

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**APPLICATION FOR PERMIT TO DRILL OR REENTER**

5. Lease Serial No. UTU-01196B	
6. If Indian, Allottee or Tribe Name N/A	
7. If Unit or CA Agreement, Name and No. Natural Buttes Unit	
8. Lease Name and Well No. NBU 1022-09D1T	
9. API Well No. 43047-39990	
1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER	10. Field and Pool, or Exploratory Natural Buttes
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone	11. Sec., T. R. M. or Blk. and Survey or Area Sec. 9, T 10S, R 22E NW NW
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP	12. County or Parish Uintah
3a. Address 1099 18th Street #1200, Denver, CO 80202	13. State UT
3b. Phone No. (include area code) 720.929.6226	14. Distance in miles and direction from nearest town or post office* Ouray, Utah 24.2 Miles
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 563' FNL & 869' FWL LAT 39.969192 LON -109.451144 At proposed prod. zone N/A 632335X 4425268Y 39.969105 -109.450452	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 563'	16. No. of acres in lease 320
17. Spacing Unit dedicated to this well 20	18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 2000'
19. Proposed Depth 8820'	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5113 GD	22. Approximate date work will start* ASAP
23. Estimated duration 10 days	

24. Attachments

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

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

25. Signature	Name (Printed/Typed) Kevin McIntyre	Date 03/31/2008
---------------	--	--------------------

Title Regulatory Analyst I	Name (Printed/Typed) BRADLEY G. HILL	Date 04-10-08
Approved by (Signature)	Office 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.

(Continued on page 2)

\*(Instructions on page 2)

**Federal Approval of this  
Action is Necessary**

RECEIVED

APR 04 2008

DIV. OF OIL, GAS & MINING



**NBU 1022-09D1T  
NWNW Sec. 9, T10S,R22E  
UINTAH COUNTY, UTAH  
UTU-01196B**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1060'
Wasatch	4282'
Mesa Verde	7705'
TD	8820'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	1060'
Gas	Wasatch	4282'
Gas	Mesaverde	7705'
Water	N/A	
Other Minerals	N/A	

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

*Please refer to the attached Drilling Program.*

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

*Please refer to the attached Drilling Program.*

**5. Drilling Fluids Program:**

*Please refer to the attached Drilling Program.*

**6. Evaluation Program:**

*Please refer to the attached Drilling Program.*

**7. Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8820' TD, approximately equals 3380 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 1940 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 refer to the attached Drilling Program.*

**10. Other Information:**

*Please refer to the attached Drilling Program.*

**NBU 1022-09D1T  
NWNW SEC 9-T10S-R22E  
UINTAH COUNTY, UTAH  
UTU-01196B**

**ONSHORE ORDER NO. 1**

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

**1. Existing Roads:**

Directions to the proposed location are attached.

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

All existing roads will be maintained and kept in good repair during all drilling and completion operations associated with this well.

**2. Planned Access Roads:**

The proposed access road is approximately 150' +/- . Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

**3. Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

**4. Location of Existing & Proposed Facilities:**

*The following guidelines will apply if the well is productive.*

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e., production tanks, produced water tanks, and/or heater/treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank, and be independent of the back cut.

All permanent (on-site six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the five state Rocky Mountain Inter-Agency Committee.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the placement of the proposed pipeline.

**Exceptions to Best Management Practices (BMPs) Requested:**

Approximately 6915' of 4" steel pipeline will be installed on surface within the access corridor for the well location. As a Best Management Practice (BMP), the pipeline would be buried within the access road corridor if possible. The construction of pipelines requires the corridor of 30 feet.

This exception to the BMP should be granted by the BLM Authorized Officer because indurated bedrock, such as sandstone, is at or within 2 feet of the surface and the soil type has a poor history for successful rehabilitation.

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

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Where available a 2" or 3" poly pipe will be installed with the existing rights-of-way to supply water during drilling and completion operations. There will be no new disturbance needed and the poly line will be removed after completion operations. The fresh water will be supplied from the power plant located within the following Sections 23, 24, 25, 26, 35, & 36, T8S, R23E.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

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

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

*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:**

None are anticipated.

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.

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

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

*Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring of the pit, the stockpiled topsoil will be spread evenly over the location up to the rig anchor points, the location shall be reshaped to the

original contour to the extent possible, and the location will be reseeded with Crested Wheatgrass using appropriate reclamation methods.

*Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

**11. Surface Ownership:**

United States of America  
Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435) 789-1362

**12. Other Information:**

A Class III archaeological survey and a paleontological survey have been completed and the reports will be submitted separately.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance. The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

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

**Seed Mixture:**

The following seed mixture will be used during interim reclamation:

Crested Wheatgrass      12 lb/acre

Operator will contact the BLM for the seed mixture when final reclamation of the location occurs.

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

Kevin McIntyre  
Regulatory Analyst  
Kerr-McGee Oil & Gas Onshore LP  
1099 18<sup>th</sup> Street #1200  
Denver, CO 80202  
(720) 929-6226

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

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

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

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

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond #CO-1203.

I hereby certify that the proposed drill site and access route has been inspected and 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.

  
\_\_\_\_\_  
Kevin McIntyre

March 31, 2008  
\_\_\_\_\_  
Date

Kerr-McGee Oil & Gas Onshore LP  
NBU #1022-O9D1T  
SECTION 9, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 7.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 248' TO THE BEGINNING OF THE PROPOSED ACCESS FOLLOW ROAD FLAGS SOUTHEASTERLY APPROXIMATELY 150' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 56.0 MILES.



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE March 31, 2008  
 WELL NAME NBU 1022-09D1T TD 8,820' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,113' GL KB 5,128'  
 SURFACE LOCATION 563' FNL & 869' FWL BHL Straight Hole  
 Latitude: 39.969192 Longitude: -109.451144  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.

LOGS	GEOLOGICAL FORMATION	TOPS	DEPTH	HOLE SIZE	MECHANICAL CASING SIZE	MUD WEIGHT
			40'		14"	
				12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
<p>Catch water sample, if possible, from 0 to 4,282'</p> <p style="margin-left: 100px;">Green River @ 1,060'</p> <p style="margin-left: 100px;">Top of Birds Nest Water @ 1,444'</p> <p style="margin-left: 100px;">Preset f/ GL @ 2,300' MD</p>						
				7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.5 ppg
<p>Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.</p> <p>Mud logging program TBD Open hole logging program f/ TD - surf csg</p> <p style="margin-left: 100px;">Mahogany @ 1,806'</p> <p style="margin-left: 100px;">Wasatch @ 4,282'</p> <p style="margin-left: 100px;">Mverde @ 7,705'</p> <p style="margin-left: 100px;">MVU2 @ 7,705'</p> <p style="margin-left: 100px;">MVL1 @ 8,264'</p> <p style="margin-left: 100px;">TD @ 8,820'</p> <p style="text-align: right;">Max anticipated Mud required 11.6 ppg</p>						



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

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2,300'	36.00	J-55	LTC	3520	2020	453000
						1.04	1.88	6.25
PRODUCTION	4-1/2"	0 to 8820	11.60	I-80	LTC	7780	6350	201000
						2.30	1.19	2.25

- 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 = 11.6 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 3380 psi

**CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>							
SURFACE Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + 25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,780'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	410	60%	11.00	3.38
	TAIL	5,040'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1410	60%	14.30	1.31

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

**FLOAT EQUIPMENT & CENTRALIZERS**

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

**ADDITIONAL INFORMATION**

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.  
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.  
 Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.  
 Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

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

**DRILLING SUPERINTENDENT:** \_\_\_\_\_  
 Randy Bayne

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

# Kerr-McGee Oil & Gas Onshore LP

NBU #1022-O9D1T

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 9, T10S, R22E, S.L.B.&M.

