

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:  DRILL  REENTER

b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

5. Lease Serial No.  
**UTU-0575**

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

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

8. Lease Name and Well No.  
**NBU 921-17K**

2. Name of Operator  
**KERR MCGEE OIL AND GAS ONSHORE LP**

9. API Well No.  
**4304739363**

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

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

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

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **NE/SW 2147'FSL, 1635'FWL** *621283x 40.834628*  
At proposed prod. Zone *4432358y -109.578495*

11. Sec., T., R., M., or Blk, and Survey or Area  
**SEC. 17, T9S, R21E**

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

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

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **1635'**

16. No. of Acres in lease  
**1600.00**

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

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

19. Proposed Depth  
**10,380'**

20. BLM/BIA Bond No. on file  
**RLB0005239**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**4830'GL**

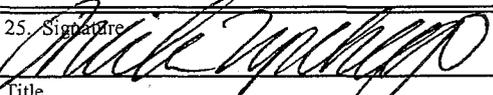
22. Approximate date work will start\*  
**UPON APPROVAL**

23. Estimated duration  
**TO BE DETERMINED**

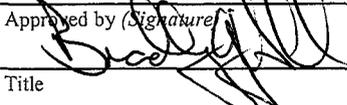
24. Attachments

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

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

25. Signature  Name (Printed/Typed) **SHEILA UPCHEGO** Date **6/4/2007**

Title **SENIOR LAND ADMIN SPECIALIST**

Approved by (Signature)  Name (Printed/Typed) **BRADLEY G. HILL** Date **06-19-07**

Title **ENVIRONMENTAL MANAGER**

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

Conditions of approval, if any, are attached.

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

\*(Instructions on reverse)

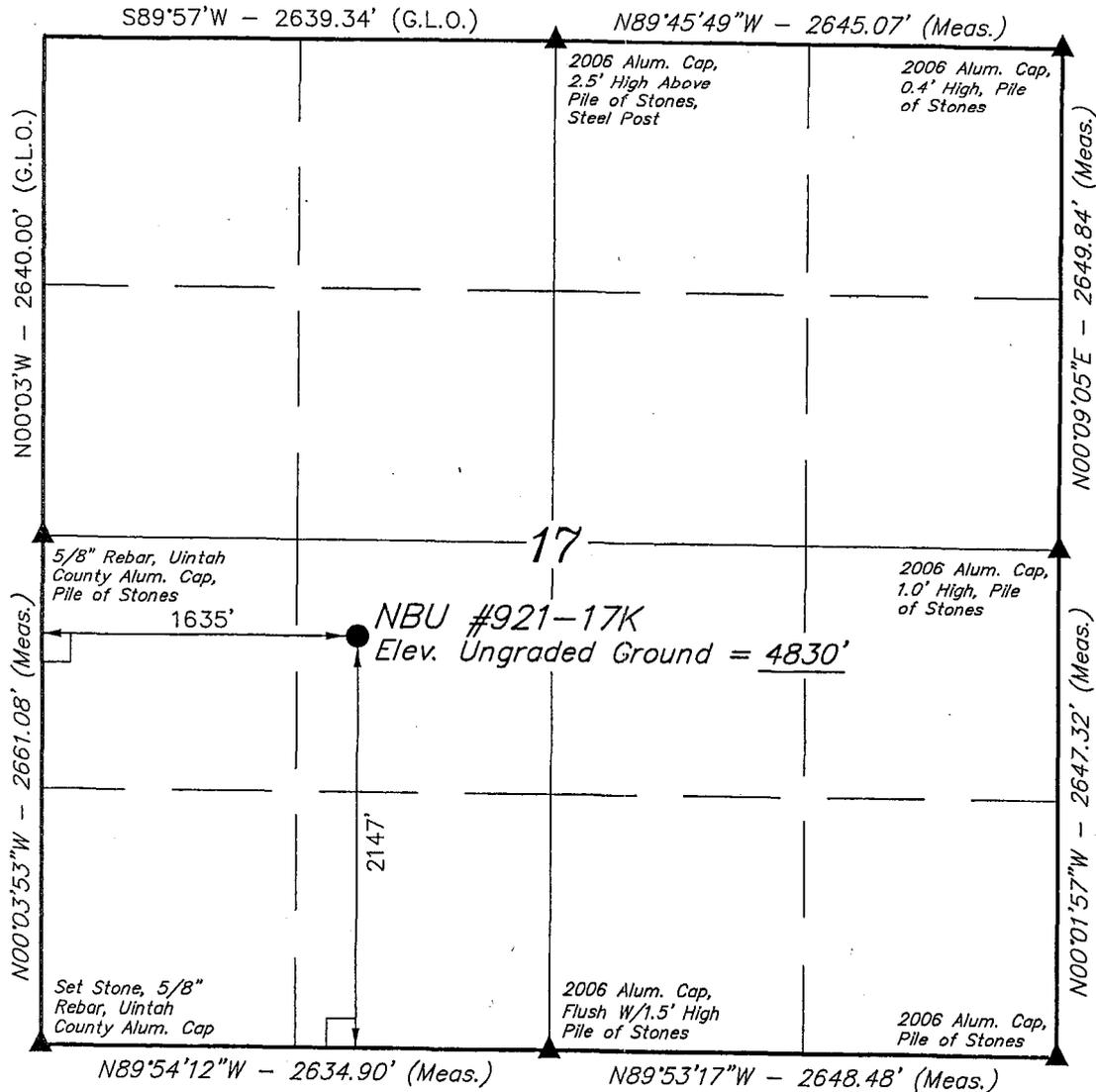
Federal Approval of this  
Action is Necessary

RECEIVED

JUN 11 2007

DIV. OF OIL, GAS & MINING

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



### LEGEND:

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

(NAD 83)  
 LATITUDE = 40°02'05.02" (40.034728)  
 LONGITUDE = 109°34'45.18" (109.579217)  
 (NAD 27)  
 LATITUDE = 40°02'05.15" (40.034764)  
 LONGITUDE = 109°34'42.70" (109.578528)

## Kerr-McGee Oil & Gas Onshore LP

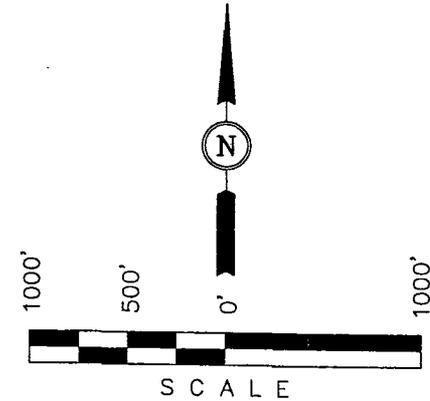
Well location, NBU #921-17K, located as shown in the NE 1/4 SW 1/4 of Section 17, T9S, R21E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

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

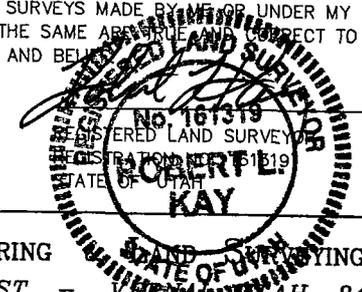
### BASIS OF BEARINGS

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 SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



**UINTAH ENGINEERING**  
 85 SOUTH 200 EAST - VERNON, UTAH 84078  
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 03-31-07	DATE DRAWN: 04-04-07
PARTY D.K. M.B. P.M.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE Kerr-McGee Oil & Gas Onshore LP	

NBU 921-17K  
NE/SW Sec. 17, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-0575

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1727'
Top of Birds Nest Water	2022'
Mahogany	2401'
Wasatch	5154'
Mesaverde	8233'
MVU2	9118'
MVL1	9688'
TD	10380'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1727'
	Top of Birds Nest Water	2022'
	Mahogany	2401'
Gas	Wasatch	5154'
Gas	Mesaverde	8233'
Gas	MVU2	9118'
Gas	MVL1	9688'
Water	N/A	
Other Minerals	N/A	

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

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

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

*Please see the Natural Buttes Unit SOP.*

5. **Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

6. **Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,380' TD, approximately equals 6436 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4152 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

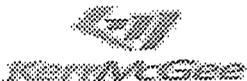
*Drilling is planned to commence immediately upon approval of this application.*

9. **Variations:**

*Please see Natural Buttes Unit SOP.*

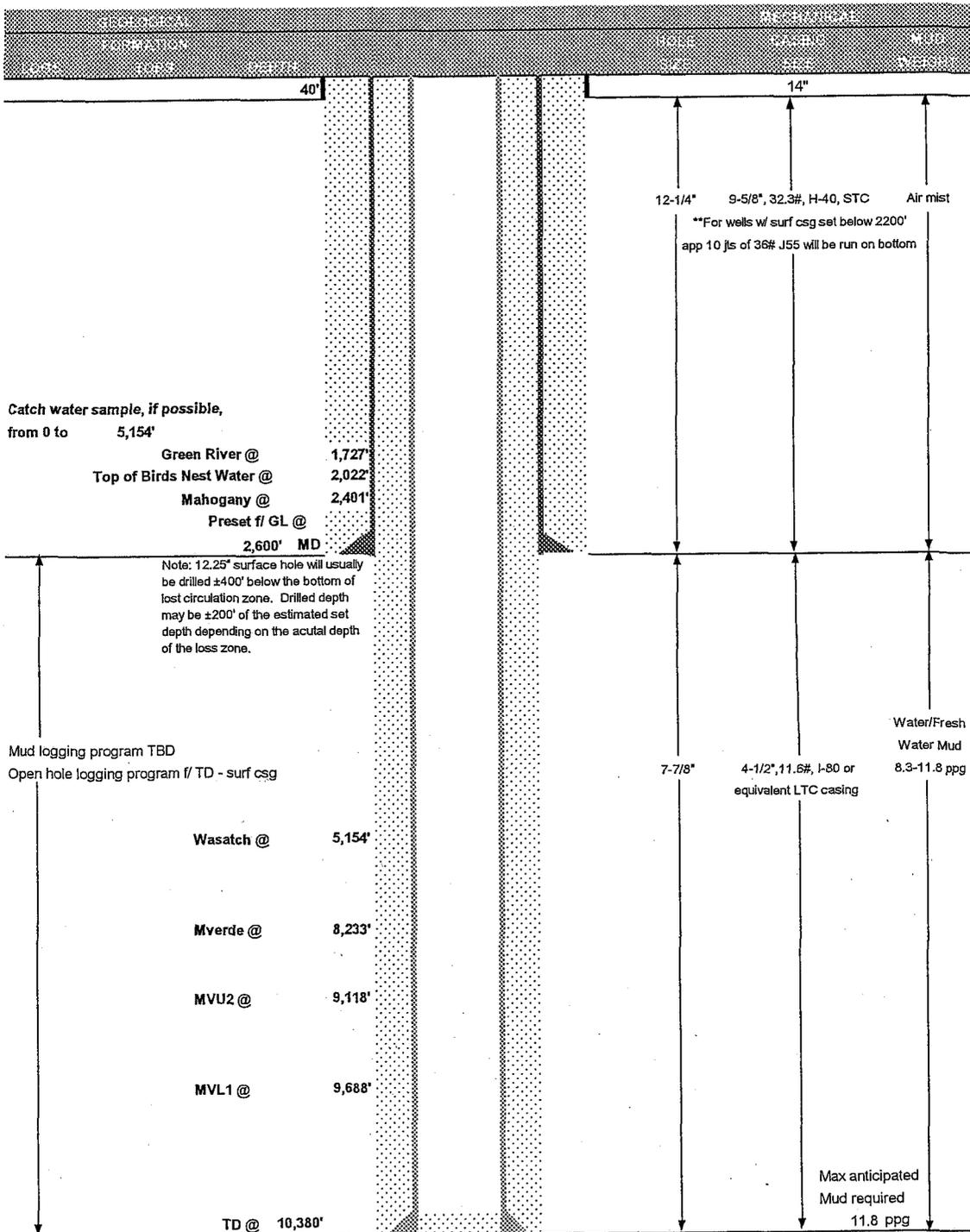
10. **Other Information:**

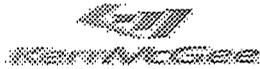
*Please see Natural Buttes Unit SOP.*



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

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE May 31, 2007  
 WELL NAME NBU 921-17K TD 10,380' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,830' GL KB 4,845'  
 SURFACE LOCATION NESW, SEC 17-T9S-R21E, 2147' FSL 1635' FWL BHL Straight Hole  
 Latitude: 40.034728 Longitude: 109.579217  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: TRIBAL SURF & BLM MINERALS, UDOGM, Tri-County Health Dept.





# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

Casing Type	Casing Size	Depth Range	Weight	Grade	Type	Pressure (psi)		
						Surface	Intermediate	Bottom
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2200	32.30	H-40	STC	0.56*****	1.33	3.45
						3520	2020	564000
PRODUCTION	4-1/2"	2200 to 2600	36.00	J-55	STC	1.09*****	1.66	7.67
						7760	6350	201000
		0 to 10380	11.60	I-80	LTC	1.90	1.00	1.91

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 = 11.8 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 4086 psi

\*\*\*\*\* Burst SF is low but csg is stronger than formation at 2600 feet

\*\*\*\*\* EMW @ 2600 for 2270# is 16.8 ppg or 0.9 psi/ft

## CEMENT PROGRAM

Location	Depth	Cement Type	Volume	Strength	Weight	Caliper	
SURFACE Option 1	LEAD 500	Premium cmt + 2% CaCl + .25 pps floccle	215	60%	15.60	1.18	
	TOP OUT CMT (1) 250	20 gals sodium silicate + Premium cmt	100		15.60	1.18	
	TOP OUT CMT (2) as required	- 2% CaCl + .25 pps floccle Premium cmt + 2% CaCl	as req.		15.60	1.18	
SURFACE Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized						
	LEAD 2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Floccle + 3% salt BWOC	230	35%	11.00	3.82	
	TAIL 500	Premium cmt + 2% CaCl + .25 pps floccle	180	35%	15.60	1.18	
	TOP OUT CMT as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
PRODUCTION	LEAD 4,650'	Premium Lite II + 3% KCl + 0.25 pps celjotake + 5 pps gilsonite + 10% gel + 0.5% extender	510	60%	11.00	3.38	
	TAIL 5,730'	50/50 Poz/G + 10% salt + 2% gel + 1% R-3	1600	60%	14.30	1.31	

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

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

## FLOAT EQUIPMENT & CENTRALIZERS

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

## ADDITIONAL INFORMATION

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

BOPE: 11" SM 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.

