO	02	A	P	DRILL F/ 6004' TO 6560' 556' = 52.9 FPH

1/30/2008  
SUPERVISOR: DALE STUCKS

0:00 - 11:30	11.50	DRLPRO	02	A	P	DRILL F/ 6560' TO 7040' 480' = 41.7 FPH
11:30 - 12:00	0.50	DRLPRO	06	A	P	RIG SERVICE
12:00 - 0:00	12.00	DRLPRO	02	A	P	DRILL F/ 7040' TO 7430' 390' = 32.5 FPH

1/31/2008  
SUPERVISOR: DALE STUCKS

0:00 - 14:30	14.50	DRLPRO	02	A	P	DRILL F/ 7430' TO 7808' 378' 26.0 FPH
14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE, FUNCTION PIPE RAM
15:00 - 19:00	4.00	DRLPRO	02	A	P	DRILL F/ 7808' TO 7954' 146' 36.5 FPH
19:00 - 21:00	2.00	DRLPRO	04	B	X	WELL FLOWING, SHUT WELL IN 10 BBL GAIN, CIRC THROUGH CHOKE, RAISE MUD WT F/ 10.2 TO 10.4, 30 FT FLARE, 8000 UNITS GAS THROUGH GAS BUSTER. MUD CUT 9.4
21:00 - 0:00	3.00	DRLPRO	02	A	P	DRILL F/ 7954' TO 8054' 100' = 33.3 FPH M.W. 10.6/ 45

2/1/2008  
SUPERVISOR: KIM HAWTHORN

0:00 - 1:00	1.00	DRLPRO	02	A	P	DRILL F/ 8054' TO 8074' 20' 20 FPH ( MW 10.6 )
1:00 - 2:00	1.00	DRLPRO	07	A	Z	RIG REPAIR, CLUTCH
2:00 - 12:30	10.50	DRLPRO	02	A	P	DRILL F/ 8074' TO 8356 ( 282' = 22.6 FPH )( MW 10.8 )
12:30 - 13:00	0.50	DRLPRO	06	A	P	SERV RIG
13:00 - 0:00	11.00	DRLPRO	02	A	P	DRILL F/ 8356 T 8670 ( 314' = 28.6 FPH )( MW 11.0 )

13:00 - 0:00	11.00	DRLPRO	02	A	P	DRLG F/ 8356 T 8670 ( 314' = 28.6 FPH )( MW 11.0 )
2/2/2008						
SUPERVISOR: KIM HAWTHORN						
0:00 - 7:00	7.00	DRLPRO	02	A	P	DRLG /F 8670 T 8798 ( 128' = 18.3 FPH )( MW 11.3 )
7:00 - 12:00	5.00	DRLPRO	05	A	P	DROP TOTCO , PUMP SLUG , T.O.O.H. W/ BIT #1
12:00 - 13:00	1.00	DRLPRO	05	A	P	RET TOTCO , C/O BIT , FUNC TEST BOP ( SURVEY 2.3 DEG )
13:00 - 18:30	5.50	DRLPRO	05	A	P	T.I.H. W/ BIT #2
18:30 - 19:00	0.50	DRLPRO	03	E	P	WASH 80' TO BOTTOM
19:00 - 0:00	5.00	DRLPRO	02	A	P	DRLG F/ 8798 T 9030 ( 232' = 46.4 FPH )( MW 11.3 )
2/3/2008						
SUPERVISOR: KIM HAWTHORN						
0:00 - 8:30	8.50	DRLPRO	02	A	P	DRLG F/ 9030 T 9323 ( 293' = 34.5 FPH )( MW 11.5 )
8:30 - 9:30	1.00	DRLPRO	04	C	S	CIRC B/U DUE TO DRLG BREAK @ CORE DEPTH
9:30 - 10:30	1.00	DRLPRO	04	A	S	CIRC 30 BBL KICK OUT OF HOLE , 10% FLOW INC , 1600 UNITS ON SEPERATOR , 10 TO 12' FLAIR
10:30 - 12:30	2.00	DRLPRO	04	B	S	RAISE MUD WT FROM 11.5 TO 11.7
12:30 - 19:00	6.50	DRLPRO	05	B	P	MIX & PUMP SLUG , WINTERIZE RIG , T.O.O.H. TO P/U CORE TOOLS
19:00 - 19:30	0.50	DRLPRO	05	B	P	L/D MUD MTR & BIT
19:30 - 22:00	2.50	DRLPRO	05	B	P	P/U CORE TOOLS
22:00 - 0:00	2.00	DRLPRO	05	B	P	T.I.H. W/ CORE TOOLS
2/4/2008						
SUPERVISOR: KIM HAWTHORN						
0:00 - 4:00	4.00	DRLPRO	05	B	P	T.I.H. W/ CORE TOOLS
4:00 - 5:00	1.00	DRLPRO	03	E	P	WASH 60' TO BOTTOM & UNLOAD CORE BARREL
5:00 - 11:00	6.00	DRLPRO	08	H	P	CORE FROM 9323 T 9340 ( 17' )



Wins No.: 94968

NBU 921-21L

API No.: 4304739256

2/7/2008

SUPERVISOR: KIM HAWTHORN

0:00 - 0:30	0.50	DRLPRO	05	B	P	T.O.O.H. TO RET. CORE & L/D CORE TOOLS
0:30 - 4:00	3.50	DRLPRO	05	B	P	RET. 41' CORE , CORE BARREL SPLIT LOST 8' OF CORE ON T.O.O.H. , L/D CORE TOOLS
4:00 - 5:00	1.00	DRLPRO	05	A	P	P/U MUD MTR & BIT
5:00 - 10:30	5.50	DRLPRO	05	A	P	T.I.H. W/ BIT #3
10:30 - 11:30	1.00	DRLPRO	03	E	P	WASH & REAM CORE ZONE
11:30 - 0:00	12.50	DRLPRO	02	A	P	DRLG F/ 9442 T 9820 ( 378' = 30.3 FPH )( MW 12 VIS 46 )