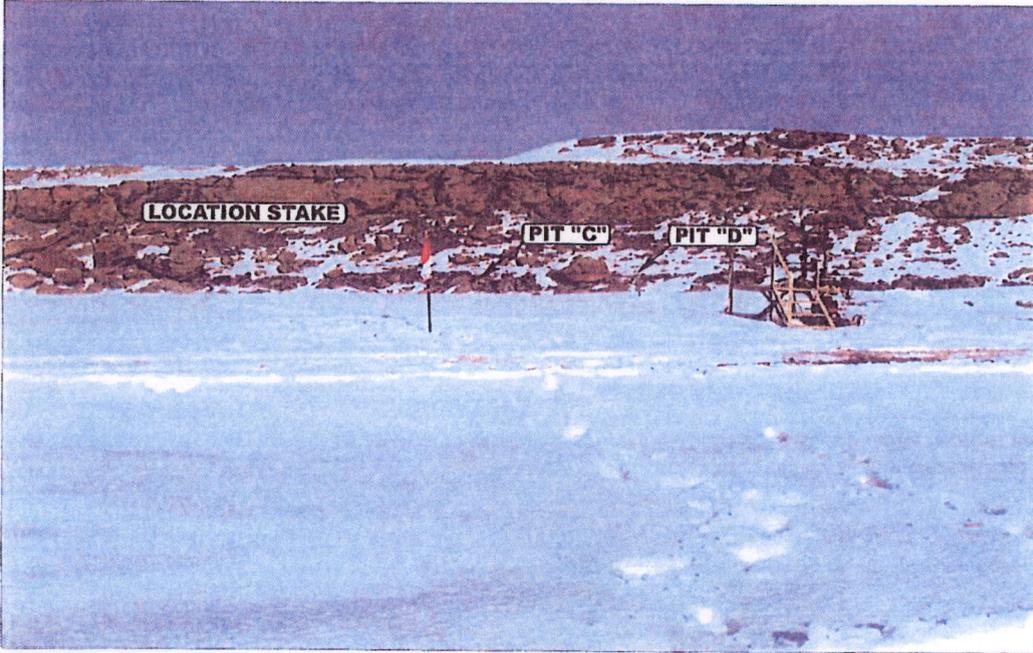


PHOTO: VIEW FROM LOCATION STAKE TOWARD PIT CORNERS C & D CAMERA ANGLE: NORTHEASTERLY

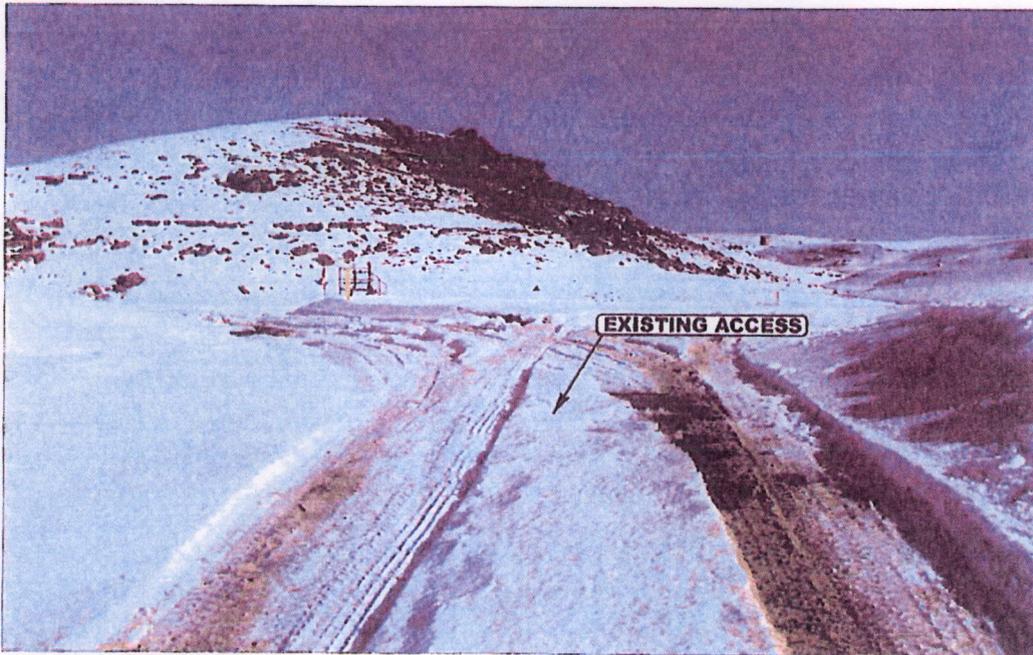


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHEASTERLY



UELS

Uintah Engineering & Land Surveying

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

Since 1964

LOCATION PHOTOS

2 27 08  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: GL.

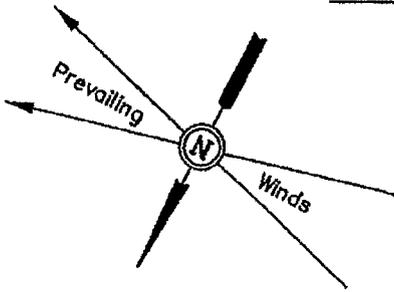
REVISED: 3-3-08

# Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

## LOCATION LAYOUT FOR

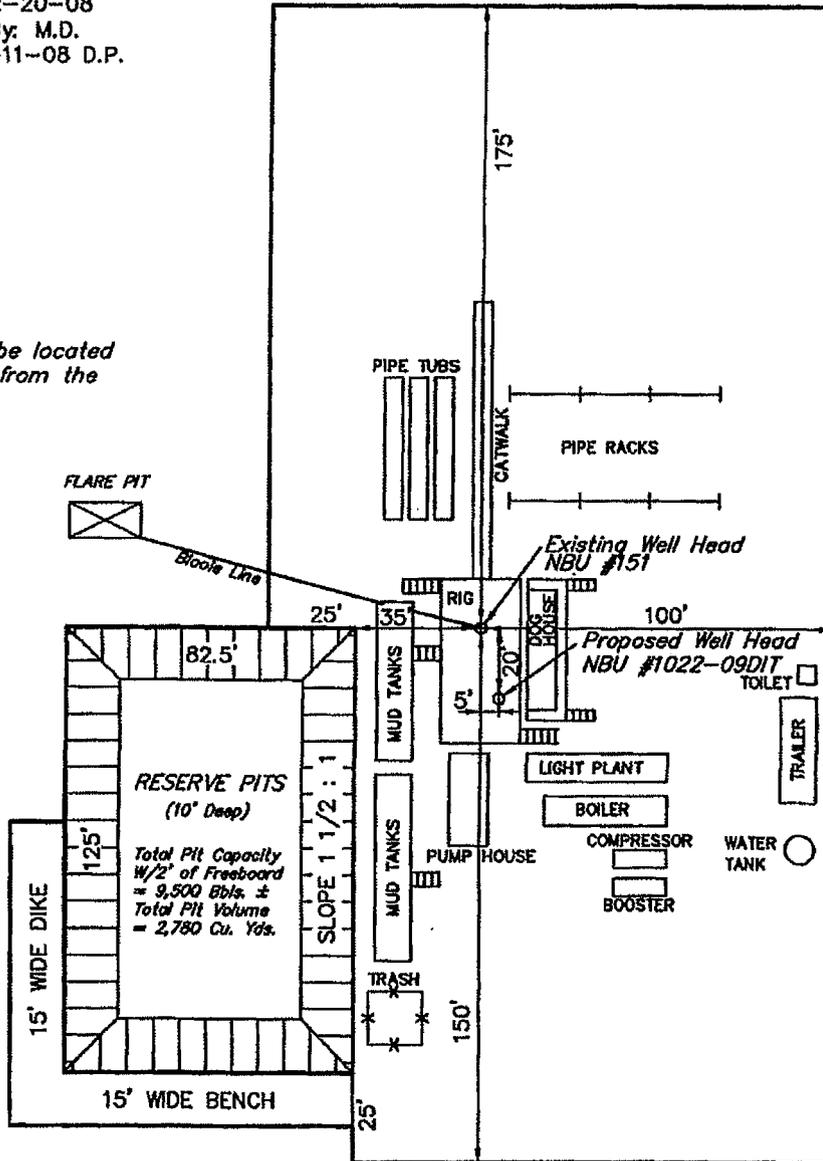
NBU #1022-09D1T  
SECTION 9, T10S, R22E, S.L.B.&M.  
563' FNL 869' FWL