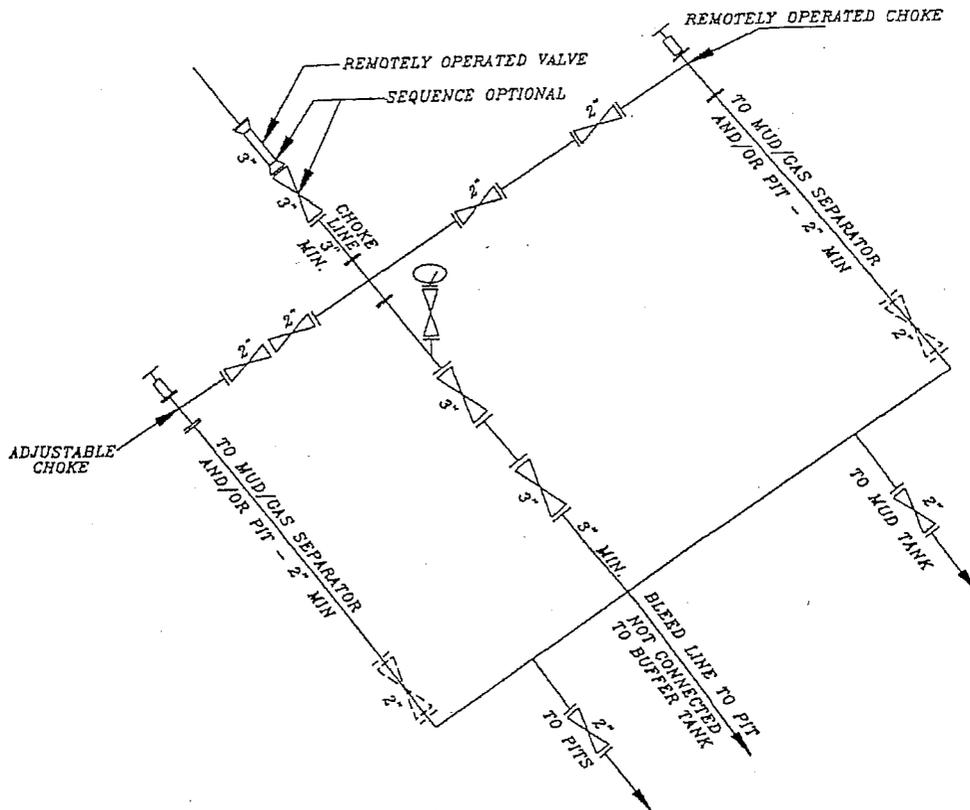
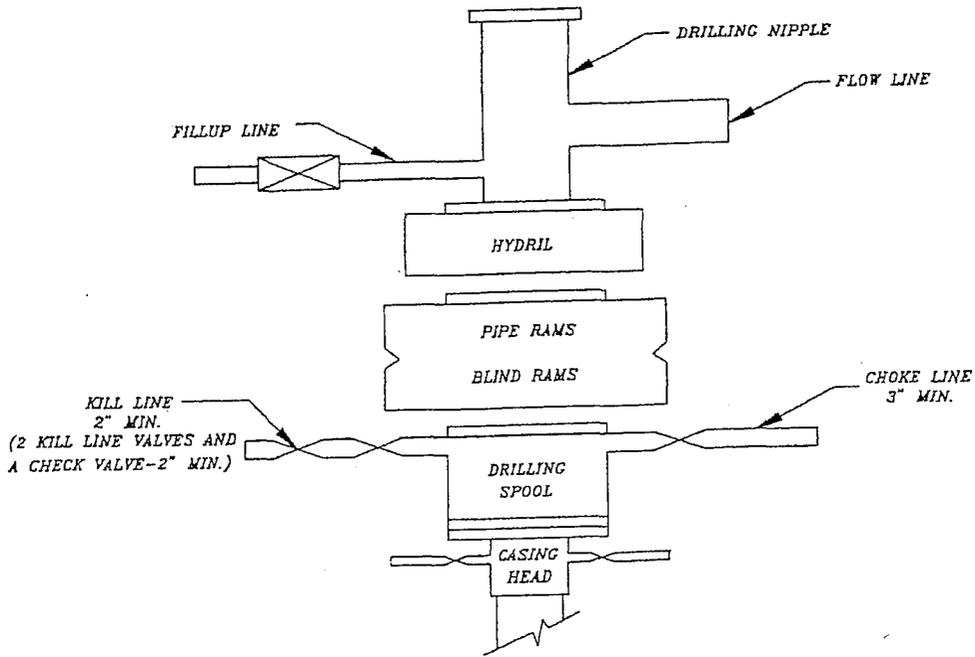
DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney

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

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

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

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 921-17K  
NE/SW SEC. 17, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-0575**

**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 0.1 +/- miles 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 10' +/- 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 Uphego  
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

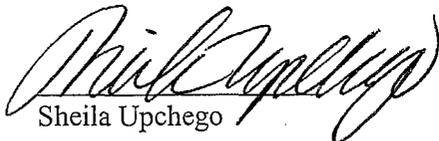
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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 Uphego

6/4/2007

Date

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-17K

SECTION 17, 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 2.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 400' TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE #370 AND THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 42.7 MILES.

# Kerr-McGee Oil & Gas Onshore LP

NBU #921-17K

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 17, T9S, R21E, S.L.B.&M.

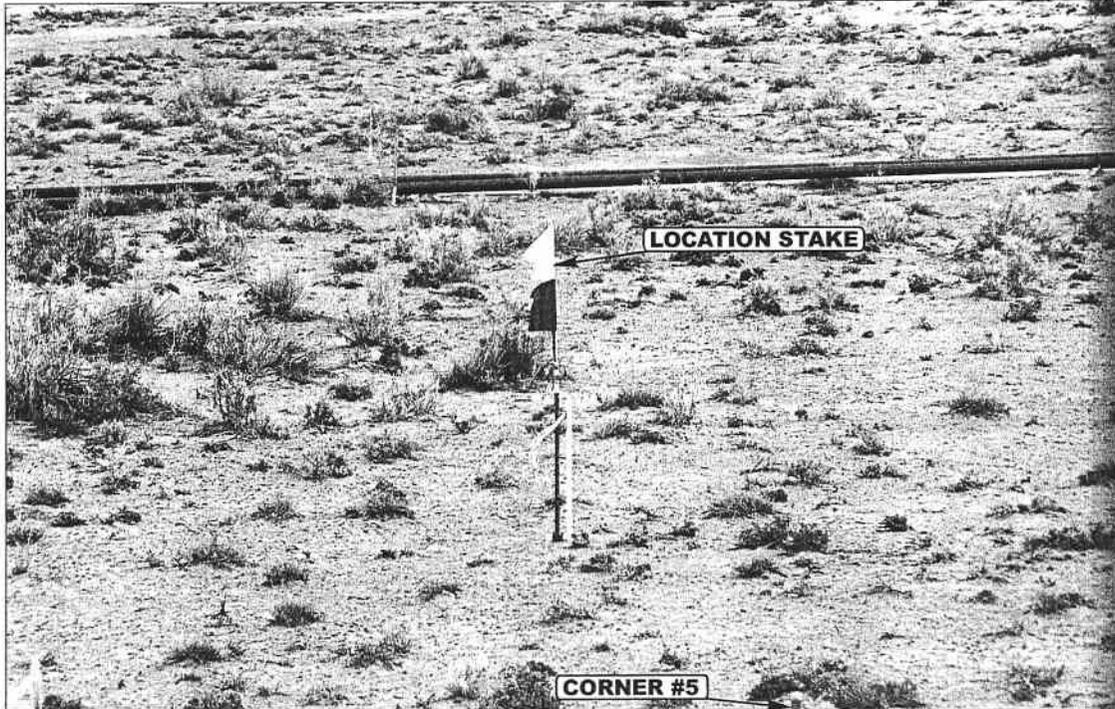


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

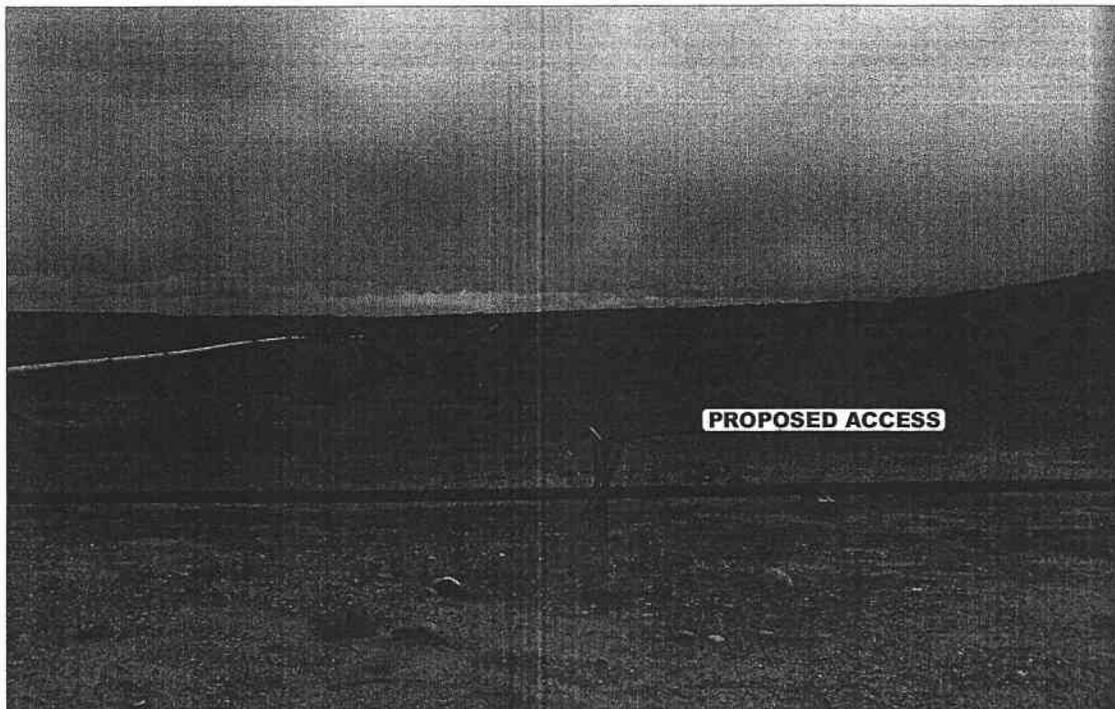


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

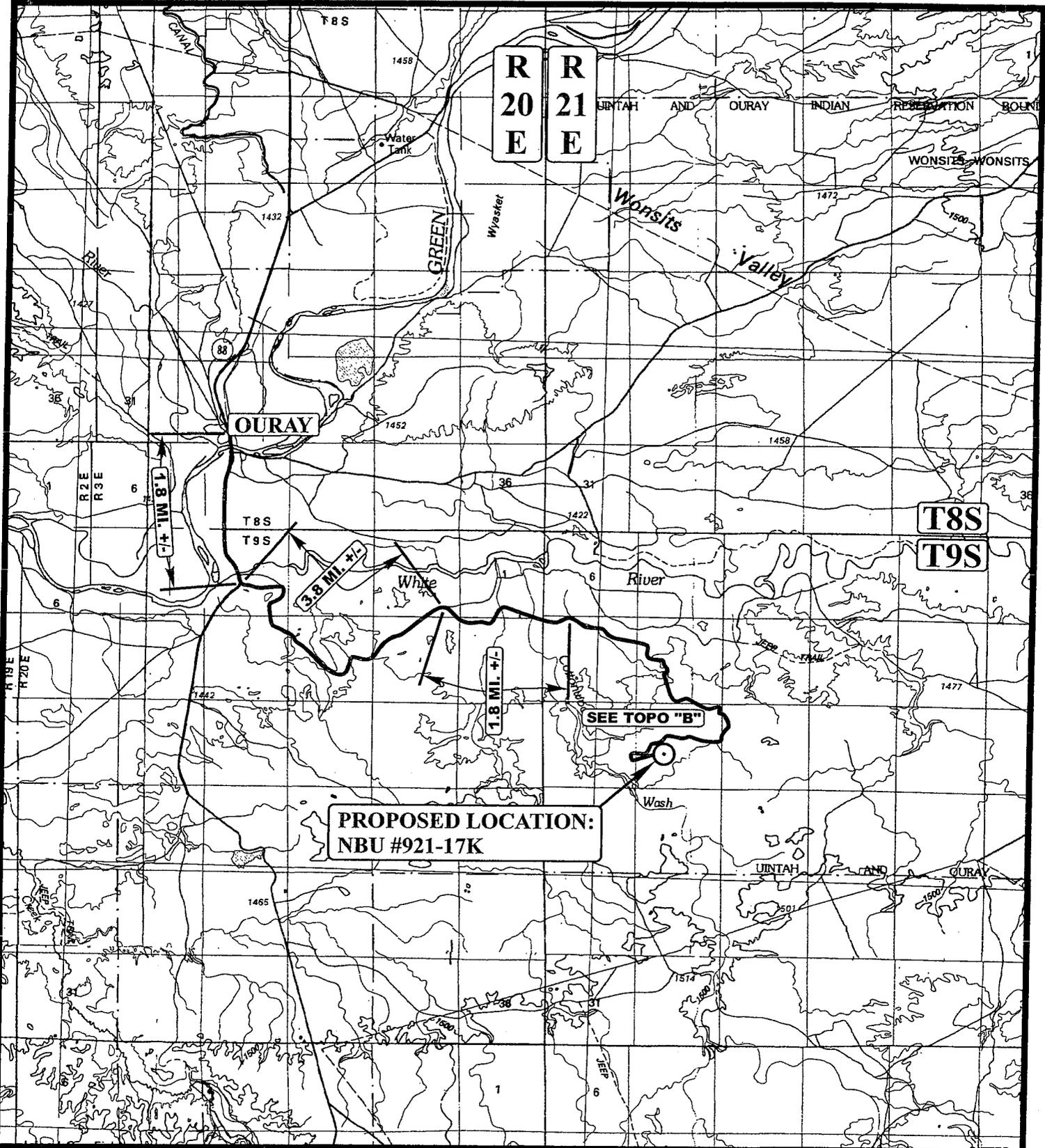
CAMERA ANGLE: EASTERLY



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

- Since 1964 -

LOCATION PHOTOS	04	05	07	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: D.S.	DRAWN BY: C.P.	REVISED: 00-00-00		



**LEGEND:**

○ PROPOSED LOCATION



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

NBU #921-17K

SECTION 17, T9S, R21E, S.L.B.&M.