2/8/2008

SUPERVISOR: KIM HAWTHORN

0:00 - 5:30	5.50	DRLPRO	02	A	P	DRLG F/ 9820 T 9955 ( 135' = 24.6 FPH )( MW 12# )
5:30 - 7:30	2.00	DRLPRO	04	A	P	CIRC B/U & COND MUD
7:30 - 8:30	1.00	DRLPRO	05	B	P	PUMP SLUG & 10 STND SHORT TRIP
8:30 - 10:00	1.50	DRLPRO	04	A	P	CIRC B/U & COND MUD
10:00 - 15:30	5.50	DRLPRO	05	B	P	PUMP SLUG & T.O.O.H. FOR LOGS
15:30 - 22:00	6.50	DRLPRO	10	C	P	R/U HALLIBURTON , RUN IN HOLE , LOG TRIPLE COMBO , R/D HALLIBURTON
22:00 - 0:00	2.00	DRLPRO	05	E	S	M/U BIT & BIT SUB , T.I.H. TO WAIT ON IMAGE TOOL FROM HALLIBURTON & CIRC & COND MUD

2/9/2008

SUPERVISOR: KIM HAWTHORN

0:00 - 2:00	2.00	DRLPRO	06	D	P	CUT DRLG LINE & BREAK CIRC
2:00 - 5:30	3.50	DRLPRO	05	E	S	T.I.H. TO WAIT ON IMAGE TOOL FROM HALLIBURTON , CIRC & COND MUD
5:30 - 7:00	1.50	DRLPRO	12	E	S	WAIT ON IMAGE TOOL FROM HALLIBURTON & CIRC & COND MUD

7:00 - 12:30	5.50	DRLPRO	05	B	P	PUMP SLUG , T.O.O.H. TO RUN IMAGE LOG
12:30 - 0:00	11.50	DRLPRO	10	C	P	R/U HALLIBURTON , RUN IN HOLE , LOG WITH IMAGE TOOL & SONIC, COMPUTER FAILURE, RERUN IMAGE LOG & SONIC FROM TD WITH STBY COMPUTER

2/10/2008

SUPERVISOR: RON SJOSTROM

0:00 - 5:30	5.50	DRLPRO	08	F	P	RUN IMAGE/SONIC LOG, R/D LOGGERS
5:30 - 11:00	5.50	DRLPRO	05	F	P	TRIP IN TO CLEANUP HOLE TO L/D TUBULARS
11:00 - 13:00	2.00	DRLPRO	04	C	P	CCH PRIOR TO LAYING DOWN DRILL STRING
13:00 - 22:30	9.50	DRLPRO	05	A	P	R/U LAY DOWN MACHINE, SM, LAY DOWN DRILL STRING, PULL WEAR BUSHING
22:30 - 0:00	1.50	DRLPRO	11	A	P	R/U CASING EQUIPMENT, SM, RUN 4-1/2, 11.6# I-80 8RD LTC PRODUCTION CASING

2/11/2008

SUPERVISOR: RON SJOSTROM

0:00 - 11:00	11.00	DRLPRO	11	B	P	RUN 239 JTS 4-1/2 I-80 8 RD LTC 11.6# PRODUCTION CASING, SHOE @ 9954
11:00 - 13:00	2.00	DRLPRO	04	E	P	CCH HOLE FOR CEMENT JOB
13:00 - 17:00	4.00	DRLPRO	15	A	P	CEMENT PRODUCTION CASING WITH 20 SX MUD FLUSH, 20 SX SCAVENGER, 530 SX 11.6# LEAD, 1290 SX 14.3 TAIL, DISPLACE W/ 154.6 BBL WATER & CLAYTREAT, BUMP PLUG, FLOATS OK-40 BBL LEAD CEMENT RETURNS TO PIT
17:00 - 22:00	5.00	DRLPRO	11	C	P	LAND CASING W/ 85000, TEST HANGER SEALS-OK, REMOVE LANDING JOINT, CLEAN MUD PITS, RELEASE RIG TO NBU 921-10H

EVENT INFORMATION:	EVENT ACTIVITY: COMPLETION	START DATE: 2/12/2008
	OBJECTIVE: CONSTRUCTION	END DATE: 2/15/2008
	OBJECTIVE 2:	DATE WELL STARTED PROD.:
	REASON:	Event End Status:

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
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Date	Time: Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
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12/31/2007

SUPERVISOR: RON SJOSTROM

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 3/3/2008  
 OBJECTIVE: DEVELOPMENT END DATE: 3/6/2008  
 OBJECTIVE 2: DATE WELL STARTED PROD.: 12/12/2007  
 REASON: Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location

MILES 2 / 2

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
3/3/2008							
SUPERVISOR: JEFF SAMUELS							
	7:00 - 7:30	0.50	COMP	48		P	HSM. TRIPPING PIPE JAS # 1&2
	7:30 - 8:30	1.00	COMP	30	A	P	ROAD RIG FROM NBU 921-15E TO NBU 921- 21L
	8:30 - 16:00	7.50	COMP	31	I		RU RIG & EQUIPMENT. ND WELL HEAD NU BOP'S. PU 3 7/8" MILL & SUB. DRIFT & TALLY 260 JTS OF 2 3/8" L-80 TBG. EOT @ 8,085'. SWI SDFN
3/4/2008							
SUPERVISOR: JEFF SAMUELS							
	7:00 - 7:30	0.50	COMP	48		P	HSM. TRIPPING PIPE & PRESSURE TESTING
	7:30 - 15:00	7.50	COMP	31	I	P	MOVE TUBING TRAILER OUT. POOH W/ 260 JTS OF 2 3/8" L-80 4.7# TUBING. ND BOP'S NU FRAC VALVES. MIRU B&C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 7,500 PSI. PREP TO PERFORATE & FRAC ON 3/5/08. SWI SDFN
3/5/2008							
SUPERVISOR: JEFF SAMUELS							

7:00 - 18:00 11.00 COMP 36 B P

7:00 a.m. HSM

MIRU CUTTERS W.L. SVC. P/U 3 3/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING & RIH. SHOOT 12 HOLES F/ 9653' - 56', P/U SHOOT 16 HOLES F/ 9642' - 46', P/U SHOOT 12 HOLES F/ 9606' - 09'. POOH. PREP TO FRAC.

ALL MESA VERDE STAGES SHOT W/ 3 3/8" EXPENDABLE PERF GUNS LOADED W/ 23 GM CHARGES, 2,3 & 4 SPF, 90,120 & 180 DEG PHASING. ALL STAGES INCLUDE NALCO DVE-005 SCALE INHIB, 3 GPT IN PAD & 1/2 RAMP, 10 GPT IN FLUSH & PRE PAD. ALL STAGES TREATED W/ 30/50 SAND AND TAILED IN W/ 5000# TLC SAND, FOR SAND CONTROLL. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S.

7:30 A.M. MIRU WEATHERFORD. PRIME PMP'S, PSI TST LINES TO 8500# (HELD). BEGIN PMP @ 10:15 A.M.