SCALE: 1" = 50'  
DATE: 02-20-08  
Drawn By: M.D.  
Revised 03-11-08 D.P.

**NOTE:**

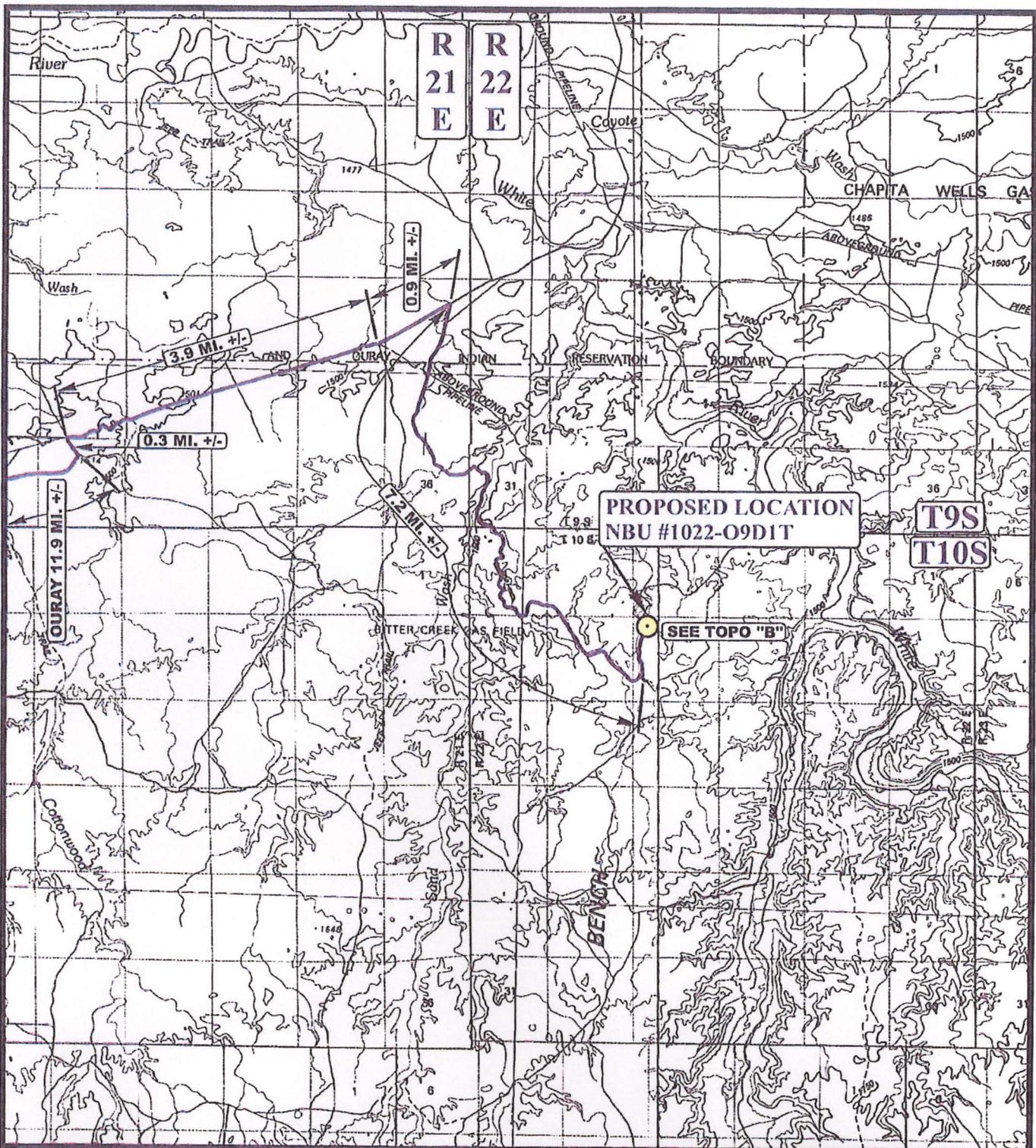
Flare Pit is to be located a min. of 100' from the Well Head.



**NOTES:**

Elev. as Shot Ground At Loc. Stake = 5112.60'