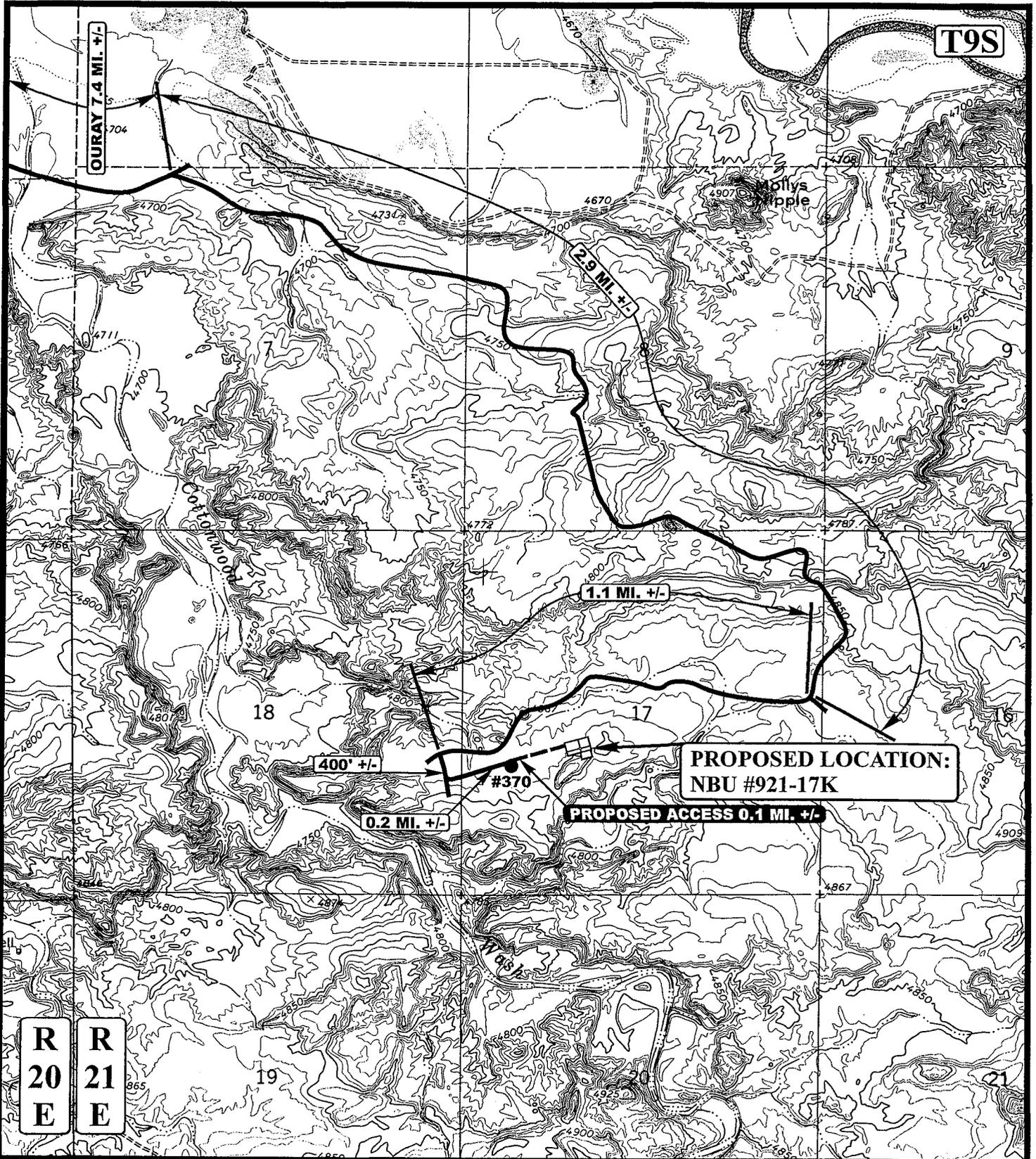
2147' FSL 1635' FWL



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

TOPOGRAPHIC MAP 04 05 07  
 MONTH DAY YEAR  
 SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD



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

**NBU #921-17K**

**SECTION 17, T9S, R21E, S.L.B.&M.**

**2147' FSL 1635' FWL**



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

**TOPOGRAPHIC**  
**MAP**

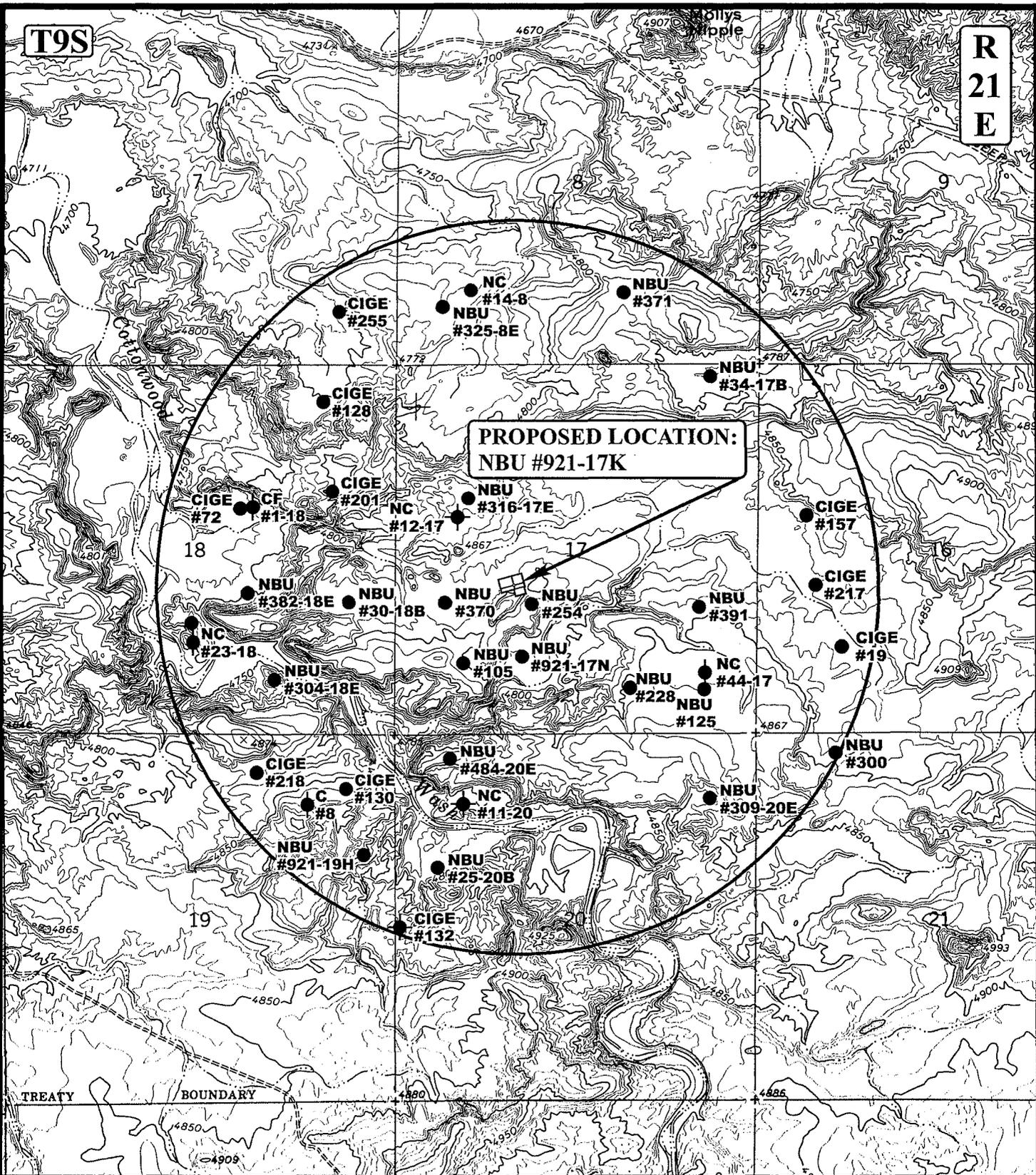
<b>04</b>	<b>05</b>	<b>07</b>
MONTH	DAY	YEAR

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



T9S

R  
21  
E



PROPOSED LOCATION:  
NBU #921-17K

**LEGEND:**

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



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

NBU #921-17K  
SECTION 17, T9S, R21E, S.L.B.&M.  
2147' FSL 1635' FWL



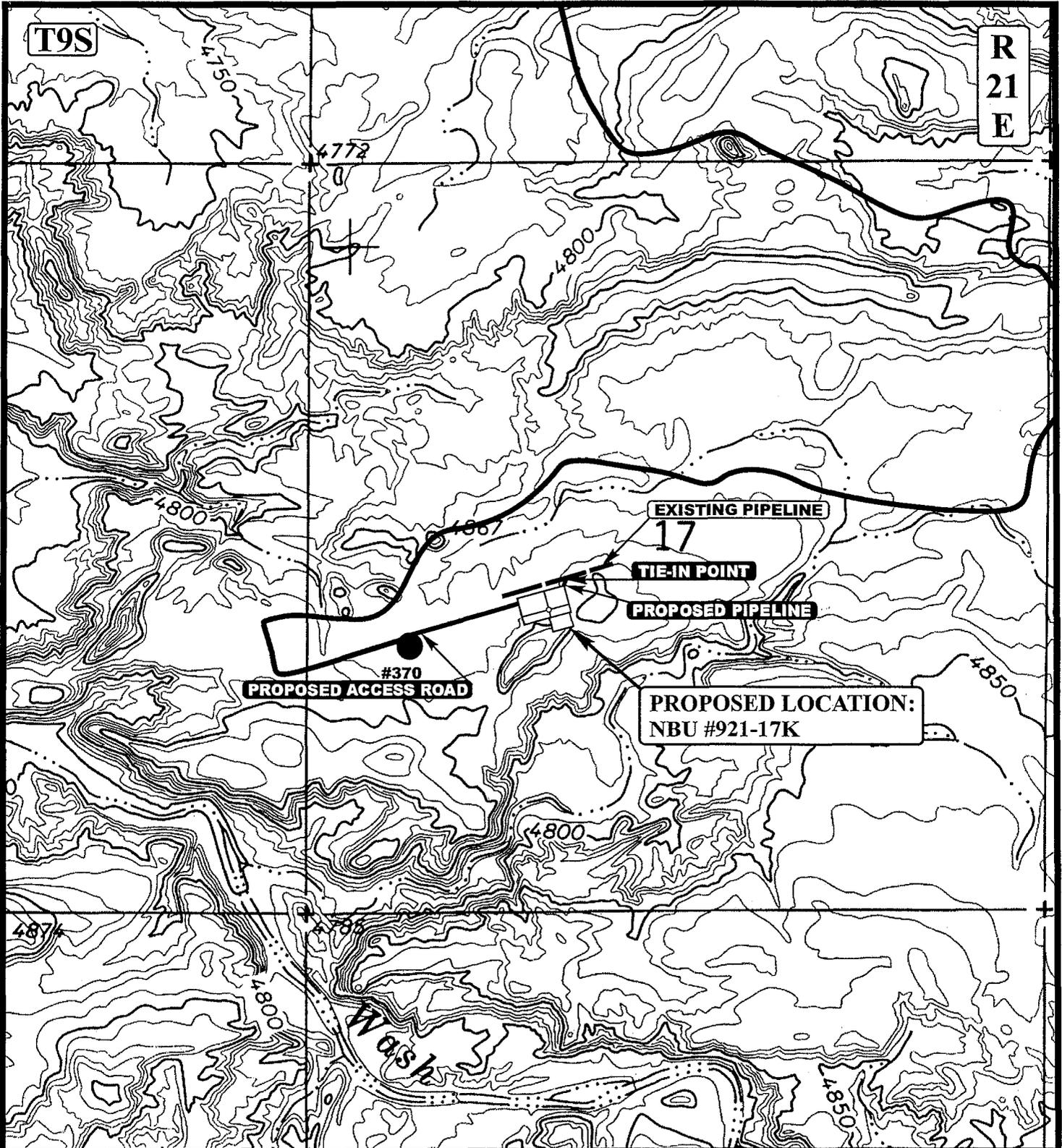
Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

04	05	07
MONTH	DAY	YEAR

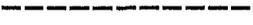
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 10' +/-

**LEGEND:**

-  PROPOSED ACCESS ROAD
-  EXISTING PIPELINE
-  PROPOSED PIPELINE



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

NBU #921-17K

SECTION 17, T9S, R21E, S.L.B.&M.

2147' FSL 1635' FWL



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

**TOPOGRAPHIC** 04 05 07  
 M A P MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



# Kerr-McGee Oil & Gas Onshore LP

NBU #921-17K  
PIPELINE ALIGNMENT  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 17, T9S, R21E, S.L.B.&M.

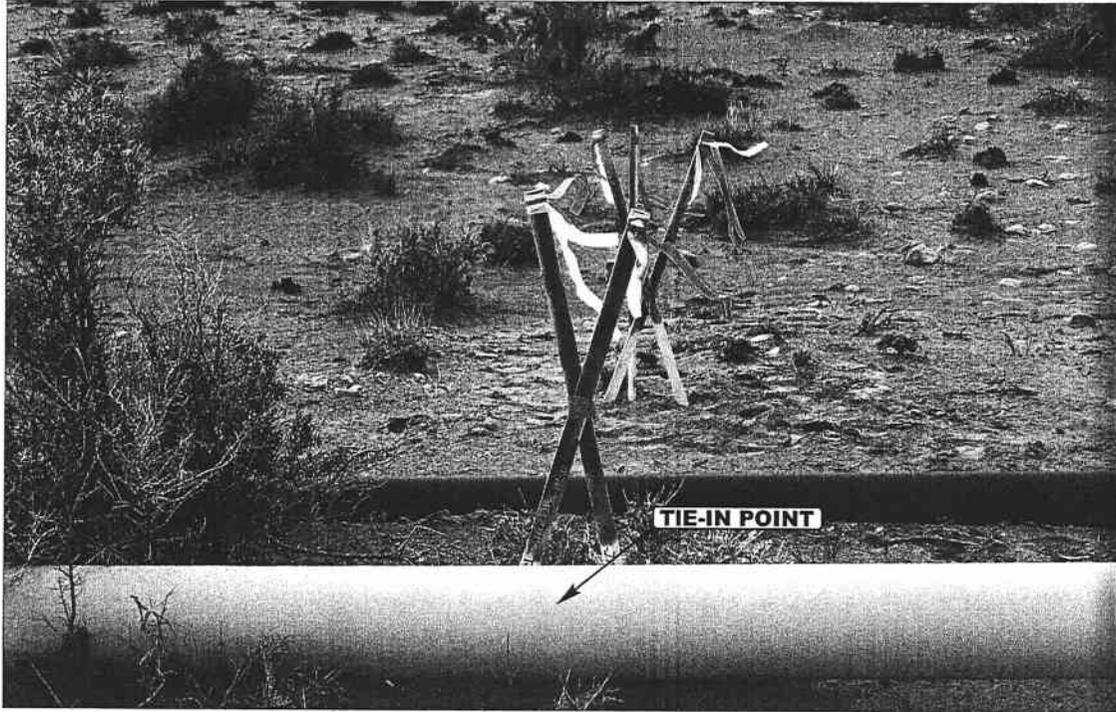


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHERLY

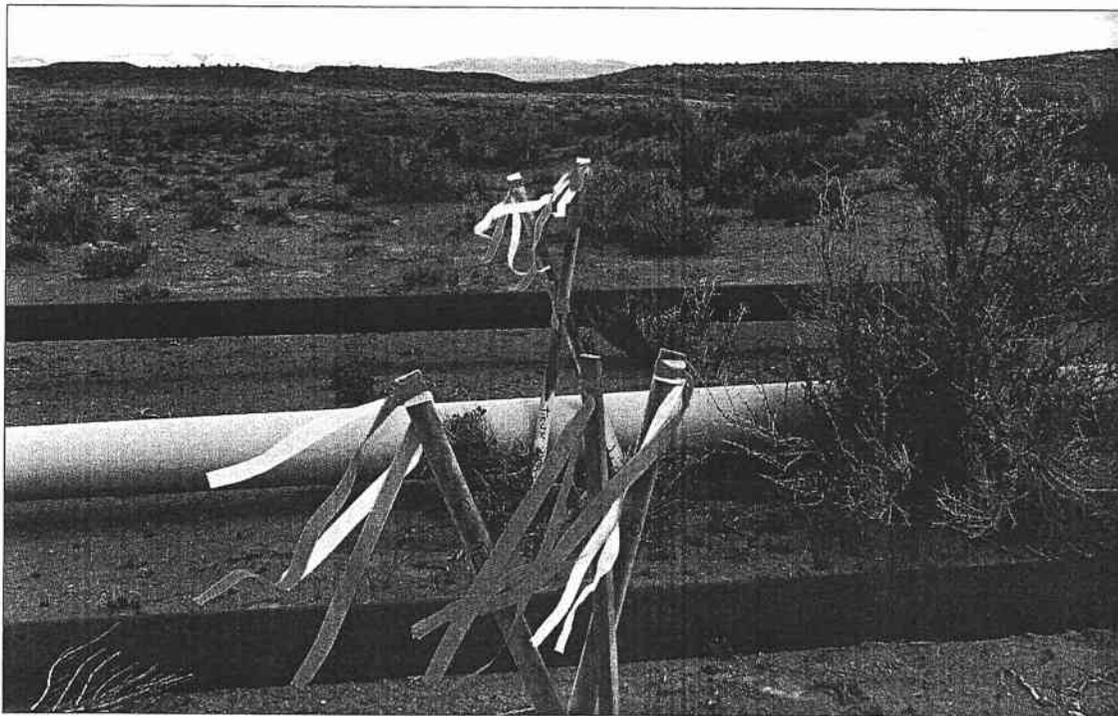


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: EASTERLY



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

- Since 1964 -

PIPELINE PHOTOS

04 05 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.S.