STG 1: BRK DWN PERF'S @ 4103#, EST INJ RT @ 49.7 BPM @ 5445#, ISIP 3433#, FG .80, TREAT STG 1 W/ 34,950# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1161 BBLs. ISIP 3778#, NPI 345#, FG .83

STG 2: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9448', P/U SHOOT 20 HOLES F/ 9413' - 18', P/U SHOOT 6 HOLES F/ 9398' - 9400', P/U SHOOT 16 HOLES F/ 9314' - 18'. POOH. BRK DWN PERF'S @ 3649#, EST INJ RT @ 51.6 BPM @ 5375#, ISIP 3060#, FG .77, TREAT STG 2 W/ 17785# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 770BBLs. ISIP 3129#, NPI 69#, FG .77

STG 3: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8595', P/U SHOOT 10 HOLES F/ 8560' - 65', P/U SHOOT 30 HOLES F/ 8529' - 39'. POOH, BRK DWN PERF'S @ 4912#, EST INJ RT @ 51.7 BPM @ 4980#, ISIP 3238#, FG .82, TREAT STG 3 W/ 36,800# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1060 BBLs. ISIP 3006#, NPI -232#, FG .79

STG 4: P/U 3 3/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8446', P/U SHOOT 16 HOLES F/ 8412' - 16', P/U SHOOT 9 HOLES F/ 8351' - 54', P/U SHOOT 9 HOLES F/ 8328' - 31', P/U SHOOT 6 HOLES F/ 8275' - 78'. POOH. BRK DWN PERF'S @ 3396#, EST INJ RT @ 50 BPM @ 4660#, ISIP 2611#, FG .75, TREAT STG 4 W/ 33,000# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 984 BBLs. ISIP 2663#, NPI 52#, FG .76

STG 5: P/U 3 3/8" PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 7974', P/U SHOOT 7938' - 44', P/U SHOOT 24 HOLES F/ 7912' - 20', POOH. BRK DWN PERF'S @ 2670#, EST INJ RT @ 51 BPM @ 4510#, ISIP 1928#, FG .68, TREAT STG 5 W/ 82,855# SAND, TAILED IN W/ 5000# TLC SAND W/ SLK WTR. TOT CL FL 1945 BBLs. ISIP 2743#, NPI 815#, FG .79

P/U 4 1/2" CBP & RIH. SET KILL PLUG @ 7862'. POOH. RDMO CUTTERS, RDMO WEATHERFORD, WINTERIZE W.H. SW. SDFN

3/6/2008

SUPERVISOR: JEFF SAMUELS

7:00 - 18:00	11.00	COMP	44	C	P	<p>7:00 A.M. HSM                  ND FRAC VLV'S, NU BOPE. P/U 3 7/8" SMITH BIT, POBS &amp; RIH                  ON TBG. TAG KILL PLUG @ 7862'. R/U DRL EQUIP. R/U PMP &amp;                  LINES. BRK CONV CIRC W/ 2% KCL &amp; BEG TO DRL.</p> <p>DRL OUT KILL PLUG @ 7862', (900# PSI INC). CONT TO RIH. TAG                  FILL @ 7944', (30' FILL). C/O TO 2ND CBP @ 7974'.</p> <p>DRL UP 2ND CBP, (500# PSI INC) CONT TO RIH. TAG FILL @                  8416', (30' FILL). C/O TO 3RD CBP @ 8448'.</p> <p>DRL UP 3RD CBP, (300# PSI NC). CONT TO RIH. TAG FILL @                  8565', (30' FILL). C/O TO 4TH CBP @ 8595'.</p> <p>DRL UP 4TH CBP, (300# PSI INC). CONT TO RIH. TAG FILL @                  9408', (40' FILL). C/O TO 5TH CBP @ 9448'.</p> <p>DRL UP 5TH CBP (400# PSI INC). CONT TO RIH. TAG FILL @                  9790', (120' FILL). C/O TO PBTD @ 9910', CIRC WELL CLEAN.                  R/D DRL EQUIP. POOH L/D 40 JTS ON TRAILER. LUBRICATE                  TBG HANGER INTO WELL. LAND TBG W/ EOT @ 8924', NDBOPE.                  NUWH. DROP BALL &amp; PMP OFF THE BIT SUB @ 2200#. R/U                  FLOW BACK EQUIP. RIG DWN. TURN OVER TO FLOW BACK                  CREW @ 5:00 P.M.</p> <p>SICP 2200#                  FTP 100#                  48/64 CHOKE</p> <p>TBG ON LOC      327 JTS                  TBG IN WELL      287 JTS                  TBG LEFT ON TRAILER 40 JTS</p>
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3/7/2008  
 SUPERVISOR: JEFF SAMUELS

7:00 -	COMP	33	A	P	FLOWBACK: TP 2625#, CP 1700#, CK 20/64", 37 BWPH BBLS RECOVERED TODAY: 2659 BBLS LEFT TO RECOVER: 3261
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3/8/2008  
 SUPERVISOR: JEFF SAMUELS

7:00 -	COMP	33	A	P	FLOWBACK: TP 2575#, CP 1650#, CK 20/64", 27 BWPH BBLS RECOVERED TODAY: 710 BBLS LEFT TO RECOVER: 2551
10:00 -	PROD	50		P	ON SALES @ 10:00 AM 3/8/2008 FTP 1600#, CP 2525#, CK 20/64", 1.9 MMCFD, 648 BWPD

3/9/2008  
 SUPERVISOR: JEFF SAMUELS

7:00 -	COMP	33	A	P	FLOWBACK: TP 2200#, CP 1400#, CK 20/64", 18 BWPH BBLS RECOVERED TODAY: 514 BBLS LEFT TO RECOVER: 2037
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3/10/2008  
 SUPERVISOR: JEFF SAMUELS

7:00 -	COMP	33	A	P	FLOWBACK: TP 1975#, CP 1250#, CK 20/64", 10 BWPH BBLS RECOVERED TODAY: 290 BBLS LEFT TO RECOVER: 1747
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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
UTU-0576

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

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

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

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

3. Address 1368 SOUTH 1200 EAST, VERNAL, UTAH 84078  
3a. Phone No. (include area code) (435) 781-7024

8. Lease Name and Well No.  
NBU 921-21L

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*  
At surface NW/SW 1785'FSL, 797'FWL