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



**PROPOSED LOCATION  
NBU #1022-09D1T**

**T9S  
T10S**

**SEE TOPO "B"**

**LEGEND:**

PROPOSED LOCATION

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

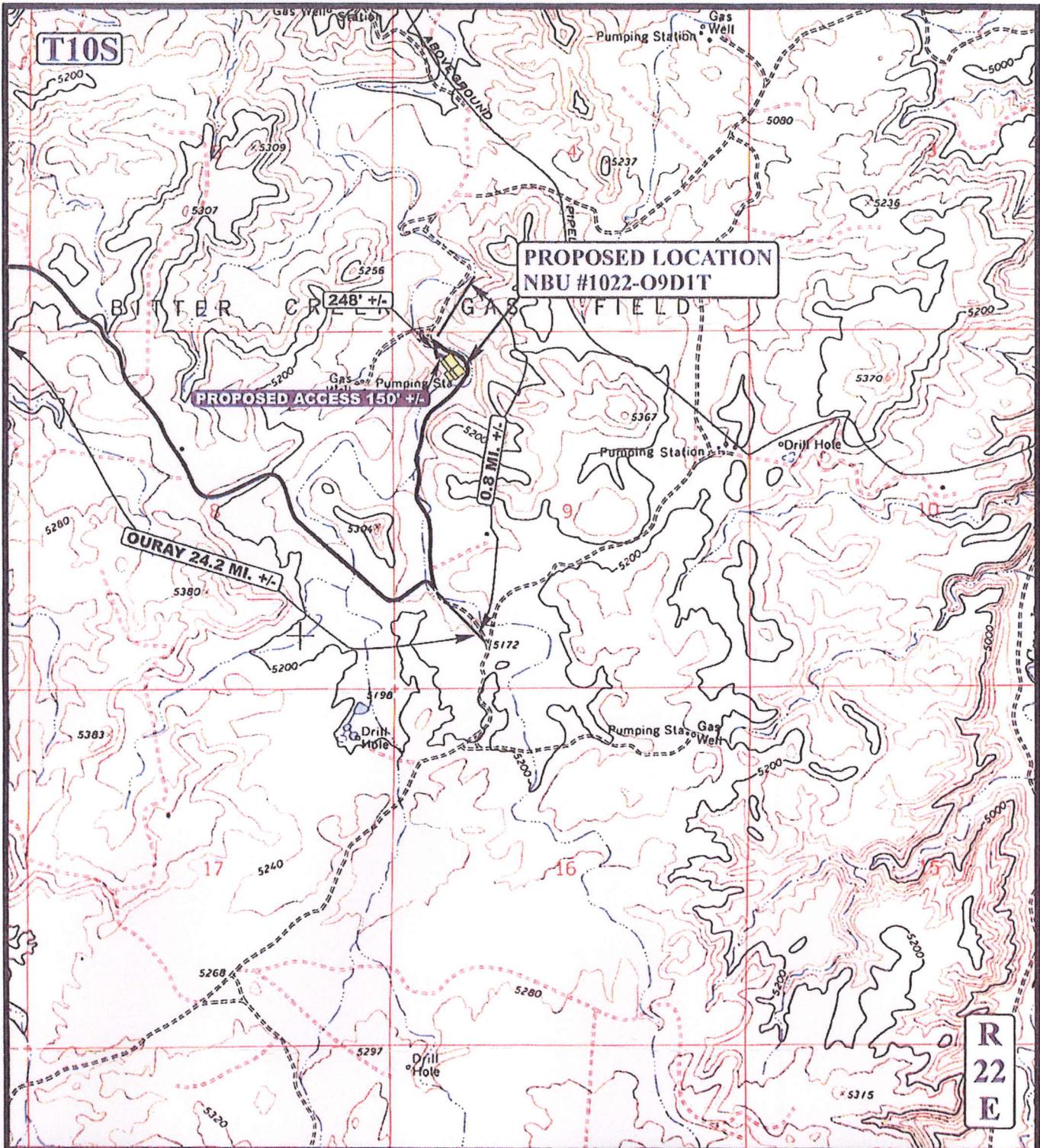
NBU #1022-09D1T  
SECTION 9, T10S, R22E, S.L.B.&M.  
563 FNL 869 FWL

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



**TOPOGRAPHIC MAP** 2 27 08  
MONTH DAY YEAR  
SCALE: 1:100,000 | DRAWN BY: GL. | REVISED: 3-3-08





**LEGEND:**

— EXISTING ROAD



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

**NBU #1022-09D1T**  
**SECTION 9, T10S, R22E, S.L.B.&M.**  
**563 FNL 869 FWL**

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

**TOPOGRAPHIC MAP** **2 27 08**  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' | DRAWN BY: GL. | REVISED: 3-3-08

**B**  
**TOPO**



**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/04/2008

API NO. ASSIGNED: 43-047-39990

WELL NAME: NBU 1022-09D1T

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

PHONE NUMBER: 720-929-6226

CONTACT: KEVIN MCINTYRE

PROPOSED LOCATION:

NWNW 09 100S 220E  
 SURFACE: 0563 FNL 0869 FWL  
 BOTTOM: 0563 FNL 0869 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.96911 LONGITUDE: -109.4505  
 UTM SURF EASTINGS: 632335 NORTHINGS: 4425268  
 FIELD NAME: NATURAL BUTTES ( 630 )

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

LEASE TYPE: 1 - Federal  
 LEASE NUMBER: UTU-01196B  
 SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. WYB000291 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
- Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
- Board Cause No: 173-14
- Eff Date: 12-2-1999
- Siting: 460' fr us arg & uncomm. trees
- R649-3-11. Directional Drill

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

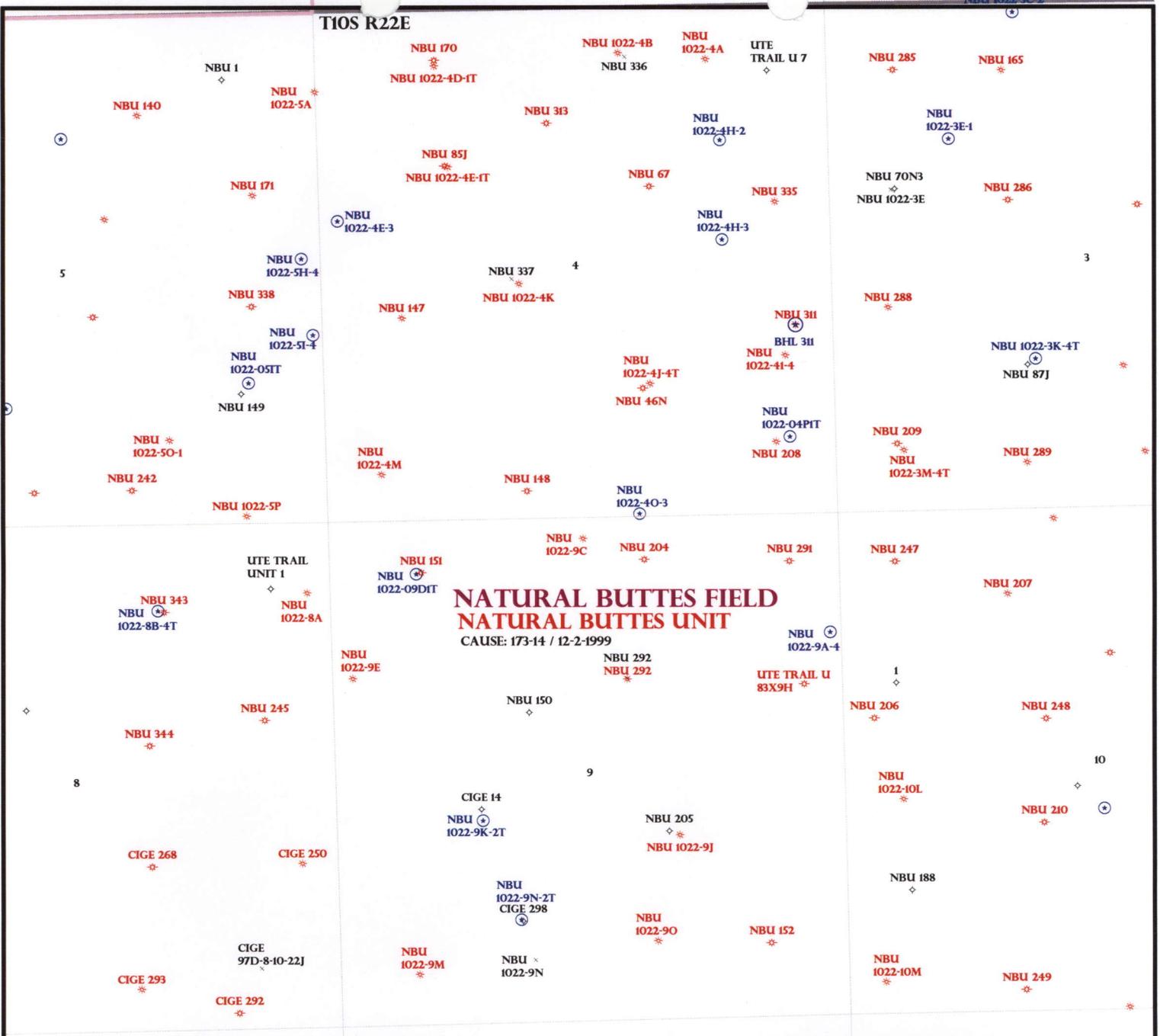
*1-Federal Approval*

*2-Oil Shale*

\_\_\_\_\_

\_\_\_\_\_

T10S R22E



**NATURAL BUTTES FIELD  
NATURAL BUTTES UNIT**

CAUSE: 173-14 / 12-2-1999

OPERATOR: KERR MCGEE O&G (N2995)

SEC: 4,9 T.10S R. 22E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

**Field Status**

	ABANDONED
	ACTIVE
	COMBINED
	INACTIVE
	PROPOSED
	STORAGE
	TERMINATED

**Unit Status**

	EXPLORATORY
	GAS STORAGE
	NF PP OIL
	NF SECONDARY
	PENDING
	PI OIL
	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

**Wells Status**

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



PREPARED BY: DIANA MASON  
DATE: 9-APRIL-2008

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

April 10, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2008 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 2008 within the Natural Buttes Unit, Uintah County, Utah.