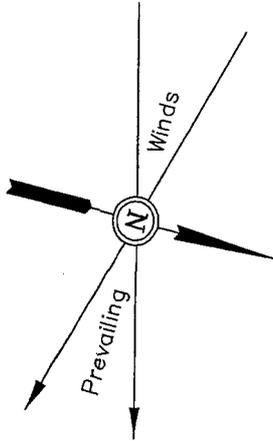
DRAWN BY: C.P.

REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR  
 NBU #921-17K  
 SECTION 17, T9S, R21E, S.L.B.&M.  
 2147' FSL 1635' FWL



Proposed Access Road

Approx. Toe of Fill Slope

F-4.0'  
 El. 25.5'

C-1.4'  
 El. 30.9'

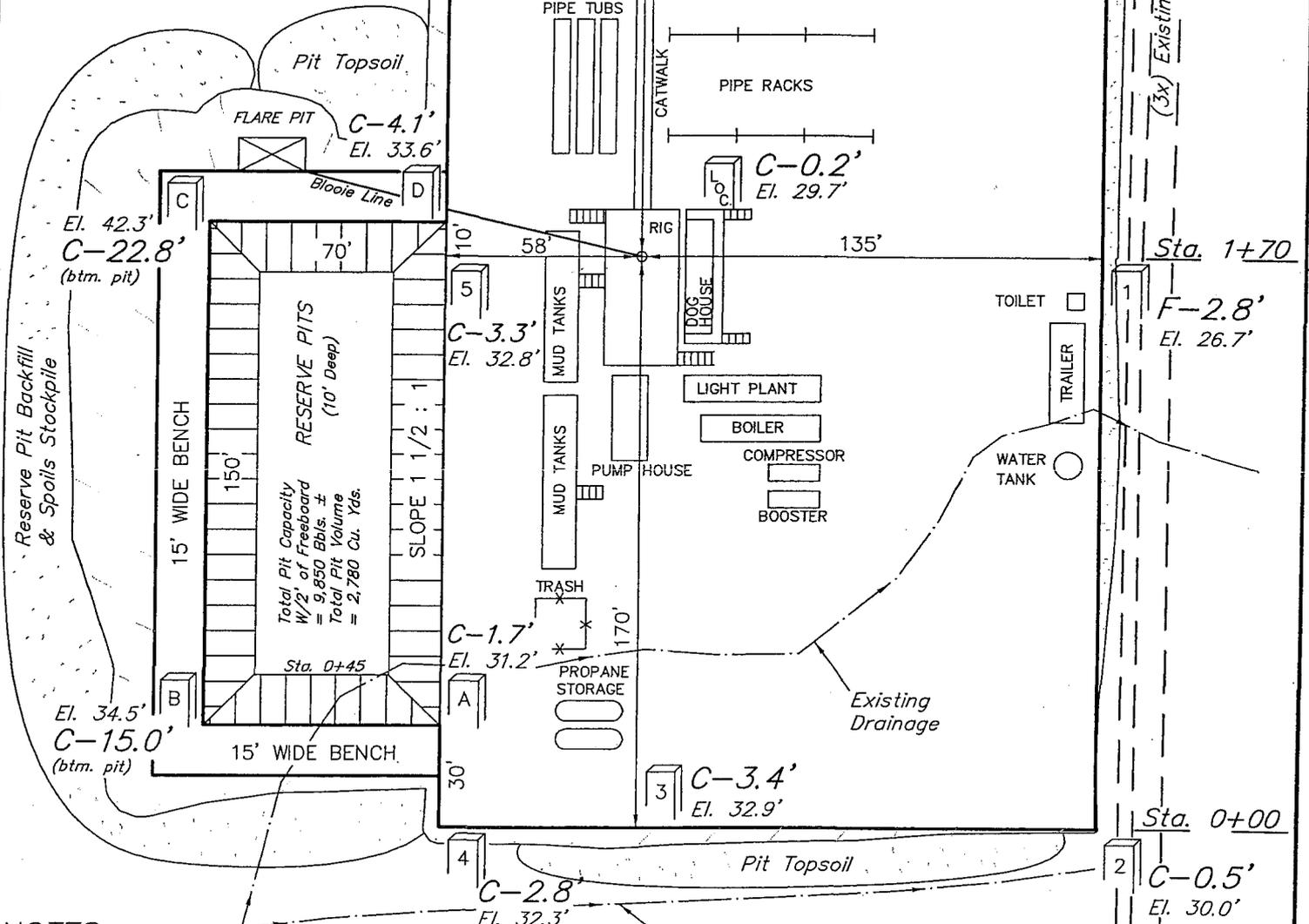
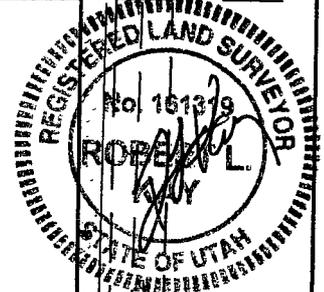
Sta. 3+50

SCALE: 1" = 50'  
 DATE: 04-04-07  
 Drawn By: P.M.

Approx. Top of Cut Slope

NOTE:

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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 4829.7'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 4829.5'

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

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #2

## TYPICAL CROSS SECTIONS FOR

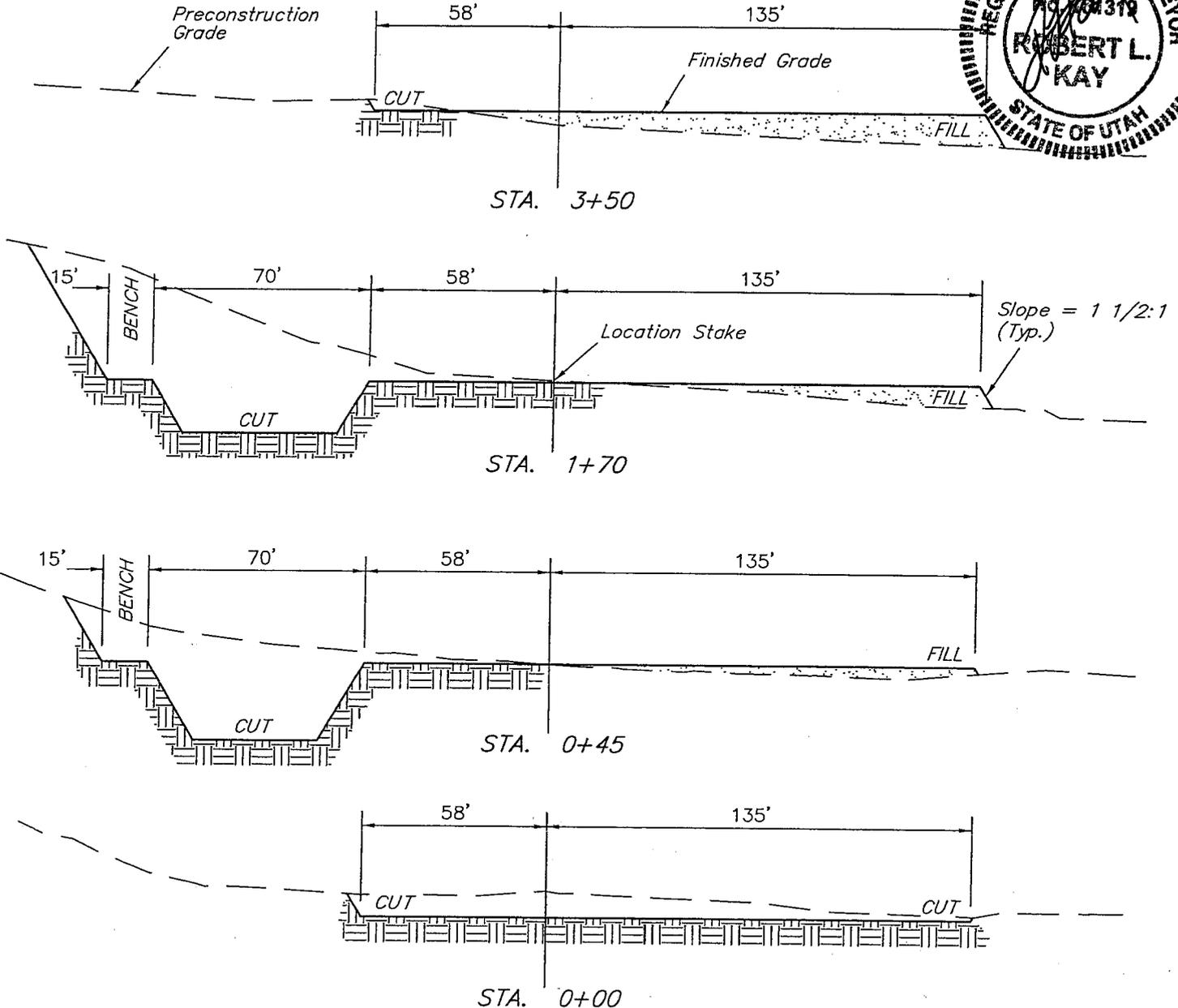
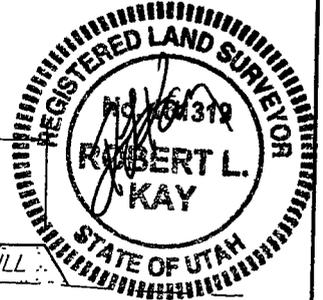
NBU #921-17K

SECTION 17, T9S, R21E, S.L.B.&M.

2147' FSL 1635' FWL

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

DATE: 04-04-07  
Drawn By: P.M.



**NOTE:**

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

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

CUT	
(12") Topsoil Stripping	= 3,540 Cu. Yds.
Remaining Location	= 7,110 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 10,650 CU.YDS.</b>
<b>FILL</b>	<b>= 5,120 CU.YDS.</b>

EXCESS MATERIAL	= 5,530 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 4,930 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 600 Cu. Yds.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 06/11/2007

API NO. ASSIGNED: 43-047-39363

WELL NAME: NBU 921-17K  
 OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )  
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NESW 17 090S 210E  
 SURFACE: 2147 FSL 1635 FWL  
 BOTTOM: 2147 FSL 1635 FWL  
 COUNTY: UINTAH  
 LATITUDE: 40.03463 LONGITUDE: -109.5785  
 UTM SURF EASTINGS: 621283 NORTHINGS: 4432358  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-0575  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

- \_\_\_ R649-2-3.
- Unit: NATURAL BUTTES
- \_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_ R649-3-3. Exception
- Drilling Unit  
Board Cause No: 173-14  
Eff Date: 12-5-99  
Siting: 460' to 480' ? Unknown. Tract
- \_\_\_ R649-3-11. Directional Drill

COMMENTS: See 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)

June 18, 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)		
43-047-39375	NBU 1021-05MT	Sec 05 T10S R21E 0745 FSL 0529 FWL
43-047-39376	NBU 1021-11I	Sec 11 T10S R21E 2387 FSL 1247 FEL
43-047-39377	NBU 1021-11O	Sec 11 T10S R21E 1192 FSL 2437 FEL
43-047-39378	NBU 1021-11N	Sec 11 T10S R21E 1258 FSL 1861 FWL
43-047-39379	NBU 1021-11P	Sec 11 T10S R21E 0232 FSL 1170 FEL
43-047-39380	NBU 1021-11M	Sec 11 T10S R21E 0425 FSL 1318 FWL
43-047-39381	NBU 1021-11J	Sec 11 T10S R21E 2252 FSL 2402 FEL
43-047-39383	NBU 1021-12A	Sec 12 T10S R21E 0835 FNL 0781 FEL
43-047-39382	NBU 1021-12M	Sec 12 T10S R21E 1022 FSL 0329 FWL
43-047-39384	NBU 1021-12N	Sec 12 T10S R21E 0677 FSL 2302 FWL
43-047-39385	NBU 1021-12K	Sec 12 T10S R21E 1532 FSL 1952 FWL
43-047-39386	NBU 1021-12L	Sec 12 T10S R21E 1580 FSL 0196 FWL
43-047-39360	NBU 921-16J	Sec 16 T09S R21E 1994 FSL 1660 FEL
43-047-39361	NBU 921-16HT	Sec 16 T09S R21E 1858 FNL 1013 FEL
43-047-39362	NBU 921-16MT	Sec 16 T09S R21E 1261 FSL 1248 FWL
43-047-39363	NBU 921-17K	Sec 17 T09S R21E 2147 FSL 1635 FWL
43-047-39364	NBU 921-17J	Sec 17 T09S R21E 1508 FSL 1748 FEL
43-047-39365	NBU 921-20M	Sec 20 T09S R21E 0568 FSL 0586 FWL
43-047-39366	NBU 921-20O	Sec 20 T09S R21E 1026 FSL 1859 FEL
43-047-39367	NBU 921-23C	Sec 23 T09S R21E 0817 FNL 1945 FWL
43-047-39368	NBU 921-25NT	Sec 25 T09S R21E 1150 FSL 2607 FWL
43-047-39369	NBU 922-18O	Sec 18 T09S R22E 1255 FSL 2083 FEL

Page 2

43-047-39370 NBU 922-18I Sec 18 T09S R22E 1600 FSL 0901 FEL  
43-047-39371 NBU 922-18G Sec 18 T09S R22E 2009 FNL 1936 FEL  
43-047-39372 NBU 922-20E Sec 20 T09S R22E 2182 FNL 0452 FWL  
43-047-39387 NBU 1022-6B-2 Sec 06 T10S R22E 0160 FNL 2289 FEL  
43-047-39389 NBU 1022-24B Sec 24 T10S R22E 1035 FNL 1619 FEL  
43-047-39374 NBU 1020-24BT Sec 24 T10S R20E 0914 FNL 1966 FEL  
43-047-39373 NBU 1020-01KT Sec 01 T10S R20E 1731 FSL 1834 FWL

Our records indicate the NBU 1022-24B is closer than 460 feet from the Natural Buttes Unit boundary.

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:6-18-07



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

**Division of Oil Gas and Mining**

JOHN R. BAZA  
Division Director

June 19, 2007

Kerr-McGee Oil & Gas  
1368 S 1200 East  
Vernal, UT 84078

Re: Natural Buttes Unit 921-17K Well, 2147' FSL, 1635' FWL, NE SW, Sec. 17, 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 43-047-39363.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Kerr-McGee Oil & Gas  
Well Name & Number Natural Buttes Unit 921-17K  
API Number: 43-047-39363  
Lease: UTU-0575

Location: NE SW                      Sec. 17                      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. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. 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.

RECEIVED  
VERNAL FIELD OFFICE

Form 3160-3  
(August 1999)

2007 JUN -5 PM 2:49

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
DEPT. OF THE INTERIOR  
BUREAU OF LAND MGMT.