9. API Well No.  
4304739256

At top prod. interval reported below

10. Field and Pool, or Exploratory  
NATURAL BUTTES

At total depth

11. Sec., T., R., M., or Block and Survey or Area SEC. 21, T9S, R21E

14. Date Spudded 12/12/07  
15. Date T.D. Reached 02/08/08  
16. Date Completed  D & A  Ready to Prod. 03/08/08

12. County or Parish UINTAH  
13. State UTAH

17. Elevations (DF, RKB, RT, GL)\*  
4849'GL

18. Total Depth: MD 9955' TVD  
19. Plug Back T.D.: MD 9910' TVD  
20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
22. Was well cored?  No  Yes (Submit copy)  
Was DST run?  No  Yes (Submit copy)  
Directional Survey?  No  Yes (Submit copy)

~~GBL-CGL-GR, SWA, SD, DSN, ACTR~~

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"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2760'		625 SX			
7 7/8"	4 1/2"	11.6#		9955'		1820 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)
2 3/8"	8924'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7912'	9656'	7912'-9656'	0.36	204	OPEN
B) WSMND						
C)						
D)						

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

Depth Interval	Amount and type of Material
7912'-9656'	PMP 5920 BBLs SLICK H2O & 205,390# 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
03/08/08	03/10/08	24	→	0	1,830	240			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	1250#	1975#	→	0	1830	240			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	Oil Gravity Corr. API	Well Status	
			→						

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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

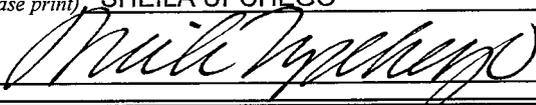
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
WASATCH MESAVERDE	4950' 7908'	7908'			

32. Additional remarks (include plugging procedure):

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
- 5. Core Analysis
- 7. Other:

36. 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 Title SENIOR LAND ADMIN SPECIALIST  
 Signature  Date 04/01/08

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-0576

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

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

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

8. Well Name and No.  
NBU 921-21L

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

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

9. API Well No.  
4304739256

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NW/SW SEC. 21, T9S, R21E 1785'FSL, 797'FWL

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 FORMATION. THE OPERATOR WILL COMMINGLE THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION.

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 2.5.2009

Initials: KS

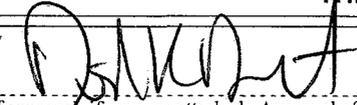
14. I hereby certify that the foregoing is true and correct.  
Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature 

Date 01/23/2009

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

Approved by 

Title Pet. Eng. Date 2/3/09

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 DOGM

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.

(Instructions on page 2) \* Cause 173-14

**JAN 26 2009**

**Name:** NBU 921-21L  
**Location:** NWSW Sec. 21 - T9S - R21E  
**Uintah County, UT**  
**Date:** 1/13/09

**ELEVATIONS:** 4,848' GL 4,862' KB

**TOTAL DEPTH:** 9,955' **PBTD:** 9,910'  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2,739'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 9,955'  
 Marker Joint 4,874' - 4,885'

**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:**

1598' Green River  
 1896' Bird's Nest  
 2247' Mahogany  
 4940' Wasatch  
 7869' Mesaverde  
 Estimated T.O.C. from CBL @ 3400'

**GENERAL:**

- A minimum of **13** 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 Halliburtons Induction-Density-Neutron log dated 2/8/08
- **5** fracturing stages required for coverage.
- Procedure calls for 6 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 20/40mesh **resin coated sand** last 5,000# of all frac stages
- Tubing Currently Landed @~8,910'
- Originally completed on 3/5/08

**Existing Perforations:**

**PERFORATIONS**

<u>Formation (Bench)</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>	<u>Reason</u>	<u>Comments</u>
MESA VERDE	7912	7920	3	24	03/04/2008	PRODUCTION	STG 5
MESA VERDE	7938	7944	3	18	03/04/2008	PRODUCTION	STG 5
MESA VERDE	8275	8278	2	6	03/04/2008	PRODUCTION	STG 4
MESA VERDE	8328	8331	3	9	03/04/2008	PRODUCTION	STG 4
MESA VERDE	8351	8354	3	9	03/04/2008	PRODUCTION	STG 4
MESA VERDE	8412	8416	4	16	03/04/2008	PRODUCTION	STG 4
MESA VERDE	8529	8539	3	30	03/04/2008	PRODUCTION	STG 3
MESA VERDE	8560	8565	2	10	03/04/2008	PRODUCTION	STG 3
MESA VERDE	9314	9318	4	16	03/04/2008	PRODUCTION	STG 2
MESA VERDE	9398	9400	3	6	03/04/2008	PRODUCTION	STG 2
MESA VERDE	9413	9418	4	20	03/04/2008	PRODUCTION	STG 2
MESA VERDE	9606	9609	4	12	03/04/2008	PRODUCTION	STG 1
MESA VERDE	9642	9646	4	16	03/04/2008	PRODUCTION	STG 1
MESA VERDE	9653	9656	4	12	03/04/2008	PRODUCTION	STG 1

**PROCEDURE:**

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8,910'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 7368' (50' below proposed CBP). Otherwise P/U a mill and C/O to 7368' (50' below proposed CBP).
4. Set 8000 psi CBP at ~7318'. Pressure test BOP and casing to 6000 psi.

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

Zone	From	To	spf	# of shots
WASATCH	7106	7111	4	20
WASATCH	7283	7288	4	20

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gal of 15% HCl and let soak. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7,056' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~6,932'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	6892	6902	4	40

8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6,842' trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~6,486'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	6242	6246	4	16
WASATCH	6415	6418	4	12
WASATCH	6453	6456	4	12
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6,192' trickle 250gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~6,087'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	5885	5887	4	8
WASATCH	5891	5893	4	8
WASATCH	5939	5941	4	8
WASATCH	6053	6057	4	16
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5,835' trickle 250gal 15%HCL w/ scale inhibitor in flush.
13. Set 8000 psi CBP at ~5,272'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	5232	5242	4	40
14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5,182' flush only with recycled water.
15. Set 8000 psi CBP at ~5,182'.
16. TIH with 3 7/8" mill, pump off bit sub, SN and tubing.
17. Mill ALL plugs and clean out to PBTD of 9910'. Land tubing at ±9484' and pump off bit and bit sub. This well WILL be commingled at this time.
18. Clean out well with foam and/or swabbing unit until steady flow has been established from recomplete.
19. RDMO.