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

(Proposed PZ Wasatch/MesaVerde)

43-047-39991	NBU 1022-04P1T Sec 04	T10S R22E 0803 FSL 0505 FEL
43-047-39990	NBU 1022-09D1T Sec 09	T10S R22E 0563 FNL 0869 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:4-10-08



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

April 10, 2008

Kerr-McGee Oil & Gas Onshore, LP  
1099 18th St., #1200  
Denver, CO 80202

Re: NBU 1022-09D1T Well, 563' FNL, 869' FWL, NW NW, Sec. 9, T. 10 South, R. 22 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 43-047-39990.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

Operator: Kerr-McGee Oil & Gas Onshore, LP  
Well Name & Number NBU 1022-09D1T  
API Number: 43-047-39990  
Lease: UTU-01196B

Location: NW NW                      Sec. 9                      T. 10 South                      R. 22 East

### Conditions of Approval

1. General

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

2. Notification Requirements

Notify the division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281    (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

Form 3160-3  
(August 2007)

APR 02 2008

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

BLM UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No.  
UTU-01196B  
6. If Indian, Allottee or Tribe Name  
N/A

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

7. If Unit or CA Agreement, Name and No.  
Natural Buttes Unit  
8. Lease Name and Well No.  
NBU 1022-09D1T

2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP

9. API Well No.  
43 047 39990

3a. Address 1099 18th Street #1200, Denver, CO 80202  
3b. Phone No. (include area code)  
720.929.6226

10. Field and Pool, or Exploratory  
Natural Buttes

4. Location of Well (Report location clearly and in accordance with any State requirements.)\*  
At surface 563' FNL & 869' FWL LAT 39.969192 LON -109.451144 NWNW  
At proposed prod. zone N/A

11. Sec., T. R. M. or Blk. and Survey or Area  
Sec. 9, T 10S, R 22E

14. Distance in miles and direction from nearest town or post office\*  
Ouray, Utah 24.2 Miles

12. County or Parish  
Uintah  
13. State  
UT

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 563'  
16. No. of acres in lease 320  
17. Spacing Unit dedicated to this well 20

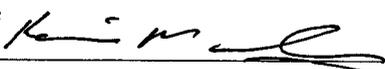
18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. 2000'  
19. Proposed Depth 8820'  
20. BLM/BIA Bond No. on file WYB000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5113 GL  
22. Approximate date work will start\* ASAP  
23. Estimated duration 10 days

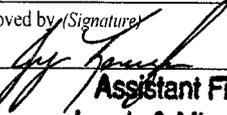
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, must 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 must 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 BLM.

25. Signature  Name (Printed Typed) Kevin McIntyre Date 03/31/2008

Title  
Regulatory Analyst I

Approved by (Signature)  Name (Printed Typed) Jera Kewczka Date SEP 12 2008

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

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

CONDITIONS OF APPROVAL ATTACHED

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

(Continued on page 2)

\*(Instructions on page 2)

NOTICE OF APPROVAL

RECEIVED

SEP 23 2008

DIV. OF OIL, GAS & MINING

UDOGM

085XS0112A

No Nos (LPD posted 4-17-08



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

**170 South 500 East**

**VERNAL, UT 84078**

**(435) 781-4400**



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

<b>Company:</b>	<b>Kerr-McGee Oil &amp; Gas Onshore, LP</b>	<b>Location:</b>	<b>NWNW, Sec. 9, T10S, R22E</b>
<b>Well No:</b>	<b>NBU 1022-09D1T</b>	<b>Lease No:</b>	<b>UTU-01196B</b>
<b>API No:</b>	<b>43-047-39990</b>	<b>Agreement:</b>	<b>Natural Buttes Unit</b>

<b>Title</b>	<b>Name</b>	<b>Office Phone Number</b>	<b>Cell Phone Number</b>
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	
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:	Nathan Packer	(435) 781-3405	(435) 828-3545

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

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

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

**NOTIFICATION REQUIREMENTS**

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

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

***Surface COAs:***

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

***Site Specific COAs:***

None

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

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

- Production casing cement shall be brought up and into the surface casing. Production casing minimum cement top is 1200 ft. The minimum cement top is approximately 1000 ft above the surface casing shoe.  
Cmnt Top (TOC) standard will place cmnt behind casing across formation lost circulation zone, Birds Nest Zone.  
COA specification fulfills operators performance standard stated in APD (where operators toc is calc'd with an excess to reach surface).
- Covering air/gas drilling operations, requirements will be adhered to covering air/gas drilling operations as described in Onshore Order #2 III. E. 1. Drilling Operations, Special Drilling Operations, air/gas drilling.
- Drilling plan specifics and practices are referenced in the Kerr McGee Oil & Gas Standard Operating Procedures (SOP version: July 28, 2008). The operators drilling plan items 3 to 9 reference the SOP. Kerr McGee shall adhere to the referenced requirements in the SOP.
- A Gamma Ray well Log shall be run from the well Total Depth to the surface.  
A copy of the Gamma Ray well Log shall be submitted to the BLM Vernal Field Office.

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

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

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. 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 (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.

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

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. Lease Serial No.  
UTU-01196-B

6. If Indian, Allottee or Tribe Name  
NA

7. If Unit or CA/Agreement, Name and/or No.  
NATURAL BUTTES UNIT  
8910008900A

8. Well Name and No.  
NBU 1022-09D1T

9. API Well No.  
43-047-39990

10. Field and Pool, or Exploratory Area  
NATURAL BUTTES

11. County or Parish, State  
UINTAH, UT

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

1. Type of Well  
 Oil Well  Gas Well  Other

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

3a. Address  
PO BOX 173779, DENVER, CO 80217-3779

3b. Phone No. (include area code)  
720-929-6666

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
563' FNL, 869' FWL, SECTION 9, T10S, R22E, NWNW

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

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

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

KERR MCGEE OIL AND GAS ONSHORE LP IS REQUESTING TO CHANGE THE SURFACE LOCATION OF THIS WELL TO ACCOMMODATE OUR NEW DRILLING RIGS. THERE WILL BE NO NEW DISTURBANCE.