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work:  DRILL  REENTER

b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
**KERR MCGEE OIL AND GAS ONSHORE LP**

3A. Address **1368 SOUTH 1200 EAST VERNAL, UT 84078** 3b. Phone No. (include area code) **(435) 781-7024**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **NE/SW 2147'FSL, 1635'FWL**  
At proposed prod. Zone

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

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) **1635'**  
16. No. of Acres in lease **1600.00**  
17. Spacing Unit dedicated to this well **40.00**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. **REFER TO TOPO C**  
19. Proposed Depth **10,380'**  
20. BLM/BIA Bond No. on file **RLB0005239**

21. Elevations (Show whether DF, KDB, RT, GL, etc.) **4830'GL**  
22. Approximate date work will start\* **UPON APPROVAL**  
23. Estimated duration **TO BE DETERMINED**

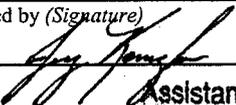
24. Attachments

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

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

25. Signature  Name (Printed/Typed) **SHEILA UPCHEGO** Date **6/4/2007**

Title **SENIOR LAND ADMIN SPECIALIST**

Approved by (Signature)  Name (Printed/Typed) **Jerry Kevzala** Date **3-13-2008**

Title **Assistant Field Manager** Office **VERNAL FIELD OFFICE**  
**Lands & Mineral Resources**

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

Conditions of approval, 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

MAR 18 2008

DIV. OF OIL, GAS & MINING

NONOS  
07MIC0039A



**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:** NESW, Sec. 17, T9S, R21E  
**Well No:** NBU 921-17K      **Lease No:** UTU-0575  
**API No:** 43-047-39363      **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:	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:	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) 781-3425**

**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**

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

- None

**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.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.

- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to [UT\\_VN\\_Welllogs@BLM.gov](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 (¼, 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 921-17K

API No: 43-047-39363 Lease Type: Federal/Indian

Section 17 Township 09S Range 21E County Uintah

Drilling Contractor Pete Martin Rig # Bucket

### SPUDDED:

Date 5-05-08

Time 10:00 PM

How Dry

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

Reported by Lou Weldon

Telephone # 435-828-7035

Date 5-07-08 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
4304738310	BONANZA 1023-11J		NWSE	11	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>A</i>	99999	<i>16839</i>	5/7/2008			<i>5/08/08</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 05/07/2008 AT 1030 HRS.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739365	NBU 921-20M		SWSW	20	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	5/6/2008			<i>5/08/08</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 05/06/2008 AT 1000 HRS.							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739363	NBU 921-17K		NESW	17	9S,	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
<i>B</i>	99999	<i>2900</i>	5/5/2008			<i>5/08/08</i>	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>W57MVD</i> SPUD WELL LOCATION ON 05/05/2008 AT 2200 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)

*Sheila Upchego*

Signature

SENIOR LAND SPECIALIST 5/7/2008

Title

Date

**RECEIVED**

**MAY 08 2008**

DIV. OF OIL, GAS & MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

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

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)  
**NE/SW SEC. 17, T9S, R21E 2147'FSL, 1635'FWL**

5. Lease Serial No.  
**UTU-0575**

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 921-17K**

9. API Well No.  
**4304739363**

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**

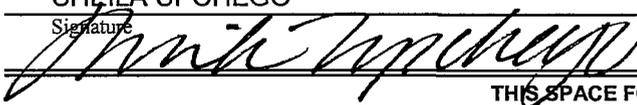
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> 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>SET SURFACE</b>
			<b>CSG</b>

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

MIRU PROPETRO AIR RIG ON 05/06/2008. DRILLED 12 1/4" SURFACE HOLE TO 2640'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/240 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 +/- BBLs CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/125 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

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

Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Title <b>SENIOR LAND ADMIN SPECIALIST</b>
Signature 	Date <b>May 13, 2008</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by	Title	Date

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

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

(Instructions on reverse)

**RECEIVED**

**MAY 19 2008**

DIV. OF OIL & GAS

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-0575**

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 921-17K**

9. API Well No.  
**4304739363**

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)  
**NE/SW SEC. 17, T9S, R21E 2147'FSL, 1635'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 FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

FINISHED DRILLING FROM 2640' TO 10,300' ON 06/13/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/545 SX PREM LITE II @11.8 PPG 2.45 YIELD. TAILED CMT W/1300 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. DISPLACE W/169 BBLs LOST RETURNS BEFORE DROPPING PLUG DISPLACE PLUG BUMP PLUG W/500 +/- FLOAT HOLDING SET CSG HANGER W/85000# TEST SEALS OKAY. CLEAN MUD PITS.

**RELEASED PIONEER RIG 41 ON 06/15/2008 AT 1800 HRS.**

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

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature



Date

**June 16, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

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

Office

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

(Instructions on reverse)

**RECEIVED**

**JUN 18 2008**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

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

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-0575
2. Name of Operator KERR-McGEE OIL & GAS ONSHORE LP		6. If Indian, Allottee or Tribe Name TRIBAL SURFACE
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) (435) 781-7024	7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A NATURAL BUTTES UNIT
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NE/SW SEC. 17, T9S, R21E 2147'FSL, 1635'FWL		8. Well Name and No. NBU 921-17K
		9. API Well No. 4304739363
		10. Field and Pool, or Exploratory Area NATURAL BUTTES
		11. County or Parish, State UINTAH COUNTY, UTAH

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

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

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

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 07/27/2008 AT 9:20 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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

Name (Printed/Typed) SHEILA UPCHEGO	Title REGULATORY ANALYST
Signature 	Date July 29, 2008

THIS SPACE FOR FEDERAL OR STATE USE

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

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

JUL 31 2008

Wins No.: 94961

NBU 921-17K

## Well Operations Summary Long

Operator KERR MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 05/05/2008	GL 4,830	KB 4848	ROUTE
API 4304739363	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.03473 / -109.57922		Q-Q/Sec/Town/Range: NESW / 17 / 9S / 21E		Footages: 2,147.00' FSL 1,635.00' FWL	

## Wellbore: NBU 921-17K

MTD 10,300	TVD 10,276	PBMD 4,848	PBTVD 4,848
---------------	---------------	---------------	----------------

EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	START DATE: 5/5/2008
	OBJECTIVE: DEVELOPMENT	END DATE: 6/15/2008
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.: !
	REASON: MV	Event End Status: COMPLETE

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
PETE MARTIN DRILLING / UI	05/05/2008	05/05/2008	05/05/2008	05/05/2008	05/05/2008	05/05/2008	05/05/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	MD:
5/5/2008	SUPERVISOR: LEW WELDON 22:00 - 0:00	2.00	DRLCON	02		P	MOVE IN AND RIG UP BUCKET RIG SPUD WELL @ 2200 HR 5/5/08 DRILL AND SET 40' OF SCHEDULE 10 PIPE DRILL RODENT HOLES FOR RIG 41 BLM AND STATE NOTIFIED OF SPUD	58
5/6/2008	SUPERVISOR: LEW WELDON 3:00 - 12:00	9.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0300 HR 5/6/08 DA AT REPORT TIME 620'	1,080
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 1080'	
5/7/2008	SUPERVISOR: LEW WELDON 0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD WITH SOME WATER 1620'	1,860
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD WITH SOME WATER 1860'	
5/8/2008	SUPERVISOR: LEW WELDON 0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD NO WATER 2120'	2,640
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG T/D @ 2640' CONDITION HOLE 1 HR	
5/9/2008	SUPERVISOR: LEW WELDON 0:00 - 6:00	6.00	DRLSUR	05		P	TRIP DP OUT OF HOLE	2,640
	6:00 - 11:30	5.50	DRLSUR	11		P	RUN 2602' OF 9 5/8 CSG AND 200' OF 1" PIPE RIG DOWN AIR RIG	
	11:30 - 12:30	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 240 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 25 BBL LEAD CMT TO PIT	

Wins No.: 94961

NBU 921-17K

API No.: 4304739363

11:30 - 12:30	1.00	DRLSUR	15	P	CEMENT 1ST STAGE WITH 240 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRUOUT JOB + - 25 BBL LEAD CMT TO PIT
12:30 - 13:00	0.50	DRLSUR	15	P	1ST TOP JOB 125 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC
13:00 - 14:30	1.50	DRLSUR	15	P	2ND TOP JOB 100 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
14:30 - 14:30	0.00	DRLSUR			NO VISIBLE LEAKS PIT 1/4 FULL WORT

5/31/2008

SUPERVISOR: JIM MURRAY

MD: 2,640

4:00 - 8:00	4.00	DRLPRO	01	E	P	RDRT
8:00 - 20:00	12.00	DRLPRO	01	A	P	RD ON NBU-920-14L, MOVE RIG 10 MILES W / WESTROC, START RIG UP, 6 HAUL TRUCKS, 7 BED TRUCKS, 2 FORKLIFTS, 1 CRANE, RIG 100% MOVED, SET MATS, SUB & MUD TANKS, MAN HRS=138
20:00 - 0:00	4.00	DRLPRO	12	D	P	RIG IDLE

6/1/2008

SUPERVISOR: JIM MURRAY

MD: 2,640

0:00 - 6:00	6.00	DRLPRO	12	D	P	RIG IDLE
6:00 - 21:00	15.00	DRLPRO	01	B	P	SET IN RIG & RIG UP BACK YARD, RUN FUEL WATER, AIR LINES, RU FLOOR PICK UP SWIVEL & KELLY, DERRICK UP @ 1130 TRUCKS RELEASED @ 1200, CRANE @ 1300
21:00 - 0:00	3.00	DRLPRO	13	A	P	NIPPLE UP BOP, ADD 32" SPACER SPOOL, RIG ACCEPTED ON DAY WORK @ 2100 HRS 6/1/2008 TOTAL MAN HRS=255

6/2/2008

SUPERVISOR: JIM MURRAY

MD: 3,440

0:00 - 1:00	1.00	DRLPRO	13	A	P	NU BOPE, CHANGE OUT CHOKE LINE
1:00 - 6:00	5.00	DRLPRO	13	C	P	TEST, KELLY, PIPE & BLIND RAMS, CHOKE & ALL VALVES TO 5000# HIGH, 250 LO, ANNULAR 2500, CSG 1500
6:00 - 11:00	5.00	DRLPRO	05	A	P	SM RU WEATHERFORD, PU BHA & 58 JTS DP, RD SAME, INSTALL ROT HEAD & DRIVE BUSHING.
11:00 - 12:30	1.50	DRLPRO	02	F	P	TAG CMT @ 2553, DRLG CMT, FLOAT, SHOE
12:30 - 13:00	0.50	DRLPRO	09	A	P	WL SURVEY 1.15 DEG @ 2583'
13:00 - 16:00	3.00	DRLPRO	02	B	P	ROTARY SPUD @ 1300 HRS 06/02/2008, DRILLING F/ 2640 - 2898=258=86 8.4 / 26

Wins No.: 94961

NBU 921-17K

API No.: 4304739363

13:00 - 16:00	3.00	DRLPRO	02	B	P	ROTARY SPUD @ 1300 HRS 06/02/2008, DRILLING F/ 2640 - 2898=258=86 8.4 / 26
16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SERVICE
16:30 - 19:30	3.00	DRLPRO	02	B	P	DRILLING 2898 - 3119=221=73.6 8.4 / 26
19:30 - 20:00	0.50	DRLPRO	09	A	P	WL SURVEY 1.85 DEG @ 3044'
20:00 - 0:00	4.00	DRLPRO	02	B	P	DRILLING 3119 - 3440=321=80.2 8.5 / 29

6/3/2008

SUPERVISOR: JIM MURRAY

MD: 4,685

0:00 - 3:00	3.00	DRLPRO	02	B	P	DRILLING 3440 - 3625=185=61.6 8.6 / 30
3:00 - 3:30	0.50	DRLPRO	09	A	P	WL SURVEY 2.55 DEG @ 3550'
3:30 - 13:30	10.00	DRLPRO	02	B	P	DRILLING 3625 - 4100=425=47.5 8.6 / 32
13:30 - 14:00	0.50	DRLPRO	06	A	P	RIG SERVICE
14:00 - 14:30	0.50	DRLPRO	02	B	P	DRILLING 4100 - 4130
14:30 - 15:00	0.50	DRLPRO	09	A	P	WL SURVEY 2.72 DEG @ 4056'
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILLING - 4130 - 4685=585=61.6 9.1 / 33

6/4/2008

SUPERVISOR: JIM MURRAY

MD: 5,780

0:00 - 5:00	5.00	DRLPRO	02	B	P	DRILLING 4685 - 4923=238=47.6 9.1 / 34
5:00 - 5:30	0.50	DRLPRO	09	A	P	WL SURVEY 1.54 DEG @ 4848'
5:30 - 14:30	9.00	DRLPRO	02	B	P	DRILLING 4923 - 5334=411=45.6 9.4 / 34
14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE
15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILLING 5334 - 5780=446=49.5 9.7 / 34

6/5/2008

SUPERVISOR: JIM MURRAY

MD: 6,430

0:00 - 9:30	9.50	DRLPRO	02	B	P	DRILLING 5780 - 6156=376=39.5 9.7 / 35
9:30 - 10:30	1.00	DRLPRO	04	C	P	CIRC F/ BIT TRIP, MIX & PUMP SLUG

Wins No.: 94961

NBU 921-17K

API No.: 4304739363

	9:30 - 10:30	1.00	DRLPRO	04	C	P	CIRC F/ BIT TRIP,MIX & PUMP SLUG	
	10:30 - 13:30	3.00	DRLPRO	05	A	P	TOH,FUNCT TEST BOP'S,CK M MTR,CHANGE BITS	
	13:30 - 17:00	3.50	DRLPRO	05	A	P	TIH TO 2600' BREAK CIRC,CIH,HAVING TROUBLE W/ HIGH CLUTCH GETTING HOT, LAST 5 STDS,KELLY UP & CIRC	
	17:00 - 19:30	2.50	DRLPRO	07	A	S	PULL GUARDS,FOUND BOLTS HOLDING BEARING HOUSING BETWEEN HIGH CLUTCH,& HYDROMATIC SPROCKETS, LOOSE,TIGHTEN BOLTS,REPLACE GUARDS,WASH 75 ' TO BTM	
	19:30 - 0:00	4.50	DRLPRO	02	B	P	DRILLING 6156 - 6430=274=60,8 10.1 / 35	
6/6/2008	<u>SUPERVISOR:</u> JIM MURRAY							<u>MD:</u> 7,490
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILLING 6430 - 7138=708=50.5 10.7 / 38	
	14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE	
	14:30 - 0:00	9.50	DRLPRO	02	B	P	DRILLING 7136 - 7490=354=37.2 10.7 / 38	
6/7/2008	<u>SUPERVISOR:</u> JIM MURRAY							<u>MD:</u> 8,087
	0:00 - 14:00	14.00	DRLPRO	02	B	P	DRILLING 7490 - 7991=501=35.7 10.6 / 37	
	14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE	
	14:30 - 21:00	6.50	DRLPRO	02	B	P	DRILLING 7991 - 8087=96=14.7 10.7 / 36	
	21:00 - 22:00	1.00	DRLPRO	04	C	P	CBU F/ BIT TRIP	
	22:00 - 0:00	2.00	DRLPRO	05	A	P	PUMP SLUG ,DROP SURVEY,TOH	
6/8/2008	<u>SUPERVISOR:</u> JIM MURRAY							<u>MD:</u> 8,387
	0:00 - 2:00	2.00	DRLPRO	05	A	P	FINISH TOH, CHANGE M MTR & BIT	
	2:00 - 6:00	4.00	DRLPRO	05	A	P	TIH TO 3900' BREAK CIRC,CIH	
	6:00 - 7:00	1.00	DRLPRO	03	B	P	W & R 75' TO BTM 15' FILL	
	7:00 - 14:00	7.00	DRLPRO	02	B	P	DRILLING W/ LIGHT BIT WT DUE TO DEVIATION DRILL F/ 8087 - 8213=126=18 10.8 / 39	
	14:00 - 14:30	0.50	DRLPRO	06	A	P	RIG SERVICE	