**For design questions, please call  
 Conner Staley, Denver, CO  
 (720)929-6419 Office**

**For field implementation questions, please call**

**Robert Miller, Vernal, UT**  
**4350781 7041 (Office)**

NOTES:

Fracturing Schedules  
 Name: NBU921-21L  
 Slickwater Frac

4429.5348  
 105.465114

Stage	Zone	Pay		Feet of Pay	Perfs		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.			
		Top, ft	Bot, ft		Top, ft	Bot, ft																				
1	WASATCH	7106	7111	5	7106	7111	4	20	Varied	Pump-in test			Slickwater		0	0	0									
	WASATCH	7284	7289	5	7283	7288	4	20	0	ISP and 5 min ISOP																
	WASATCH			0					50	Slickwater Pad			Slickwater	3,375	3,375	80	80	15.0%	#0/0/0	0	0		10			
	WASATCH			0					50	Slickwater Ramp	0.25	1.25	Slickwater	11,250	14,625	268	348	50.0%	39.7%	8,438	8,438		17			
	WASATCH			0					50	Slickwater Ramp	1.25	2	Slickwater	7,875	22,500	188	536	35.0%	60.3%	12,797	21,234		0			
	WASATCH			0					50	Flush (4-1/2")				4,606	27,106	110	645		#0/0/0		21,234		45			
	WASATCH			0						ISP and 5 min ISOP					27,106								72			
		Ft of Net Pay		10	# of Perfs/Stage		40		13.4	<< Above pump time (min)									Flush depth	7056	gal/ft	2,250	2,123	lbs sand/ft	124	
2	WASATCH	6881	6905	14	6882	6902	4	40	Varied	Pump-in test			Slickwater		0	0	0									
	WASATCH			0					0	ISP and 5 min ISOP																
	WASATCH			0					50	Slickwater Pad			Slickwater	4,556	4,556	108	108	15.0%	#0/0/0	0	0		14			
	WASATCH			0					50	Slickwater Ramp	0.25	1.25	Slickwater	15,188	19,744	362	470	50.0%	39.7%	11,391	11,391		23			
	WASATCH			0					50	Slickwater Ramp	1.25	2	Slickwater	10,631	30,375	253	723	35.0%	60.3%	17,276	28,666		0			
	WASATCH			0					50	Flush (4-1/2")				4,466	34,841	106	830		#0/0/0		28,666		42			
	WASATCH			0						ISP and 5 min ISOP					34,841									79		
		Ft of Net Pay		14	# of Perfs/Stage		40		17.2	<< Above pump time (min)										Flush depth	6842	gal/ft	2,250	2,123	lbs sand/ft	356
3	WASATCH	6237	6251	14	6242	6246	4	16	Varied	Pump-in test			Slickwater		0	0	0									
	WASATCH	6408	6411	3	6415	6418	4	12	0	ISP and 5 min ISOP																
	WASATCH	6413	6420	8	6453	6456	4	12	50	Slickwater Pad			Slickwater	11,625	11,625	277	277	15.0%	#0/0/0	0	0		35			
	WASATCH	6452	6460	8					50	Slickwater Ramp	0.25	1.25	Slickwater	38,750	50,375	923	1,199	50.0%	39.7%	29,063	29,063		58			
	WASATCH			0					50	Slickwater Ramp	1.25	2	Slickwater	27,125	77,500	646	1,845	35.0%	60.3%	44,078	73,141		0			
	WASATCH			0					50	Flush (4-1/2")				4,042	81,542	96	1,941		#0/0/0		73,141		40			
	WASATCH			0						ISP and 5 min ISOP					81,542									133		
		Ft of Net Pay		31	# of Perfs/Stage		40		40.5	<< Above pump time (min)										Flush depth	6192	gal/ft	2,500	2,359	lbs sand/ft	165
4	WASATCH	5885	5887	3	5885	5887	4	8	Varied	Pump-in test			Slickwater		0	0	0									
	WASATCH	5880	5886	6	5891	5893	4	8	0	ISP and 5 min ISOP																
	WASATCH	5940	5941	2	5939	5941	4	8	50	Slickwater Pad			Slickwater	5,738	5,738	137	137	15.0%	#0/0/0	0	0		17			
	WASATCH	6050	6057	8	6053	6057	4	16	50	Slickwater Ramp	0.25	1.25	Slickwater	19,125	24,863	455	592	50.0%	39.7%	14,344	14,344		29			
	WASATCH			0					50	Slickwater Ramp	1.25	2	Slickwater	13,388	38,250	319	911	35.0%	60.3%	21,755	36,098		0			
	WASATCH			0					50	Flush (4-1/2")				3,809	42,059	91	1,001		#0/0/0		36,098		34			
	WASATCH			0						ISP and 5 min ISOP					42,059									80		
		Ft of Net Pay		17	# of Perfs/Stage		40		20.8	<< Above pump time (min)										Flush depth	5835	gal/ft	2,250	2,123	lbs sand/ft	563
5	WASATCH	5234	5240	7	5232	5242	4	40	Varied	Pump-in test			Slickwater		0	0	0									
	WASATCH			0					0	ISP and 5 min ISOP																
	WASATCH			0					50	Slickwater Pad			Slickwater	3,266	3,266	78	78	15.0%	#0/0/0	0	0		10			
	WASATCH			0					50	Slickwater Ramp	0.25	1.25	Slickwater	10,888	14,154	259	337	50.0%	39.7%	8,166	8,166		16			
	WASATCH			0					50	Slickwater Ramp	1.25	2	Slickwater	7,621	21,775	181	518	35.0%	60.3%	12,385	20,550		0			
	WASATCH			0					50	Flush (4-1/2")				3,383	25,158	81	599		#0/0/0		20,550		0			
	WASATCH			0						ISP and 5 min ISOP					25,158									26		
		Ft of Net Pay		7	# of Perfs/Stage		40		12.4	<< Above pump time (min)										Flush depth	5182	gal/ft	3,350	3,162	lbs sand/ft	0
		Ft of Net Pay		78	# of Perfs/Stage		200		17	<< Above pump time (min)										Flush depth	5,017	gal/ft	6,017	6,017	lbs sand/ft	LOOK
	Totals			78			200		17											Flush depth	5,017	gal/ft	6,017	6,017	lbs sand/ft	LOOK
														Total Fluid	210,707	gals		5,017	bbls	Total Sand	179,690				Total Scale Inhib. =	389