NEW FOOTAGES ARE: 603' FNL, 890' FWL

NEW NAME: NBU 1022-9D1T

63 2341X  
4425256Y  
39.968997  
-109.453380

**COPY SENT TO OPERATOR**

**Federal Approval of this Action is Necessary**

Date: 1.12.2009

Initials: KS

RECEIVED

JAN 07 2009

DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) RALEEN WHITE	Title SR. REGULATORY ANALYST
Signature <i>Raleen White</i>	Date January 5, 2009

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by <i>Bradley G. Hill</i>	Title BRADLEY G. HILL ENVIRONMENTAL MANAGER	Date 01-08-09
---------------------------------------	---	------------------

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.

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.

# T10S, R22E, S.L.B.&M.

## Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #1022-09D1T, located as shown in the NW 1/4 NW 1/4 of Section 9, T10S, R22E, 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 QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

### BASIS OF BEARINGS

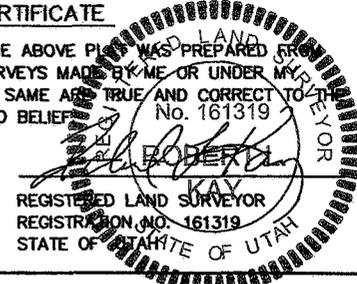
BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

### CERTIFICATE

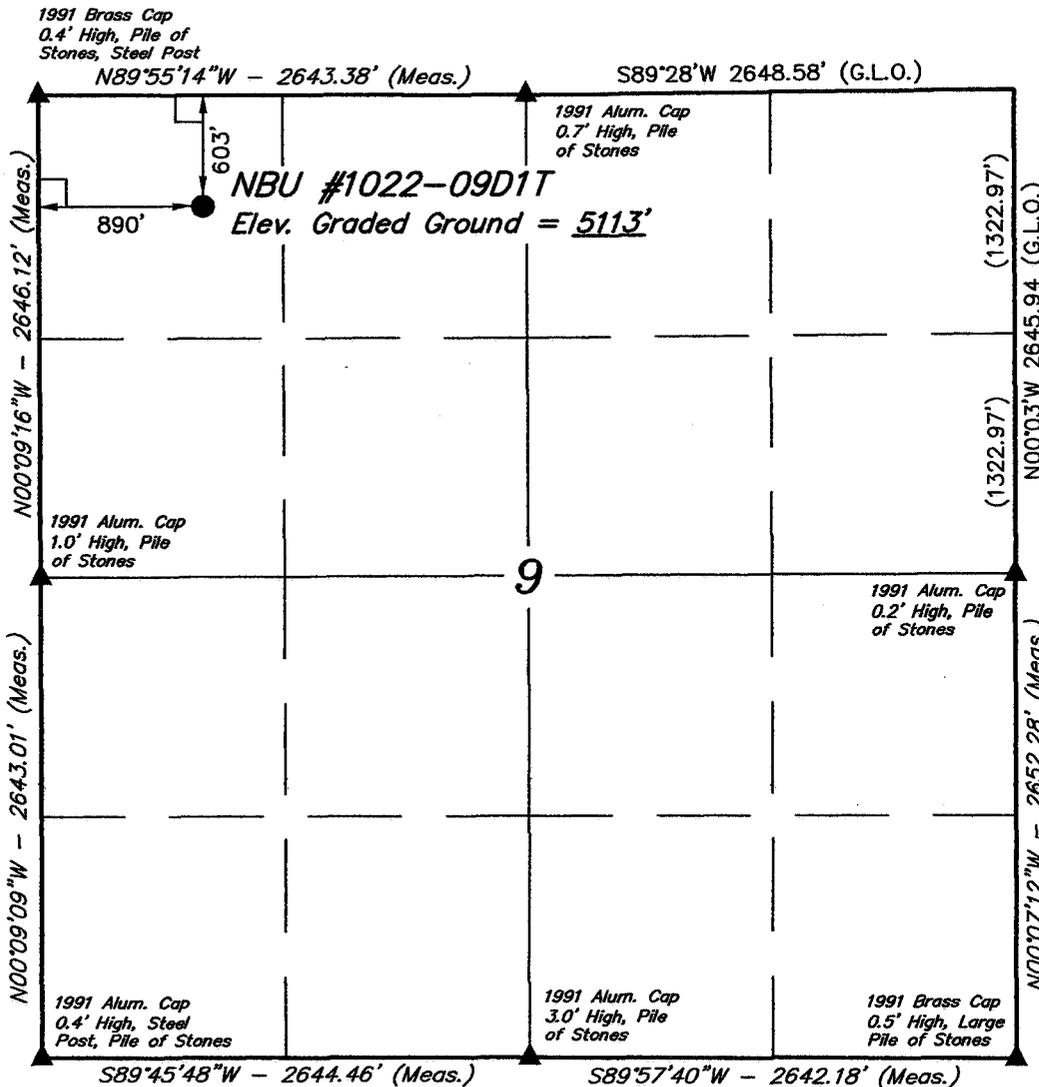
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



REGISTERED LAND SURVEYOR  
REGISTRATION NO. 161319  
STATE OF UTAH

Revised 12-11-08 C.C.  
Revised 03-11-08 D.P.

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



### LEGEND:

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

(NAD 83)  
 LATITUDE = 39°58'08.69" (39.969081)  
 LONGITUDE = 109°27'03.85" (109.451069)  
 (NAD 27)  
 LATITUDE = 39°58'08.81" (39.969114)  
 LONGITUDE = 109°27'01.39" (109.450386)

SCALE 1" = 1000'	DATE SURVEYED: 02-18-08	DATE DRAWN: 02-20-08
PARTY B.B. T.M. M.D.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

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
4304739990	NBU 1022-09D1T		NWNW	9	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>B</b>	99999	<i>2900</i>	2/25/2009		<i>3/5/09</i>		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 02/25/2009 AT 11:30 AM.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

Well 3

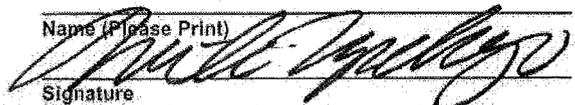
API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
Comments:							

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)



Signature

REGULATORY ANALYST

3/2/2009

Title

Date

RECEIVED

MAR 02 2009

(5/2009)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
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.  
UTU01196B

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
NBU 1022-09D1T

9. API Well No.  
43-047-39990

10. Field and Pool, or Exploratory  
NATURAL BUTTES

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

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

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
KERR-MCGEE OIL & GAS ONSHORE  
Contact: SHEILA UPCHEGO  
Email: sheila.upchego@anadarko.com

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 9 T10S R22E NWNW 563FNL 869FWL

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 Well Spud
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

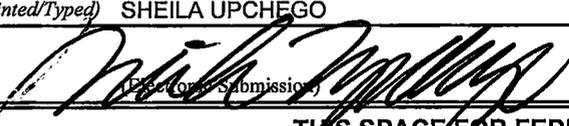
13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths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

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEUDLE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 02/25/2009 AT 11:30 AM.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #67715 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal**

Name (Printed/Typed) SHEILA UPCHEGO Title OPERATIONS

Signature  Date 03/02/2009

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

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

Office \_\_\_\_\_

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

**RECEIVED**

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

MAR 04 2009

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
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.*

**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. UTU01196B
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3b. Phone No. (include area code) Ph: 435-781-7024		8. Well Name and No. NBU 1022-09D1T
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T10S R22E NWNW 563FNL 869FWL		9. API Well No. 43-047-39990
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

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

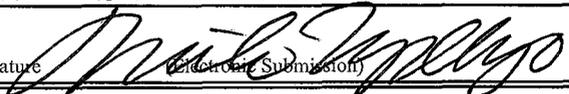
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

MIRU PROPETRO AIR RIG ON 03/01/2009. DRILLED 12 1/4" SURFACE HOLE TO 2410'. RAN 9 5/8" 36# J-55 SURFACE CSG. PMP 350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DROP PLUG AND DISPLACE W/180 BBLS H2O NO CMT TO SURFACE. FLOATS DID NOT HOLD. PRESSURE UP TO 600 PSI TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO CMT TO SURFACE. TOP OUT W/300 SX PREM CLASS G @15.8 PPG 1.15 YIELD. CMT TO SURFACE HOLE STAYED FULL.