Wins No.: 94961

NBU 921-17K

API No.: 4304739363

	14:30 - 15:00	0.50	DRLPRO	09	A	P	WL SURVEY 8.84 DEG @ 8138'
	15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILLING 8213 - 8387=175=19.4 10.8 / 38
6/9/2008	<u>SUPERVISOR:</u> JIM MURRAY						<u>MD:</u> 8,942
	0:00 - 6:30	6.50	DRLPRO	02	B	P	DRILLING 8387-8498=111=17.0 10.9 / 38
	6:30 - 7:30	1.00	DRLPRO	09	A	P	CIRC & WL SURVEY 7.10 DEG @ 8423
	7:30 - 16:00	8.50	DRLPRO	02	B	P	DRILLING 8498-8688=190=22.3 11.0 / 39
	16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SERVICE
	16:30 - 0:00	7.50	DRLPRO	02	B	P	DRILLING 8688-8942=254=33.8 11.4 / 41
6/10/2008	<u>SUPERVISOR:</u> JIM MURRAY						<u>MD:</u> 9,550
	0:00 - 0:30	0.50	DRLPRO	02	B	P	DRILLING 8942-8973
	0:30 - 1:30	1.00	DRLPRO	09	A	P	CIRC & SURVEY 4.94 DEG @ 8897
	1:30 - 16:30	15.00	DRLPRO	02	B	P	DRILLING 8973 - 9352=379=25.2 11.5 / 41
	16:30 - 17:00	0.50	DRLPRO	06	A	P	RIG SERVICE
	17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILLING 9352 - 9550=198=28.2 11.6 / 41
6/11/2008	<u>SUPERVISOR:</u> RON SJOSTROM						<u>MD:</u> 9,953
	0:00 - 14:30	14.50	DRLPRO	02	B	P	DRILLING 9550-9858 = 308' = 21.2 FPH, MW 11.8 / 43
	14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	B	P	DRILLING 9858-9953 = 95' = 10.5 FPH, MW 11.9 / 41
6/12/2008	<u>SUPERVISOR:</u> RON SJOSTROM						<u>MD:</u> 10,052
	0:00 - 13:30	13.50	DRLPRO	02	B	P	DRILLING 9953-10052 = 99' = 7.3 FPH, MW 12.0 40
	13:30 - 14:00	0.50	DRLPRO	04	C	P	CCH, PUMP SLUG, DROP SURVEY
	14:00 - 20:30	6.50	DRLPRO	05	A	P	TRIP OUT FOR NEW BIT

Wins No.: 94961

NBU 921-17K

API No.: 4304739363

	14:00 - 20:30	6.50	DRLPRO	05	A	P	TRIP OUT FOR NEW BIT	
	20:30 - 22:30	2.00	DRLPRO	05	A	P	M/U BIT #4, TRIP IN TO SHOE	
	22:30 - 0:00	1.50	DRLPRO	06	D	P	FILL PIPE, SLIP & CUT DRILLING LINE 110', ADJUST BRAKES	
6/13/2008	SUPERVISOR: RON SJOSTROM							MD: 10,300
	0:00 - 0:30	0.50	DRLPRO	06	D	P	SLIP & CUT DRLG LINE, ADJUST BRAKES	
	0:30 - 1:30	1.00	DRLPRO	07	A	Z	FIX LEAK ON DRAWWORKS BRAKE FLANGE	
	1:30 - 4:00	2.50	DRLPRO	05	A	P	TRIP IN TO 6488-TAG BRIDGE	
	4:00 - 4:30	0.50	DRLPRO	03	E	X	WASH THROUGH BRIDGE + 25', RUN 2 JTS WITH KELLY-NO PUMP	
	4:30 - 6:30	2.00	DRLPRO	05	A	P	TRIP IN TO 9950	
	6:30 - 7:00	0.50	DRLPRO	03	E	P	WASH & REAM TO TD	
	7:00 - 14:30	7.50	DRLPRO	02	B	P	DRILLING 10052-10175, 123' = 16.4 FPH, MW 12.0 / 42	
	14:30 - 15:00	0.50	DRLPRO	06	A	P	RIG SERVICE	
	15:00 - 22:30	7.50	DRLPRO	02	B	P	DRILLING 10175-10300 TD, 125' = 16.6 FPH, MW 12 / 41	
	22:30 - 0:00	1.50	DRLPRO	04	C	P	CCH BOTTOM UP AT TD PRIOR TO WIPER TRIP	
6/14/2008	SUPERVISOR: RON SJOSTROM							MD: 10,300
	0:00 - 3:30	3.50	DRLPRO	05	E	P	WIPER TRIP TO 6400', HOLE GOOD	
	3:30 - 6:00	2.50	DRLPRO	04	G	P	CCH, LOST 200 BBL MUD, MIXING LCM, CCH TO LAY DOWN DRILL PIPE	
	6:00 - 15:30	9.50	DRLPRO	05	A	P	LAY DOWN DRILLSTRING	
	15:30 - 0:00	8.50	DRLPRO	08	A	P	RUN TRIPLE COMBO E-LOGS TO 10304, TOOL FAILURE WHILE LOGGING OUT, POOH & CHANGE TOOLS, RELOG UP FROM 8500	
6/15/2008	SUPERVISOR: RON SJOSTROM							MD: 10,300
	0:00 - 0:30	0.50	DRLPRO	08	A	P	FINISH TRIPLE COMBO RUN, R/D TOOLS	

Wins No.: 94961

NBU 921-17K

API No.: 4304739363

0:30 - 1:00	0.50	DRLPRO	11	A	P	R/U CASING EQUIPMENT, SAFETY MEETING
1:00 - 7:00	6.00	DRLPRO	11	B	P	RUN 244 JTS 4-1/2", 11.6# P-110 PRODUCTION CASING, SHOE @ 10278 RKB
7:00 - 9:00	2.00	DRLPRO	04	E	P	CIRCULATE HOLE FOR CEMENT JOB
9:00 - 11:00	2.00	DRLPRO	12	E	Z	CCH WHILE WAITING ON HALLIBURTON EQUIPMENT
11:00 - 14:30	3.50	DRLPRO	15	A	P	HOLD SAFETY MEETING WITH HALLIBURTON, TEST LINES, CEMENT PRODUCTION CASING WITH 10 BBL WATER, 20 BBL MUD FLUSH, 10 BBL WATER, 20sx SCAVENTER 9.5#, 10 BBL WATER, 545 SX LEAD 11.8#, 1300 SX TAIL 14.3#, 169 BBL DISPLACEMENT. LOST RETURNS BEFORE DROPPING PLUG, DISPLACE PLUG, BUMP WITH +500, FLOAT HOLDING. R/D HALLIBURTON
14:30 - 15:00	0.50	DRLPRO	11	B	P	SET CASING HANGER WITH 85000#, TEST SEALS-OKAY
15:00 - 18:00	3.00	DRLPRO	13	A	P	CLEAN MUD PITS, RELEASE RIG TO NBU 921-20M LOCATION 1800 HRS 6/15/08

EVENT INFORMATION:      EVENT ACTIVITY: COMPLETION      START DATE: 6/29/2008  
 OBJECTIVE: CONSTRUCTION      END DATE: 7/1/2008  
 OBJECTIVE 2:      DATE WELL STARTED PROD.:  
 REASON: SURF FACILITIES      Event End Status: COMPLETE

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

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
6/29/2008	SUPERVISOR: HAL BLANCHARD						MD:

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 7/21/2008  
 OBJECTIVE: DEVELOPMENT END DATE:  
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:  
 REASON: MV Event End Status:

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

GWS 1 / 1

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
7/21/2008	SUPERVISOR: DOUG CHIVERS						MD:
	6:00 - 6:30	0.50	COMP	48		P	HSM. ROADING RIG & RU
	6:30 - 17:00	10.50	COMP	31	H	P	ROAD RIG FROM NBU 1022-13M2CS TO NBU 921-17K. RU RIG & SPOT RIG EQUIPMENT. ND WELL HEAD NU BOP'S. PU 3 7/8" MILL & SUB DRIFT & TALLY 2 3/8" 4.7# L-80 TUBING. RIH W/ 321 JTS TAG PBTB @ 10,175'. RU RIG PMP TO CICR WELL CLEAN. SWI SDFN
7/22/2008	SUPERVISOR: DOUG CHIVERS						MD:
	7:00 - 7:11	0.18	COMP	48		P	HSM, JSA
	7:11 - 17:00	9.82	COMP	31		P	OPEN WELL. POOH W/ 23/8 TBG & MILL. ND BOP. NU FRAC VALVES. FILL WELL. RU PRES TESTER & PRES TEST & CHART TO 7500 PSI. RD TESTER. RU CUTTERS. PERF STAGE 1#. 10074-78, 10100-02, 10112-14, 10134-36. 4SPF 40 HOLES. 23 GM, .36 HOLES. SWI.
7/23/2008	SUPERVISOR: DOUG CHIVERS						MD:
	7:00 - 7:15	0.25	COMP	36		P	HSM / SLICKWATER FRAC
	7:15 - 18:00	10.75	COMP	36		P	RU WEATHERFORD & CUTTERS.  STAGE 1# PERFS 10074-10136. BROKE @ 4288, IR 50, IP 5200, ISIP 3014, FG .73, MP 6647, MR 51.5, AP 4888, AR 50.3, FG .75, ISIP 3232, NPI 208, CLEAN 2093 BBLs, SAND 70340#, 5325 RESIN.  STAGE 2# SET CBP @ 10036'. PERF 9934-36, 9954-56, 9964-66, 9982-84, 10004-06, 4 SPF, 40 HOLES. BROKE @ 2825, IR 50, IP 5250, ISIP 2387, FG .67, MP 5906, MR 51, AP 5397, AR 50.6, FG .84, ISIP 4063, NPI 1674, CLEAN 2772 BBLs, SAND 102,000#, 5325# RESIN.  STAGE 3# SET CBP @ 9866'. PERF 9714-16, 9732-34, 9738-40, 9804-06, 9834-36, 4 SPF, 40 HOLES. BROKE @ 3504, IR 50, IP 5100, ISIP 1706, FG .61, MP 5585, MR 51.5, AP 5128, AR 50.7, FG .76, ISIP 3221, NPI 1515, CLEAN 901 BBLs, SAND 28,400#, 5325# RESIN.  STAGE 4# SET CBP @ 9606. PERF 9386-88, 9426-28, 9470-72, 9532-34, 9568-70, 9575-76, 4 SPF, 44 HOLES. BROKE @ 4901, IR 50, IP 4849, ISIP 3162, FG .76, MP 5165, MR 51.3, AP 4508, AR 50.8, FG .75, ISIP 3054, NPI -108, CLEAN 2721 BBLs, SAND 102,000#, 5325# RESIN.  STAGE 5# SET CBP @ 9352', PERF 9126-28, 9154-56, 9234-36, 9308-10, 9320-22, 4SPF, 40 HOLES. BROKE @ 3567, IR 50, IP 5280, ISIP 3276, FG .79, MP 6020, MR 50.9, AP 5087, AR 50.6, FG .78, ISIP 3205, NPI -71, CLEAN 1145 BBLs, SAND 39,220#, 5,325# RESIN.  STAGE 6# RIH SET CBP @ 9012'. PERF 8730-31, 8748-50', 8808-10', 8851-53', 8910-12', 8980-82. 4 SPF, 44 HOLES. SWI
7/24/2008	SUPERVISOR: DOUG CHIVERS						MD:
	7:00 - 7:15	0.25	COMP	48	B	P	HSM

Wins No.: 94961

NBU 921-17K

API No.: 4304739363

	7:15 - 17:00	9.75	COMP	31	P	<p>STAGE 6# PERFS 8730-8982. BROKE @ 4091, IR 50, IP 4836, ISIP 2431, FG .71, MP 5243, MR 50.8, AP 4599, AR 50.5, FG .77, ISIP 2957, NPI 528, CLEAN 4460, SAND 185,000#, 5325# RESIN.</p> <p>STAGE 7# SET CBP @ 8638'. PERF 8510-12', 8534-36', 8572-74', 8594-96', 8606-08', 4 SPF, 40 HOLES. BROKE @ 2682, IR 50, IP 4285, ISIP 2410, FG .71, MP 4589, MR 51.1, AP 4145, AR 50.9, FG .75, ISIP 2728, NPI 318, CLEAN 3742 BBLs, SAND 125,750#, 5325# RESIN.</p> <p>TOTALS = CLEAN 17,834 BBLs, SAND 652,710#.</p> <p>SET TOP KILL CBP @ 8460'. RD CUTTERS &amp; WEATHERFORD. ND FRAC VALVES, NU BOP. PU 37/8" BIT,POBS, X-NIPPLE. RIH W/ 23/8" L-80 TBG TO CBP @ 8460'. RU DRILL EQUIP, PREPTO DRILL. SWI</p>
7/25/2008	<u>SUPERVISOR:</u> DOUG CHIVERS					<u>MD:</u>
	7:00 - 7:15	0.25	COMP	48	P	HSM
	7:15 - 17:00	9.75	COMP	31	P	<p>7:AM OPEN WELL. BROKE CONV CIR. RIH, DRILL 1# CBP @ 8460,600 PSI INC. RIH, TAG @ 8608', 30' SAND. DRILL DOWN TO 2# CBP. DRILL UP CBP, 600 PSI DIF INC. RIH , TAG @ 8972, 30' SAND. DRILL DOWN TO 3# CBP @ 9012'. DRILL UP CBP. RIH, TAG @ 9338', 14' SAND. DRILL DOWN TO 4# CBP @ 9352'. DRILL UP CBP. 300 PSI DIF INC. RIH, TAG @ 9576'. DRILL DOWN TO 5# CBP @ 9606'.DRILL UP CBP. 500 PSI DIFF INC. RIH, TAG @ 9836', 30' SAND. DRILL DOWN TO 6# CBP @ 9866'. DRILL UP CBP. RIH, TAG @ 10006. 30' SAND. DRILL DOWN TO 7# @ 10036'. DRILL UP CBP. NO PRES INC. RIH CLEANOUT TO PBTD @ 10175'. CIR WELL CLEAN. POOH LD EXCESS TBG. 312 JTS IN WELL, LAND TBG. EOT 9903.41. ND BOP, NU WELLHEAD. DROP BALL POBS.PUT WELL FLOWING TO PIT.</p>
7/26/2008	<u>SUPERVISOR:</u> DOUG CHIVERS					<u>MD:</u>
	7:00 -			33	A	<p>7 AM FLBK REPORT: CP 1650#, TP 1850#, 18/64" CK, 40 BWPB, TRACE SAND, - GAS TTL BBLs RECOVERED: 679 BBLs LEFT TO RECOVER: 17155</p>
7/27/2008	<u>SUPERVISOR:</u> DOUG CHIVERS					<u>MD:</u>
	7:00 -			33	A	<p>7 AM FLBK REPORT: CP 1775#, TP 1975#, 18/64" CK, 38 BWPB, TRACE SAND, - GAS TTL BBLs RECOVERED: 1619 BBLs LEFT TO RECOVER: 16215</p>
7/28/2008	<u>SUPERVISOR:</u> DOUG CHIVERS					<u>MD:</u>
	7:00 -			33	A	<p>7 AM FLBK REPORT: CP 1950#, TP 2250#, 20/64" CK, 40 BWPB, TRACE SAND, 1.8M GAS TTL BBLs RECOVERED: 2579 BBLs LEFT TO RECOVER: 15255</p>

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No.  
UTU-0575

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

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

8. Lease Name and Well No.  
NBU 921-17K

9. API Well No.  
4304739363

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

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

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

4. Location of Well (Report locations clearly and in accordance with Federal requirements)\*  
At surface NE/SW 2147'FSL, 1635'FWL

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. Sec., T., R., M., or Block and Survey or Area SEC. 17, T9S, R21E

12. County or Parish UINTAH 13. State UTAH

At top prod. interval reported below

At total depth

14. Date Spudded  
05/05/08

15. Date T.D. Reached  
06/13/08

16. Date Completed  
 D & A  Ready to Prod.  
07/27/08

17. Elevations (DF, RKB, RT, GL)\*  
4830'GL

18. Total Depth: MD 10.300'  
TVD

19. Plug Back T.D.: MD 10.175'  
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)

CBL-CCL-GR, HAZ/SD/OSN

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#		2640'		665 SX			
7 7/8"	4 1/2"	11.6#		10,300'		1845 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"	9903'							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	8510'	10,136'	8510'-10,136'	0.36	288	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and type of Material
8510'-10,136'	PMP 17,834 BBLs SLICK H2O & 652,710# 30/50 SD

RECEIVED

AUG 20 2008

DIV. OF OIL, GAS & MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/27/08	08/01/08	24	→	0	3,142	528			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
20/64	1436#	1800#	→	0	3142	528			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. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
			→						

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

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
GREENRIVER	1729'				
MAHOGANY	2549'				
WASATCH	5155'	8202'			
MESAVERDE	8227'	10,204'			

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 REGULATORY ANALYST  
 Signature  Date 08/19/08

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-0575

6. If Indian, Allottee or Tribe Name  
TRIBAL SURFACE

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

1. Type of Well

Oil Well     Gas Well     Other

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

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

8. Well Name and No.  
NBU 921-17K

9. API Well No.  
4304739363

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

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

10. Field and Pool or Exploratory Area  
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
NE/SW SEC. 17, T9S, R21E 2147FSL, 1635FWL

11. Country or Parish, State  
UINTAH COUNTY, UTAH

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

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

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

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

PLEASE REFER TO THE ATTACHED RECOMPLETION PROCEDURE.