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	7106	7111	4	20	7106	to	7111
	WASATCH	7283	7288	4	20	7283.5	to	7288.5
	# of Perfs/stage				40	CBP DEPTH	6,932	
2	WASATCH	6892	6902	4	40	6891	to	6904.5
	# of Perfs/stage				40	CBP DEPTH	6,486	
3	WASATCH	6242	6246	4	16	6237	to	6250.5
	WASATCH	6415	6418	4	12	6408	to	6410.5
	WASATCH	6453	6456	4	12	6412.5	to	6420
	WASATCH					6452	to	6459.5
	# of Perfs/stage				40	CBP DEPTH	6,087	
4	WASATCH	5885	5887	4	8	5884.5	to	5887
	WASATCH	5891	5893	4	8	5890	to	5895.5
	WASATCH	5939	5941	4	8	5939.5	to	5941
	WASATCH	6053	6057	4	16	6049.5	to	6057
	# of Perfs/stage				40	CBP DEPTH	5,272	
5	WASATCH	5232	5242	4	40	5233.5	to	5240
	# of Perfs/stage				40	CBP DEPTH	5,182	
	Totals				200			

Fracturing Schedules  
 Name: NBU 921-21L  
 Slickwater Frac

4429.5348  
 105.465114

Stage	Zone	Pay		Feet of Pay	Perfs		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.	
		Top, ft.	Bot. ft.		Top, ft.	Bot. ft.																		
1	WASATCH	7106	7111	5	7106	7111	4	20	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	7284	7289	5	7283	7288	4	20	0	ISIP and 5 min ISIP														
	WASATCH			0					50	Slickwater Pad			Slickwater	3,375	3,375	80	80	15.0%	#DIV/0!	0	0	10		
	WASATCH			0					50	Slickwater Ramp	0.25	1.25	Slickwater	11,250	14,625	268	348	50.0%	39.7%	8,438	8,438	17		
	WASATCH			0					50	Slickwater Ramp	1.25		2	Slickwater	7,875	22,500	188	536	35.0%	60.3%	12,797	21,234	0	
	WASATCH			0					50	Flush (4-1/2")				4,606	27,106	110	645		#DIV/0!		21,234	45		
	WASATCH			0						ISDP and 5 min ISDP					27,106						21,234	72		
		Ft of Net Pay		10	# of Perfs/stage			40												gal/ft	2,250	2,123	lbs sand/ft	
									13.4	<< Above pump time (min)										Flush depth	7056	CBP depth	6,932	124
2	WASATCH	6891	6905	14	6892	6902	4	40	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH			0					0	ISIP and 5 min ISIP														
	WASATCH			0					50	Slickwater Pad			Slickwater	4,556	4,556	108	108	15.0%	#DIV/0!	0	0	14		
	WASATCH			0					50	Slickwater Ramp	0.25	1.25	Slickwater	15,188	19,744	362	470	50.0%	39.7%	11,391	11,391	23		
	WASATCH			0					50	Slickwater Ramp	1.25		2	Slickwater	10,631	30,375	253	723	35.0%	60.3%	17,276	28,666	0	
	WASATCH			0					50	Flush (4-1/2")				4,466	34,841	106	830		#DIV/0!		28,666	42		
	WASATCH			0						ISDP and 5 min ISDP					34,841						28,666	79		
		Ft of Net Pay		14	# of Perfs/stage			40												gal/ft	2,250	2,123	lbs sand/ft	
										<< Above pump time (min)										Flush depth	6842	CBP depth	6,486	356
3	WASATCH	6237	6251	14	6242	6246	4	16	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	6408	6411	3	6415	6418	4	12	0	ISIP and 5 min ISIP														
	WASATCH	6413	6420	8	6453	6456	4	12	50	Slickwater Pad			Slickwater	11,625	11,625	277	277	15.0%	#DIV/0!	0	0	35		
	WASATCH	6452	6460	8					50	Slickwater Ramp	0.25	1.25	Slickwater	38,750	50,375	923	1,199	50.0%	39.7%	29,063	29,063	58		
	WASATCH			0					50	Slickwater Ramp	1.25		2	Slickwater	27,125	77,500	646	1,845	35.0%	60.3%	44,078	73,141	0	
	WASATCH			0					50	Flush (4-1/2")				4,042	81,542	96	1,941		#DIV/0!		73,141	40		
	WASATCH			0						ISDP and 5 min ISDP					81,542						73,141	133		
		Ft of Net Pay		31	# of Perfs/stage			40												gal/ft	2,500	2,359	lbs sand/ft	
										<< Above pump time (min)										Flush depth	6192	CBP depth	6,087	105
4	WASATCH	5885	5887	3	5885	5887	4	8	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH	5890	5896	6	5891	5893	4	8	0	ISIP and 5 min ISIP														
	WASATCH	5940	5941	2	5939	5941	4	8	50	Slickwater Pad			Slickwater	5,738	5,738	137	137	15.0%	#DIV/0!	0	0	17		
	WASATCH	6050	6057	8	6053	6057	4	16	50	Slickwater Ramp	0.25	1.25	Slickwater	19,125	24,863	455	592	50.0%	39.7%	14,344	14,344	29		
	WASATCH			0					50	Slickwater Ramp	1.25		2	Slickwater	13,388	38,250	319	911	35.0%	60.3%	21,755	36,098	0	
	WASATCH			0					50	Flush (4-1/2")				3,809	42,059	91	1,001		#DIV/0!		36,098	34		
	WASATCH			0						ISDP and 5 min ISDP					42,059						36,098	80		
		Ft of Net Pay		17	# of Perfs/stage			40												gal/ft	2,250	2,123	lbs sand/ft	
										<< Above pump time (min)										Flush depth	5835	CBP depth	5,272	563
5	WASATCH	5234	5240	7	5232	5242	4	40	Varied	Pump-in test			Slickwater		0	0	0							
	WASATCH			0					0	ISIP and 5 min ISIP														
	WASATCH			0					50	Slickwater Pad			Slickwater	3,266	3,266	78	78	15.0%	#DIV/0!	0	0	10		
	WASATCH			0					50	Slickwater Ramp	0.25	1.25	Slickwater	10,888	14,154	259	337	50.0%	39.7%	8,166	8,166	16		
	WASATCH			0					50	Slickwater Ramp	1.25		2	Slickwater	7,621	21,775	181	518	35.0%	60.3%	12,385	20,550	0	
	WASATCH			0					50	Flush (4-1/2")				3,383	25,158	81	599		#DIV/0!		20,550	0		
	WASATCH			0						ISDP and 5 min ISDP					25,158						20,550	26		
		Ft of Net Pay		7	# of Perfs/stage			40												gal/ft	3,350	3,162	lbs sand/ft	
										<< Above pump time (min)										Flush depth	5182	CBP depth	5,182	0
<b>Totals</b>				78				200	12.4					<b>Total Fluid</b>	<b>210,707</b>	<b>gals</b>	<b>5,017</b>	<b>bbls</b>		<b>Total Sand</b>	<b>179,690</b>		<b>LOOK</b>	
								1.7												<b>11.1</b>	<b>tanks</b>		<b>Total Scale Inhib. = 389</b>	