WORT

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #67831 verified by the BLM Well Information System  
 For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal**

Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature 	Date 03/05/2009

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

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

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

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

**RECEIVED**

**MAR 09 2009**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB NO. 1004-0135  
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.*

**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. UTU01196B
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
Contact: SHEILA UPCHEGO Email: sheila.upchego@anadarko.com		7. If Unit or CA/Agreement, Name and/or No. UNIT #891008900A
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078	3b. Phone No. (include area code) Ph: 435-781-7024	8. Well Name and No. NBU 1022-09D1T
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 9 T10S R22E NWNW 563FNL 869FWL		9. API Well No. 43-047-39990
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

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

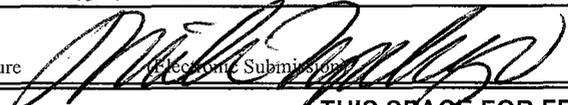
TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/>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

FINISHED DRILLING FROM 2410' TO 8885' ON 04/15/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/370 SX PREM LITE II @11.2 PPG 3.13 YIELD. TAILED CMT W/1200 SX 50/50 POZ @14.3 PPG 1.31 YIELD. NIPPLE DOWN CLEAN TANKS.

RELEASED PIONEER RIG 69 ON 04/16/2009 AT 1300 HRS.

**RECEIVED**  
**APR 30 2009**

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #69618 verified by the BLM Well Information System For KERR-MCGEE OIL &amp; GAS ONSHORE L, sent to the Vernal</b>		DIV. OF OIL, GAS & MINING	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS		
Signature 	Date 04/29/2009		
<b>THIS SPACE FOR FEDERAL OR STATE OFFICE USE</b>			

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

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

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

<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-01196B
---	---

<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>  <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 1022-9D1T
------------------------------------	--

<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047399900000
---	---

<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
---	--	--

<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0603 FNL 0890 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 09 Township: 10.0S Range: 22.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> <b>DRILLING REPORT</b> Report Date: 6/13/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON  
 06/13/2009 AT 2700 HRS,. PLEASE REFER TO THE ATTACHED  
 CHRONOLOGICAL WELL HISTORY.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 June 18, 2009

<b>NAME (PLEASE PRINT)</b> Sheila Upchego	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 6/18/2009

## ROCKIES

## Operation Summary Report

Well: NBU 1022-9D1T		Spud Conductor: 2/25/2009		Spud Date: 3/1/2009				
Project: UTAH		Site: UINTAH		Rig Name No: PIONEER 69/69, PROPETRO/				
Event: DRILLING		Start Date: 2/25/2009		End Date: 4/16/2009				
Active Datum: RKB @5,131.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
3/1/2009	10:00 - 14:00	4.00	MIRU	01	A	P		M.I.R.U. AIR DRILLING TOOLS
	14:00 - 0:00	10.00	MIRU	02	A	P		DRILL F/ 40' - T/ 870' W/ HAMMER
3/2/2009	0:00 - 11:30	11.50	DRLSUR	02	A	P		DRILL F/ 870' - T/ 1350' W/ HAMMER - TRONA WATER @ 1350'
	11:30 - 12:00	0.50	DRLSUR	04	A	P		CIRCULATE & CONDITION HOLE FOR TRIP
	12:00 - 12:30	0.50	DRLSUR	09	A	P		WIRESURVEY @ 1300' - .90 DEG
	12:30 - 20:30	8.00	DRLSUR	05	A	P		P.O.O.H. / PICK UP MOTOR & P.D.C. / T.I.H.
	20:30 - 0:00	3.50	DRLSUR	02	B	P		DRILL W/ MOTOR & P.D.C. - PUMP DRILL W/ 14 BPM LOSSES
3/3/2009	0:00 - 22:00	22.00	DRLSUR	02	B	P		DRILL F/ 1480' - T/ 2410' W/ MOTOR AND PDC - DRILL 150' W/ PUMP @ 14 BPM WITH NO RETURNS / DRILL 90' W/ AIR + 14 BPM WITH RETURNS TO BUILD VOLUME IN RESERVE PIT
	22:00 - 22:30	0.50	DRLSUR	04	A	P		CIRCULATE AND CONDITION HOLE FOR CASING
	22:30 - 23:00	0.50	DRLSUR	09	A	P		WIRESURVEY @ 2340' - 1 3/4 DEG
	23:00 - 0:00	1.00	DRLSUR	05	D	P		L.D.D.S.
3/4/2009	0:00 - 3:00	3.00	DRLSUR	05	D	P		L.D.D.S. + MOTOR AND PDC
	3:00 - 4:00	1.00	CSG	11	B	P		RUN 9 5/8 CASING TO 1300'
	4:00 - 6:00	2.00	CSG	07	A	Z		RIG REPAIR ON FUEL SYSTEM ON RIG
	6:00 - 7:00	1.00	CSG	11	B	P		FINISH RUNNING 55 JTS OF 9 5/8 #40.0 LT&C J-55 CASING + RELATED TOOLS / SET @ 2376'
	7:00 - 8:00	1.00	RDMO	01	A	P		R.D.M.O. AIR TOOLS (WAIT ON LOCATION)
	8:00 - 9:30	1.50	CSG	15	A	P		SAFETY MEETING / M.I.R.U. EQUIPMENT / PUMP 165 BBL H2O + 350 SX CLASS G CEMENT @ #15.8 (1.15 YEILD @ 5 GPS H2O) / DROP PLUG AND DISPLACE W/ 180 BBL H2O / PLUG DOWN @ 09:12 W/ NO CEMENT TO SURFACE / FLOATS DID NO HOLD / PRESSURED UP TO 600 PSI & SHUT IN FOR 4 HRS. / CEMENT 1st TOP JOB W/ 100 SX CLS G + 4% CACL (1.15 YIELD @ 5.0 GPS) W/ NO CEMENT TO SURFACE
	9:30 - 11:30	2.00	CSG	12	B	P		W.O.C.
	11:30 - 12:00	0.50	CSG	15	A	P		MIX AND PUMP 150 SX CLASS G + 4 % CACL CEMENT @ #15.8 (1.15 YEILD @ 5 GPS H2O) W/ NO CEMENT TO SURFACE
	12:00 - 14:00	2.00	CSG	15	A	P		MIX AND PUMP 150 SX CLASS G + 4 % CACL CEMENT @ #15.8 (1.15 YEILD @ 5 GPS H2O) W/ APPROXIMATE 4 BBL CEMENT TO SURFACE / APPROX 2 BBL FELL BACK AND CEMENT REMAINED AT SURFACE. RELEASED PRESSURE ON CASING W/ NO FLOW BACK
	14:00 - 15:00	1.00	CSG	15	A	P		R.D.M.O. CEMENT EQUIPMENT / W.O.C.
4/7/2009	15:00 - 0:00	9.00	SUSPEN	12	E	P		W.O.R.T.
	11:00 - 0:00	13.00	MIRU	01	E	P		MOVE FRONT YARD TO NBU 1022-9D1T ,RDRT PREPARE RIG F/ MOVE THIS AM W/ KHUR TRUCKING
4/8/2009	0:00 - 7:00	7.00	MIRU	01	E	P		WAIT ON DAYLIGHT
	7:00 - 16:30	9.50	MIRU	01	E	P		LOAD OUT & MOVE RIG TO NBU 1022-D91T,RURT 4- BED TRUCKS 2-HAUL TRUCKS 2-FORKLIFTS ,1- CRANE ON LOCATION @ 07:00 TRUCKS RELEASED @ 12:00 ,CRANE RELEASED @ 13:00
	16:30 - 21:30	5.00	MIRU	13	A	P		NIPPLE UP BOP,CHANGED TO CAMERON WELL HEAD