**COPY SENT TO OPERATOR**

Date: 3.30.2009

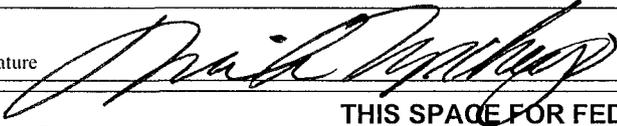
Initials: KS

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

Name (Printed/Typed)  
SHEILA UPCHEGO

Title REGULATORY ANALYST

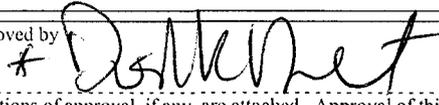
Signature



Date 03/19/2009

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

Approved by



Title

Pet-Eng.

Date

3/26/09

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

Office

DOG m

**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.

**MAR 23 2009**

(Instructions on page 2)

\*Cause 173-14

**Name:** NBU 921-17K  
**Location:** NESW 17 9S 21E  
 Uintah County, UT  
**Date:** 3/16/09

**ELEVATIONS:** 4830 GL 4848 KB

**TOTAL DEPTH:** 10300 **PBTD:** 10217  
**SURFACE CASING:** 9 5/8", 36# J-55 ST&C @ 2622'  
**PRODUCTION CASING:** 4 1/2", 11.6#, I-80 LT&C @ 10261'  
 Marker Joint 5165' - 5144'

**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:**

1729' Green River  
 2022' Birds Nest  
 2549' Mahogany  
 5155' Wasatch  
 8227' Mesaverde

CBL indicates good cement below 4500'

**GENERAL:**

- A minimum of **15** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 6/14/08
- **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 @~9903
- Originally completed on 7/23/08

**Existing Perforations:**

<b>PERFORATIONS</b>							
<b>Formation</b>	<b>Zone</b>	<b>Top</b>	<b>Btm</b>	<b>spf</b>	<b>Shots</b>	<b>Date</b>	<b>Reason</b>
MESA VERDE		8510	8512	4	8	07/23/2008	PRODUCTION
MESA VERDE		8534	8536	4	8	07/23/2008	PRODUCTION
MESA VERDE		8572	8574	4	8	07/23/2008	PRODUCTION
MESA VERDE		8594	8598	4	16	07/23/2008	PRODUCTION
MESA VERDE		8606	8608	4	8	07/23/2008	PRODUCTION
MESA VERDE		8730	8731	4	4	07/23/2008	PRODUCTION
MESA VERDE		8748	8750	4	8	07/23/2008	PRODUCTION
MESA VERDE		8809	8910	4	404	07/23/2008	PRODUCTION
MESA VERDE		8851	8853	4	8	07/23/2008	PRODUCTION
MESA VERDE		8910	8912	4	8	07/23/2008	PRODUCTION
MESA VERDE		8980	8982	4	8	07/23/2008	PRODUCTION
MESA VERDE		9126	9128	4	8	07/23/2008	PRODUCTION
MESA VERDE		9154	9156	4	8	07/23/2008	PRODUCTION
MESA VERDE		9234	9236	4	8	07/23/2008	PRODUCTION
MESA VERDE		9308	9310	4	8	07/23/2008	PRODUCTION
MESA VERDE		9320	9322	4	8	07/23/2008	PRODUCTION
MESA VERDE		9386	9388	4	8	07/23/2008	PRODUCTION
MESA VERDE		9426	9428	4	8	07/23/2008	PRODUCTION
MESA VERDE		9470	9472	4	8	07/23/2008	PRODUCTION
MESA VERDE		9532	9534	4	8	07/23/2008	PRODUCTION
MESA VERDE		9568	9570	4	8	07/23/2008	PRODUCTION
MESA VERDE		9575	9576	4	4	07/23/2008	PRODUCTION
MESA VERDE		9714	9716	4	8	07/23/2008	PRODUCTION
MESA VERDE		9732	9734	4	8	07/23/2008	PRODUCTION
MESA VERDE		9738	9740	4	8	07/23/2008	PRODUCTION
MESA VERDE		9804	9806	4	8	07/23/2008	PRODUCTION
MESA VERDE		9834	9836	4	8	07/23/2008	PRODUCTION
MESA VERDE		9934	9936	4	8	07/23/2008	PRODUCTION
MESA VERDE		9954	9956	4	8	07/23/2008	PRODUCTION
MESA VERDE		9964	9966	4	8	07/23/2008	PRODUCTION
MESA VERDE		9982	9984	4	8	07/23/2008	PRODUCTION
MESA VERDE		10004	10006	4	8	07/23/2008	PRODUCTION
MESA VERDE		10074	10078	4	16	07/23/2008	PRODUCTION
MESA VERDE		10100	10102	4	8	07/23/2008	PRODUCTION
MESA VERDE		10112	10114	4	8	07/23/2008	PRODUCTION
MESA VERDE		10134	10136	4	8	07/23/2008	PRODUCTION

**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 ~9903'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 8492' (50' below proposed CBP). Otherwise P/U a mill and C/O to 8492' (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 8452'. Pressure test BOP and casing to 6000 psi. .
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
MESAVERDE	8246	8252	3	18
MESAVERDE	8346	8350	3	12
MESAVERDE	8418	8422	3	12
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 ~8196' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~6546'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
 

Zone	From	To	spf	# of shots
WASATCH	6466	6470	4	16
WASATCH	6510	6516	4	24
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~6416' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~6310'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	6068	6072	4	16
WASATCH	6172	6176	3	12
WASATCH	6276	6280	3	12
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6018' trickle 250gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~5592'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	5532	5540	3	24
WASATCH	5556	5562	3	18
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5482' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
13. Set 8000 psi CBP at ~5256'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
 

Zone	From	To	spf	# of shots
WASATCH	5216	5226	4	40
14. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~5166' and flush only with recycled water.

15. Set 8000 psi CBP at~5166'.
16. TIH with 3 7/8" mill, pump off sub, SN and tubing.
17. Mill ALL plugs and clean out to PBTD at 10217. Land tubing at ±9903' 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:**

Stage 4 is a Juggernaut. Consider gel job or higher sand conc. with slickwater.

Fracturing Schedules  
 Name NBU 921-17K  
 Slickwater Frac

3899 9034  
 92 8310333

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	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.																
1	MESAVERDE	8246	8252	3	18	Varied	Pump-in test			Slickwater	0	0							
	MESAVERDE	no perfs					0 ISIP and 5 min ISIP												43
	MESAVERDE	8346	8350	3	12		50 Slickwater Pad			Slickwater	133	133	15.0%	0.0%	0	0		17	
	MESAVERDE	no perfs					50 Slickwater Ramp	0.25	1.25	Slickwater	443	576	50.0%	39.7%	13,969	13,969		28	
	MESAVERDE	8418	8422	3	12		50 Slickwater Ramp	1.25		Slickwater	310	887	35.0%	60.3%	21,186	35,155		0	
	MESAVERDE						50 Flush (4-1/2")			Slickwater	127	1,014				35,155		43	
	MESAVERDE						ISDP and 5 min ISDP											130	
		# of Perfs/stage			42	21.1	<< Above pump time (min)				Flush depth	8196	gal/ft	25,000	23,594	lbs sand/ft	1,650		
2	WASATCH	6466	6470	4	16	Varied	Pump-in test			Slickwater	0	0							
	WASATCH	6510	6516	4	24		0 ISIP and 5 min ISIP												
	WASATCH						40 Slickwater Pad			Slickwater	29	29	15.0%	0.0%	0	0		4	
	WASATCH						40 Slickwater Ramp	0.25	1.5	Slickwater	95	124	50.0%	35.7%	3,500	3,500		6	
	WASATCH						40 Slickwater Ramp	1.5		Slickwater	67	190	35.0%	64.3%	6,300	9,800		0	
	WASATCH						40 Flush (4-1/2")			Slickwater	100	290				9,800		41	
	WASATCH						ISDP and 5 min ISDP											51	
		# of Perfs/stage			40	LOOK					Flush depth	6416	gal/ft	25,000	30,625	lbs sand/ft	106		
3	WASATCH	6069	6072	4	16	Varied	Pump-in test			Slickwater	0	0							
	WASATCH	no perfs					0 ISIP and 5 min ISIP												
	WASATCH	6172	6176	3	12		50 Slickwater Pad			Slickwater	82	82	15.0%	0.0%	0	0		10	
	WASATCH	no perfs					50 Slickwater Ramp	0.25	1.5	Slickwater	274	356	50.0%	35.7%	10,063	10,063		17	
	WASATCH	6276	6280	3	12		50 Slickwater Ramp	1.5		Slickwater	192	548	35.0%	64.3%	18,113	28,175		0	
	WASATCH						50 Flush (4-1/2")			Slickwater	94	641				28,175		36	
	WASATCH						ISDP and 5 min ISDP											64	
		# of Perfs/stage			40	Flush depth	6018	gal/ft	25,000	30,625	lbs sand/ft	426							
4	WASATCH	5532	5540	3	24	Varied	Pump-in test			Slickwater	0	0							
	WASATCH	5566	5562	3	18		0 ISIP and 5 min ISIP												
	WASATCH						50 Slickwater Pad			Slickwater	562	562	15.0%	0.0%	0	0		71	
	WASATCH						50 Slickwater Ramp	0.25	1.5	Slickwater	1,672	2,434	50.0%	35.7%	68,797	68,797		118	
	WASATCH						50 Slickwater Ramp	1.5		Slickwater	1,310	3,744	35.0%	64.3%	123,634	192,631		0	
	WASATCH						50 Flush (4-1/2")			Slickwater	85	3,829				192,631		34	
	WASATCH						ISDP and 5 min ISDP											223	
		# of Perfs/stage			42	Flush depth	6482	gal/ft	25,000	30,625	lbs sand/ft	226							
5	WASATCH	5216	5226	4	40	Varied	Pump-in test			Slickwater	0	0							
	WASATCH						0 ISIP and 5 min ISIP												
	WASATCH						50 Slickwater Pad			Slickwater	35	35	15.0%	0.0%	0	0		4	
	WASATCH						50 Slickwater Ramp	0.25	1.5	Slickwater	116	151	50.0%	35.7%	4,266	4,266		7	
	WASATCH						50 Slickwater Ramp	1.5		Slickwater	81	232	35.0%	64.3%	7,678	11,944		0	
	WASATCH						50 Flush (4-1/2")			Slickwater	80	312				11,944		0	
	WASATCH						ISDP and 5 min ISDP											12	
		# of Perfs/stage			40	LOOK					Flush depth	6166	gal/ft	25,000	30,625	lbs sand/ft	0	LOOK	
		# of Perfs/stage			40	6.2	<< Above pump time (min)												
<b>Totals</b>											gals								
											bbls	6,084	bbls						
													13.6	tanks					
															Total Sand	277,705			
																	Total Scale Inhib. =	479	

Name NBU 921-17K  
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	8246	8252	3	18	8234	to	8265
	MESAVERDE		no perfs			8316.5	to	8321.5
	MESAVERDE	8348	8350	3	12	8340.5	to	8362.5
	MESAVERDE		no perfs			8405.5	to	8414
	MESAVERDE	8418	8422	3	12	8415.5	to	8435.5
	# of Perfs/stage				42	CBP DEPTH	6,546	
2	WASATCH	6466	6470	4	16	6462.5	to	6473
	WASATCH	6510	6516	4	24	6496.5	to	6521.5
		# of Perfs/stage			40	CBP DEPTH	6,310	
3	WASATCH	6068	6072	4	16	6065.5	to	6078.5
	WASATCH		no perfs			6153	to	6157
	WASATCH	6172	6176	3	12	6171.5	to	6179.5
	WASATCH		no perfs			6183.5	to	6191
	WASATCH	6276	6280	3	12	6267.5	to	6281.5
	# of Perfs/stage				40	CBP DEPTH	5,592	
4	WASATCH	5532	5540	3	24	5517.5	to	5566
	WASATCH	5556	5562	3	18	5517.5	to	5566
		# of Perfs/stage			42	CBP DEPTH	5,256	
5	WASATCH	5216	5226	4	40	5211	to	5229.5
		# of Perfs/stage			40	CBP DEPTH	5,166	