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-0576

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

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

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

2. Name of Operator  
KERR MCGEE OIL & GAS ONSHORE LP

8. Lease Name and Well No.  
NBU 921-21L

3. Address  
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

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

9. AFI Well No.  
4304739256

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

At surface NW/SW 1785'FSL, 797'FWL

At top prod. interval reported below

At total depth

10. Field and Pool or Exploratory  
NATURAL BUTTES

11. Sec., T., R., M., on Block and  
Survey or Area  
SEC. 21, T9S, R21E

12. County or Parish  
UINTAH, COUNTY

13. State  
UT

14. Date Spudded  
12/12/2007

15. Date T.D. Reached  
02/08/2008

16. Date Completed 03/09/2009  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
4849'GL

18. Total Depth: MD 9955'  
TVD

19. Plug Back T.D.: MD 9708'  
TVD

20. Depth Bridge Plug Set: MD  
TVD

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

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#		2760'		625 SX			
7 7/8"	4 1/2 I-80	11.6#		9955'		1820 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"	9493'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WASATCH	5232'	7288'	5232'-7288'	0.36	200	OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5232'-7288'	PMP 5368 BBLs SLICK H2O & 196,247# 30/50 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
3/9/09	3/11/09	24	→	0	1593	120			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	
18/64	754#	1099#	→	0	1593	120			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	
			→						

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

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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

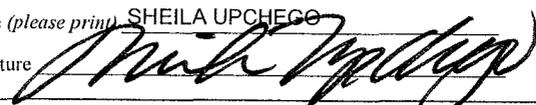
Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1598'				
BIRDS NEST	1896'				
MAHOGANY	2247'				
WASATCH	4950'	7903'			
MESAVERDE	7908'	9945'			

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.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

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

Name (please print) SHEILA UPCHEGO Title REGULATORY ANALYST  
 Signature  Date 04/15/2009

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-0576

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No. UNIT #891008900A
2. Name of Operator KERR MCGEE OIL & GAS ONSHORE LP		8. Well Name and No. NBU 921-21L
3a. Address 1368 SOUTH 1200 EAST VERNAL, UTAH 84078	3b. Phone No. (include area code) 435.781.7024	9. API Well No. 4304739256
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW/SW SEC. 21, T9S, R21E 1785'FSL, 797'FWL		10. Field and Pool or Exploratory Area NATURAL BUTTES
		11. Country or Parish, State UINTAH COUNTY, UTAH

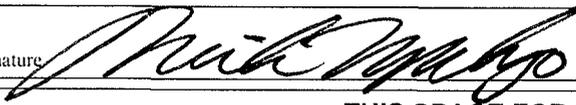
**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input 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 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 HAS RECOMPLETED THE SUBJECT WELL LOCATION. THE OPERATOR HAS COMPLETED THE WASATCH FORMATION. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH FORMATION, ALONG WITH THE EXISTING MESAVERDE FORMATION. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 03/09/2009 AT 11:00 AM.

PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) SHEILA UPCHEGO		Title REGULATORY ANALYST
Signature 		Date 03/10/2009

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

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

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

(Instructions on page 2)

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DIV. OF OIL, GAS & MINING

**ROCKIES**  
**Operation Summary Report**

Well: NBU 921-21L      Spud Conductor: 12/12/2007      Spud Date: 12/17/2007  
 Project: UTAH      Site: UINTAH      Rig Name No: MILES 2/2  
 Event: RECOMPLETION      Start Date: 2/23/2009      End Date:  
 Active Datum: RKB @4,862.00ft (above Mean Sea Level)      UWI: 0/9/S/21/E/21/0/NWSW/6/PM/S/1,785.00/W/0/797.00/O/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/23/2009	7:00 - 17:00	10.00	COMP	31	I	P		7:00 A.M. HSM ROAD RIG & EQUIP F/ NBU 921-26IT TO LOC. MIRU. NDWH. NUBOPE. UNLAND TBG @ 8910'. POOH W/ TBG L/D BHA. NDBOPE. NU FRAC VLV'S. MIRU CUTTERS. P/U 4 1/2" CBP & RIH. SET CBP @ 7315'. FILL CSG. PSI TST CSG & FRAC VLV'S TO 6200# (HELD). P/U 3 3/8" EXP PERF GUNS LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING. & RIH. SHOOT STG 1 PERF'S W/ 20 HOLES F/ 7283' - 88', P/U SHOOT 20 HOLES F/ 7106' - 11'. POOH. PREP TO FRAC IN A.M.
3/3/2009	6:00 - 6:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	6:30 - 7:00	0.50	COMP	36	B	P		MIRU WEATHERFORD & CUTTERS. PRIME UP PUMPS & LINES. PRESSURE TEST SURFACE EQUIPMENT TO 8,000 PSI. STG 1 ) WHP 500 PSI, BRK @ 3,058 PSI @ 4.6 BPM, ISIP 2,361 PSI, FG .77 PUMP 100 BBLS @ 51.7 BPM @ 4,100 PSI, = 100% HOLES OPEN. MP 4,288 PSI, MR 51.8 BPM, AP 3,997 PSI, AR 51.5 BPM, ISIP 2,416 PSI, NPI 55 PSI. FG .78 PUMP 800 BBLS OF SW & 16,209 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND TOTAL PROP PUMPED 21,209 LBS
	7:00 - 8:30	1.50	COMP	36	B	P		STG 2 ) PU 4 1/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET 8K CBP @ 6,932' & PERF 6,892' - 6,902' 4SPF, 40 HOLES. WHP 0 PSI, BRK @ 2,789 PSI @ 3.2 BPM, ISIP 1,600 PSI, FG .68 PUMP 100 BBLS @ 51.9 BPM @ 3,750 PSI, = 100% HOLES OPEN. MP 4,424 PSI, MR 52.3 BPM, AP 3,621 PSI, AR 51.7 BPM, ISIP 1,974 PSI, NPI 374 PSI. FG .73 PUMP 761 BBLS OF SW & 16,317 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND TOTAL PROP PUMPED 21,317 LBS.
	8:30 - 10:20	1.83	COMP	36	B	P		STG 3 ) PU 4 1/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET 8K CBP @ 6,486' & PERF 6,453' - 56' 4SPF, 6,415' - 18' 4SPF, 6,242' - 46' 4SPF, 40 HOLES. WHP 0 PSI, BRK @ 1,390 PSI @ 5.1 BPM, ISIP 1,113 PSI, FG .62 PUMP 100 BBLS @ 51.9 BPM @ 3,200 PSI, = 86% HOLES OPEN. MP 3,580 PSI, MR 52.2 BPM, AP 2,796 PSI, AR 51.9 BPM, ISIP 1,566 PSI, NPI 453 PSI. FG .69 PUMP 2,056 BBLS OF SW & 79,416 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND TOTAL PROP PUMPED 84,416 LBS.