Stage	Zone	Perfs		SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	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.																	
1	MESAVERDE	8246	8252	3	18	Varied	Pump-in test			Slickwater	0	0								
	MESAVERDE	no perfs						0	ISIP and 5 min ISIP			Slickwater								43
	MESAVERDE	8346	8350			3	12	50	Slickwater Pad			Slickwater	133	133	15.0%	0.0%	0	0		17
	MESAVERDE	no perfs								50	Slickwater Ramp	0.25	1.25	Slickwater	443	576	50.0%	39.7%	13,969	13,969
	MESAVERDE	8418	8422			3	12	50	Slickwater Ramp	1.25	2	Slickwater	310	887	35.0%	60.3%	21,186	35,155		0
	MESAVERDE									50	Flush (4-1/2")			Slickwater	127	1,014				35,155
	MESAVERDE									ISDP and 5 min ISDP										
					# of Perfs/stage	42						Flush depth	8196	gal/ft	25,000	23,594	lbs sand/ft			
							21.1	<< Above pump time (min)					CBP depth	6,546		1,650				
2	WASATCH	6466	6470	4	16	Varied	Pump-in test			Slickwater	0	0								
	WASATCH	6510	6516			4	24	0	ISIP and 5 min ISIP			Slickwater								4
	WASATCH									40	Slickwater Pad			Slickwater	29	29	15.0%	0.0%	0	0
	WASATCH							40	Slickwater Ramp	0.25	1.5	Slickwater	95	124	50.0%	35.7%	3,500	3,500		0
	WASATCH							40	Slickwater Ramp	1.5	3	Slickwater	67	190	35.0%	64.3%	6,300	9,800		41
	WASATCH							40	Flush (4-1/2")			Slickwater	100	290				9,800		51
	WASATCH									ISDP and 5 min ISDP										
					# of Perfs/stage	40						LOOK		gal/ft	25,000	30,625	lbs sand/ft			
							7.3	<< Above pump time (min)					Flush depth	6416		6,310	106			
3	WASATCH	6068	6072	4	16	Varied	Pump-in test			Slickwater	0	0								
	WASATCH	no perfs						0	ISIP and 5 min ISIP			Slickwater								10
	WASATCH	6172	6176			3	12	50	Slickwater Pad			Slickwater	82	82	15.0%	0.0%	0	0		17
	WASATCH	no perfs								50	Slickwater Ramp	0.25	1.5	Slickwater	274	356	50.0%	35.7%	10,063	10,063
	WASATCH	6276	6280			3	12	50	Slickwater Ramp	1.5	3	Slickwater	192	548	35.0%	64.3%	18,113	28,175		36
	WASATCH									50	Flush (4-1/2")			Slickwater	94	641				28,175
	WASATCH									ISDP and 5 min ISDP										
					# of Perfs/stage	40						Flush depth	6018	gal/ft	25,000	30,625	lbs sand/ft			
							12.8	<< Above pump time (min)					CBP depth	5,592		426				
4	WASATCH	5532	5540	3	24	Varied	Pump-in test			Slickwater	0	0								
	WASATCH	5556	5562			3	18	0	ISIP and 5 min ISIP			Slickwater								71
	WASATCH									50	Slickwater Pad			Slickwater	562	562	15.0%	0.0%	0	0
	WASATCH							50	Slickwater Ramp	0.25	1.5	Slickwater	1,872	2,434	50.0%	35.7%	68,797	68,797		0
	WASATCH							50	Slickwater Ramp	1.5	3	Slickwater	1,310	3,744	35.0%	64.3%	123,834	192,631		34
	WASATCH							50	Flush (4-1/2")			Slickwater	85	3,829				192,631		223
	WASATCH									ISDP and 5 min ISDP										
					# of Perfs/stage	42						Flush depth	5482	gal/ft	25,000	30,625	lbs sand/ft			
							76.6	<< Above pump time (min)					CBP depth	5,256		226				
5	WASATCH	5216	5226	4	40	Varied	Pump-in test			Slickwater	0	0								
	WASATCH							0	ISIP and 5 min ISIP			Slickwater								4
	WASATCH							50	Slickwater Pad			Slickwater	35	35	15.0%	0.0%	0	0		7
	WASATCH							50	Slickwater Ramp	0.25	1.5	Slickwater	116	151	50.0%	35.7%	4,266	4,266		0
	WASATCH							50	Slickwater Ramp	1.5	3	Slickwater	81	232	35.0%	64.3%	7,678	11,944		0
	WASATCH							50	Flush (4-1/2")			Slickwater	80	312				11,944		12
	WASATCH									ISDP and 5 min ISDP										
					# of Perfs/stage	40						LOOK		gal/ft	25,000	30,625	lbs sand/ft			
							6.2	<< Above pump time (min)					Flush depth	5166		5,166	0	LOOK		
<b>Totals</b>											gals									
											bbls	6,084	bbls		Total Sand	277,705				
												13.5	tanks		Total Scale Inhib.	479				

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> UTU-0575
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 921-17K
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047393630000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 2147 FSL 1635 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESW Section: 17 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 7/24/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR HAS PERFORMED THE RECOMPLETION ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS RECOMPLETED THE NEWLY WASATCH AND MESAVERDE FORMATIONS. THE OPERATOR HAS COMMINGLED THE NEWLY WASATCH AND MESAVERDE FORMATIONS ALONG WITH THE EXISTING MESAVERDE FORMATION. THE OPERATOR HAS PLACED THE SUBJECT WELL LOCATION ON PRODUCTION ON 07/24/2009 AT 10:30 AM. PLEASE REFER TO THE ATTACHED RECOMPLETION CHRONOLOGICAL WELL HISTORY.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 August 11, 2009

<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/10/2009	

## ROCKIES

## Operation Summary Report

Well: NBU 921-17K		Spud Conductor: 5/5/2008		Spud Date: 5/6/2008	
Project: UTAH		Site: UINTAH			Rig Name No: MILES 2/2
Event: RECOMPLETION		Start Date: 7/6/2009		End Date: 7/22/2009	
Active Datum: RKB @4,848.00ft (above Mean Sea Level)			UWI: NBU 921-17K		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/15/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. ROADING RIG & EQUIPMENT
	7:30 - 15:00	7.50	COMP	30	A	P		RDMO RIG & ROAD TO NBU 921- 17K. SPOT IN EQUIPMENT. BLOW DOWN CASING & RETRIEVE PLUNGER. SWI SDFN
7/16/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. RIGGING UP PUMP & TRIPPING PIPE
	7:30 - 15:00	7.50	COMP	31	I	P		CFP 70 PSI TP 70. PUMP 40 BBLS DOWN CASING & 20 BBLS DOWN TBG. WELL DEAD. ND WELL HEAD NU BOP. PRESSURE TEST BOP'S 3,000 PSI. GOOD TEST. TUBING WAS STUCK PULLED 68,000 TBG STARTED TO MOVE. POOH W/ TBG WE WERE PULLING OVER 10,000 ALL THE WAY OUT. TUBING HAD NO SCALE BUT WAS COATED WITH FRAC SAND ONFIRST 24 STANDS. PU 3 7/8" MILL & SUB RIH TO 8,505'. DID NOT NOTICE ANYTIHING WELL BORE CLEAN. POOH W/ 48 JTS EOT @ 6,985'. SWI SDFN
7/17/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. TRIPPING PIPE JSA # 5
	7:30 - 15:00	7.50	COMP	37	C	P		SICP & SITP 650 PSI. BLEED WELL DOWN. PUMP 20 BBLS DOWN TUBING. POOH W/ TBG. MIRU CASED HOLE SOLUTIONS. PU 4 1/2" 10K HALIBURTON CBP. RIH SET CBP @ 8,452'. ND BOP NU FRAC VALVES. FILL CASING W/ 2% KCL WATER. MIRU B&C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 6,200 PSI. GOOD TEST. RDMO B&C QUICK TEST. PU 3 3/8" EXP GNS, 23 GRM, .36 HOLES 120 DEG PHASING. RIH PERF 8,418' - 22' 3 SPF, 8,364' - 50' 3 SPF, 8,246' - 52' 3 SPF. 42 HOLES. POOH W/ WIRE LINE. SWI SDFWE.
7/20/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, PERF AND FRAC. WATCH FOR LEAKS.
	7:30 - 8:12	0.70	COMP	36	E	P		MIRU SUPERIOR SERVICES. PRIME UP PUMP AND LINES, PRESSURE TEST TO 7500# PSI. ( STG 1 ) WHP 280 PSI, BRK @ 3044 PSI, @ 6.9 BPM, ISIP 2360 PSI, .FG .71. PUMPED 100 BBLS @ 50 BPM @ 4828 PSI = 84% PERFS OPEN. MP 5950 PSI, MR 54 BPM, AP 4778 PSI, AR 48 BPM, ISIP 2676 PSI, FG .75. NPI 316 PSI, PUMPED 1443 BBLS OF SW, & 46,135# 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 51,135 LBS.

## ROCKIES

## Operation Summary Report

Well: NBU 921-17K	Spud Conductor: 5/5/2008	Spud Date: 5/6/2008
Project: UTAH	Site: UINTAH	Rig Name No: MILES 2/2
Event: RECOMPLETION	Start Date: 7/6/2009	End Date: 7/22/2009
Active Datum: RKB @4,848.00ft (above Mean Sea Level)	UWI: NBU 921-17K	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	8:12 - 9:57	1.75	COMP	36	E	P		( STG 2 ) PU 41/2" HAL CBP & 3 1/8" EXP GUNS, 23 GRM, .36 HOLES, 90 DEG PHASING. SET 8K HAL CBP @ 6546', PERF W F/ 6510'-16' 4 SPF, 6466'-70' 4 SPF, 40 HOLES. WHP 85 PSI, BRK @ 1791 PSI, @ 5.2 BPM, ISIP 1452 PSI, .FG .66. PUMPED 100 BBLS @ 50.5 BPM @ 3430 PSI = 100% PERFS OPEN. MP 4224 PSI, MR 52 BPM, AP 3172 PSI, AR 50 BPM, ISIP 1280 PSI, FG .63. NPI -172 PSI, PUMPED 724 BBLS OF SW, & 18,068# 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 23,068 LBS.
	9:57 - 11:33	1.60	COMP	36	E	P		( STG 3 ) PU 41/2" HAL CBP & 3 1/8" EXP GUNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K HAL CBP @ 6310', PERF W F/ 6276'-80' 3 SPF, 6172'-76' 3 SPF, 6068'-72' 4 SPF, 40 HOLES WHP 186 PSI, BRK @ 2488 PSI, @ 5.2 BPM, ISIP 1482 PSI, .FG .67. PUMPED 100 BBLS @ 50.8 BPM @ 3377 PSI = 100% PERFS OPEN. MP 4807 PSI, MR 51 BPM, AP 3229 PSI, AR 50 BPM, ISIP 1481 PSI, FG .67. NPI -1 PSI, PUMPED 932 BBLS OF SW, & 27.435# 30/50 SND & 5,000# 20/40 RESIN SAND. TOTAL PROP 32,435 LBS.
	11:33 - 13:50	2.28	COMP	36	E			( STG 4 ) PU 41/2" HAL CBP & 3 1/8" EXP GUNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K HAL CBP @ 5592', PERF W F/ 5556'-62' 3 SPF, 5532'-40' 3SPF, 42 HOLES WHP 30 PSI, BRK @ 2215 PSI, @ 5.2 BPM, ISIP 885 PSI, .FG .59. PUMPED 100 BBLS @ 50.2 BPM @ 3182 PSI = 84% PERFS OPEN. MP 3654 PSI, MR 53 BPM, AP 2979 PSI, AR 50 BPM, ISIP 1804 PSI, FG .76. NPI -919 PSI, PUMPED 3511 BBLS OF SW, & 149,747# 30/50 SND & 6,000# 20/40 RESIN SAND. TOTAL PROP 155,747 LBS.
	13:50 - 15:06	1.27	COMP	36	E			( STG 5 ) PU 41/2" HAL CBP & 3 1/8" EXP GUNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K HAL CBP @ 5256', PERF W F/ 5216'-26' 4 SPF, 40 HOLES. WHP 330 PSI, BRK @ 1322 PSI, @ 5.1 BPM, ISIP 1064 PSI, .FG .64. PUMPED 100 BBLS @ 51.2 BPM @ 3427 PSI = 88% PERFS OPEN. MP 3433 PSI, MR 53 BPM, AP 3021 PSI, AR 50 BPM, ISIP 1652 PSI, FG .75. NPI -588 PSI, PUMPED 773 BBLS OF SW, & 18,500# 30/50 SND & 6,000# 20/40 RESIN SAND. TOTAL PROP 24,500 LBS.  TOTAL PROP 286,885 TOTAL WTR 7383 BBLS. SCALE INH, 632 GALS. BIOCIDE 58 GALS BIOCIDE POWDER 35# NO CHARGE.
	15:06 - 17:00	1.90	COMP					RIHN W/ 41/2 HAL 8K CBP & SET @ 5166' FOR KILL PLUG. POOH RD WL AND FRAC CREW.SWI SDFN.
7/21/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, TRIPPING TBG AND DRILLING UP CBPS.

## ROCKIES

## Operation Summary Report

Well: NBU 921-17K		Spud Conductor: 5/5/2008		Spud Date: 5/6/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 2/2	
Event: RECOMPLETION		Start Date: 7/6/2009		End Date: 7/22/2009	
Active Datum: RKB @4,848.00ft (above Mean Sea Level)			UWI: NBU 921-17K		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	31	I	P		<p>SICP 0 PSI, RIH W/ 37/8 BIT, POBS, 1.875 X/N, 163 JTS 23/8 L-80 TAG UP @ 6146'. HAD SOME TROUBLE W/ TBG THREADS GUALDING. BROKE CIRC CONVENTIONAL, W/ TREATED FRESH WTR.</p> <p>C/O 20' SAND TAG 1ST PLUG @ 5166', DRL PLUG IN 15 MIN, 200# INCREASE RIH.</p> <p>C/O 20' SAND TAG 2ND PLUG @ 5256', DRL PLUG IN 20 MIN, 300# INCREASE RIH.</p> <p>C/O 30' SAND TAG 3RD PLUG @ 5592', DRL PLUG IN 7 MIN, 100# INCRESAE RIH.</p> <p>C/O 30' SAND TAG 4TH PLUG @ 6310', DRL PLUG IN 8 MIN 200# INCREASE RIH.</p> <p>C/O 20' SAND TAG 5TH PLUG @ 6546', DRL PLUG IN 6 MIN 0# INCRESAE, CIRC WELL CLEAN, POOH TO EOT @ 5100' ABOVE PERFS, SWI SDFN</p>
7/22/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, CHECKING WELL FOR H2S, WORKING W/ POWER SWIVEL.
	7:30 - 18:30	11.00	COMP	31	I	P		<p>SICP 850# SITP 0#. RIH TAG UP @ 8363', RU SWIVEL.</p> <p>C/O 89' SAND TAG 6TH PLUG @ 8452', CIRC WELL CLEAN, DRL PLUG IN 5 MIN. LOST ALL PSI AND CIRCULATION. RIH TAG UP @ 10,047' BREAK CIRC W/ FOAM UNIT IN 45 MIN. C/O TO 10,176', HIT OLD POBS, CIRC CLEAN L/D 10 JTS &amp; STRING FLOAT. TOTAL 32 JTS OUT. RD SWIVEL. LAND TBG W/ 312 JTS 23/8 L-80 TBG IN. ND BOPS NU WH, DROP BALL, PUMP OFF BIT SUB, WAIT 30 MIN FOR BIT TO FALL TO BTM 1400 SICP TBG ON VAC. RU FOAM WELL AROUND. RDMOL. MIRU ON NBU 921-17J, SDFN.</p> <p>KB 18' 41/2 HANGER= .83' 312 JTS 23/8 L-80 = 9874.21' POBS = 2.20' EOT @ 9895.24' 1.875 X/N @ 9893.04'</p> <p>TWTR, 7943 BBLs TWR, 1920 BBLs TWLTR, 6023 BBLs</p>
7/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1000#, TP 1000#, 20/64" CK, 29 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 2443 BBLs LEFT TO RECOVER: 5000
7/24/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1550#, TP 850#, 20/64" CK, 21 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 3497 BBLs LEFT TO RECOVER: 4446
	10:30 -		PROD	50				WELL TURNED TO SALE @ 1030 HR ON 7/24/2009 - FTP 850#, CP 1500#, 1.6 MCFD, 18 BWPD, 20/64 CK

ROCKIES

Operation Summary Report

Well: NBU 921-17K		Spud Conductor: 5/5/2008		Spud Date: 5/6/2008	
Project: UTAH		Site: UINTAH		Rig Name No: MILES 2/2	
Event: RECOMPLETION		Start Date: 7/6/2009		End Date: 7/22/2009	
Active Datum: RKB @4,848.00ft (above Mean Sea Level)			UWI: NBU 921-17K		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1400#, TP 950#, 20/64" CK, 18 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 3938 BBLS LEFT TO RECOVER: 4005