ROCKIES

Operation Summary Report

Well: NBU 921-21L	Spud Conductor: 12/12/2007	Spud Date: 12/17/2007
Project: UTAH	Site: UINTAH	Rig Name No: MILES 2/2
Event: RECOMPLETION	Start Date: 2/23/2009	End Date:
Active Datum: RKB @4,862.00ft (above Mean Sea Level)	UWI: 0/9/S/21/E/21/0/NWSW/6/PM/S/1,785.00/W/0/797.00/O/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	10:20 - 11:35	1.25	COMP	36	B	P		STG 4 ) PU 4 1/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET 8K CBP @ 6,087' & PERF 6,053' - 57' 4SPF, 5,939' - 41' 4SPF, 5,891' - 93' 4SPF, 5,885' - 87' 4SPF, 40 HOLES. WHP 0 PSI, BRK @ 1,474 PSI @ 3.2 BPM, ISIP 1,093 PSI, FG .63 PUMP 100 BBLS @ 51.8 BPM @ 2,870 PSI, = 100% HOLES OPEN. MP 3,817 PSI, MR 51.9 BPM, AP 2,870 PSI, AR 51.6 BPM, ISIP 1,496 PSI, NPI 403 PSI, FG .69. PUMP 1,048 BBLS OF SW & 35,197 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND TOTAL PROP PUMPED 40,197 LBS.
	11:35 - 12:45	1.17	COMP	36	B	P		STG 5 ) PU 4 1/2" CBP & 3 1/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET 8K CBP @ 5,272' & PERF 5,232' - 42' 4SPF, 40 HOLES. WHP 0 PSI, BRK @ 1,586 PSI @ 3.1 BPM, ISIP 1,300 PSI, FG .69 PUMP 100 BBLS @ 51.6 BPM @ 3,600 PSI, = 77% HOLES OPEN. MP 4,248 PSI, MR 52.1 BPM, AP 3,232 PSI, AR 51.7 BPM, ISIP 2,056 PSI, NPI 756 PSI, FG .84. PUMP 703 BBLS OF SW & 24,108 LBS OF 30/50 SAND & 5,000 LBS 20/40 RESIN SAND TOTAL PROP PUMPED 29,108 LBS.
	12:45 - 17:00	4.25	COMP	34	I	P		KILL PLG ) PU 4 1/2" 8K BAKER CBP. RIH SET CBP @ 5,182'. RDMO WEATHERFORD & CUTTERS. ND FRAC VALVES NU BOP. PU 3 7/8" BIT POBS & SN & 166 JTS OF 2 3/8" L-80 TBG. EOT @ 5,175'. SWI SDFN. JSA
3/4/2009	7:00 - 7:30	0.50		48				NO PRESS ON WELL 166 JNTS OF 2-3/8 J-55 TUB IN WELL TAG FILL @ 5175' PU PWR SWVL EST CIRC W/ 2% KCL C/O 7' SAND DRILL 1ST CBP TO 5182' 300 PSI INCREASE TIH TO 5242' 30' SAND DRILL 2 ND CBP TO 5272' NO PRESS INCREASE TIH TO 6047' 40' SAND ON DRILL 3RD CBP TO 6087' 300 PSI INCREASE TIH TO 6456' 30' SAND DRILL 4TH CBP TO 6486' 100 PSI INCREASE HIGH WINDS LD 10 JNTS EOP@ 6223' SWIFN
	7:30 -			30				JSA
3/5/2009	7:00 - 7:30	0.50		48				SIWP=500 PSI BLOW PRESS TO FBT TIH TAG SAND @ 6902' 30' SAND DRILL 5TH CBP TO 6932' 100 PSI INCREASE TIH TO 7288' TAG 30' SAND ON CBP DRILL TO 7318' NO PRESS INCREASE LOST CIRC TIH TAG @ 9218' POOH TO 8688' C/O W/ FOAMER IN AM
	7:30 -			30				JSA NO H2S DETECTED
3/6/2009	7:00 - 7:30	0.50		48				SIWP=1700 PSI OPEN WELL TO FBT NU FOAM AIR TAG FILL @ 9318' FWP CAS =450 PSI EST CIRC C/O TO 9708' CIRC CLEAN POOH TO STRING FLOAT PMP 20 BBLS 2% KCL TO CONTROL WELL REMOVE SF RIH LAND TUB ON HNGR W/ 305 JNTS OF 2-3/8 L-80 TUB EOP@ 9493.45' RD FLOOR & TUB EQUIP ND BOPS NU WELLHEAD DROP BALL PUMP 50 BBLS 2% KCL PUMP OFF @ 500 PSI TURN WELL OVER TO FBC
	7:30 - 17:30	10.00		30				

ROCKIES

Operation Summary Report

Well: NBU 921-21L		Spud Conductor: 12/12/2007		Spud Date: 12/17/2007	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 2/2	
Event: RECOMPLETION		Start Date: 2/23/2009		End Date:	
Active Datum: RKB @4,862.00ft (above Mean Sea Level)		UWI: 0/9/S/21/E/21/0/NWSW/6/PM/S/1,785.00/W/0/797.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/7/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1450#, TP 0#, 48/64" CK, 0 BWPH, - SAND, - GAS TTL BBLS RECOVERED: 1100 BBLS LEFT TO RECOVER: 4268
3/8/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1450#, TP 1000#, 20/64" CK, 7 BWPH, 2 BBLS SAND, HVY GAS TTL BBLS RECOVERED: 1249 BBLS LEFT TO RECOVER: 4119
3/9/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1300#, TP 950#, 20/64" CK, 5 BWPH, TSP SAND, HEAVY GAS TTL BBLS RECOVERED: 1379 BBLS LEFT TO RECOVER: 3989