## ROCKIES

## Operation Summary Report

Well: NBU 1022-9D1T

Spud Conductor: 2/25/2009

Spud Date: 3/1/2009

Project: UTAH

Site: UINTAH

Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING

Start Date: 2/26/2009

End Date: 4/16/2009

Active Datum: RKB @5,131.00ft (above Mean Sea Level)

UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	21:30 - 0:00	2.50	MIRU	13	C	P		SAFETY MEETING W/ B&C QUICK TEST, TEST UPPER & LOWER KELLY VALVES, SAFETY VALVE, DART VALVE, INSIDE KILL LINE, INSIDE CHOKE LINE VALVE PIPE RAMS 250 PSI F/ 5 MIN, 5000 PSI F/ 10 MIN
4/9/2009	0:00 - 4:00	4.00	DRLPRO	13	C	P		FINISH TESTING BOP, TEST PIPE RAMS, CHOKE LINE, CHECK VALVE, INSIDE MANIFOLD VALVES, BLIND RAMS, CHOKE LINE, MANIFOLD VALVES, 250 PSI LOW F/ 5 MIN, 5000 PSI HIGH F/ 10 MIN, TEST ANNULAR 250 PSI LOW F/ 5 MIN, 2500 PSI HIGH F/ 10 MIN, TEST SURFACE CASING TO 1500 PSI F/ 30 MIN
	4:00 - 9:30	5.50	DRLPRO	05	A	P		SAFETY MEETING W/ WEATHERFORD R/U & P/U BHA, R/D WEATHERFORD, INSTALL DRLG RUBBER & DRIVE BUSHINGS.
	9:30 - 10:00	0.50	DRLPRO	17		P		PRESPUDD INSPECTION
	10:00 - 13:30	3.50	DRLPRO	05	I	S		BREAK CIRC 120 STROKES 1460 PSI TAG CEMENT @ 2264' PRESSURE GAIN TO 3500 PSI, 2200 PSI W/ 74 STROKES, CHECK SURFACE EQUIPMENT, TOOH L/D MOTOR & PRO SHOT P/U NEW MOTOR & PRO SHOT TIH
	13:30 - 15:00	1.50	DRLPRO	05	A	S		
	15:00 - 17:00	2.00	DRLPRO	02	F	P		DRILL OUT CMT & F.E.
	17:00 - 18:30	1.50	DRLPRO	02	B	P		SPUD @ 17:00 4/9/2009 DRLG FORMATION F/ 2428' TO 2542' = 114' = 76 FPH, WATER 8.3, VIS 26 WOB 15-17, RPM 60 MOTOR RPM 100, SPP 1500, SPM 120, GPM 454, ST WT UP/DN/ROT 54-52-53, DIFF 255, OFF BTM 1300
	18:30 - 19:00	0.50	DRLPRO	09	A	P		SURVEY @ 2500' 1 DEG 140.2 AZM
	19:00 - 19:30	0.50	DRLPRO	02	B	P		DRLG F/ 2542' TO 2605' = 63' = 126 FPH, WATER 8.3, VIS 26, WOB 15-17, RPM 60, MOTOR RPM 100, SPP 1500, SPM 120, GPM 454 STWT UP/DN/ROT 54-52-53, DIFF 250, OFF BTM 1310 1500 PSI PRESSURE GAIN.
	19:30 - 23:30	4.00	DRLPRO	05	I	S		TOOH L/D PROSHOT TIH
	23:30 - 0:00	0.50	DRLPRO	02	B	P		DRLG F/ 2605' TO 2636' = 31' = 62 FPH, WATER 8.3, VIS 26, RPM 60, MOTOR RPM 100 SPP 1500, SPM 120, GPM 454, ST WT UP/DN/ROT 54-52-53, DIFF 250, OFF BTM 1300
4/10/2009	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRLG F/ 2636' TO 2689' = 53' = 106 FPH, WATER 8.3, VIS 26, WOB 15-17, RPM 60, MOTOR RPM 100, SPP 1500, SPM 120, GPM 454, ST WT UP/DN/ROT 75-70-73, DIFF 250, OFF BTM 1300
	0:30 - 1:00	0.50	DRLPRO	09	B	P		WIRELINE SURVEY @ 2607' .8 DEG 176.89 AZ
	1:00 - 2:00	1.00	DRLPRO	02	B	P		DRLG F/ 2689' TO 2784' = 95' = 95 FPH, WATER
	2:00 - 2:30	0.50	DRLPRO	09	B	P		WIRELINE SURVEY @ 2702' 1.06 DEG 164.66 AZ
	2:30 - 3:30	1.00	DRLPRO	02	B	P		DRLG F/ 2784' TO 2878' = 94' = 94 FPH, WATER 8.3, VIS 26, WOB 15-17, RPM 60, MOTOR RPM 100, SPP 1500, SPM 120, GPM 454, STWT UP/DN/ROT 80 -77-79, DIFF 250, OFF BTM 1310
	3:30 - 4:00	0.50	DRLPRO	09	B	P		WIRELINE SURVEY @ 2796' 1.04 DEG 178.45 AZ
	4:00 - 4:30	0.50	DRLPRO	02	B	P		DRLG F/ 2878' TO 2973' = 95' = 95 FPH, WATER 8.3, VIS 26, WATER 8.3, VIS 26, RPM 60, MOTOR RPM 100 SPP 1500, SPM 120, GPM 454 ST WT UP/DN/ROT 80- 77-79 DIFF 260, OFF BTM 1310
	4:30 - 5:00	0.50	DRLPRO	09	B	P		WIRELINE SURVEY @ 2891' 1.06 DEG 159.49 AZ
	5:00 - 5:30	0.50	DRLPRO	04	C	P		CIRC F/ TOOH
	5:30 - 7:00	1.50	DRLPRO	05	K	P		TOOH F/ DIRECTIONAL TOOLS L/D MOTOR & IBS
	7:00 - 8:00	1.00	DRLPRO	06	D	P		SLIP & CUT 60' DRLG LINE, RIG SERVICE
	8:00 - 12:30	4.50	DRLPRO	12	F	X		WAIT ON DIRECTIONAL TOOLS

## ROCKIES

## Operation Summary Report

Well: NBU 1022-9D1T	Spud Conductor: 2/25/2009	Spud Date: 3/1/2009
Project: UTAH	Site: UINTAH	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/26/2009	End Date: 4/16/2009
Active Datum: RKB @5,131.00ft (above Mean Sea Level)	UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	12:30 - 18:30	6.00	DRLPRO	05	A	P		P/U BIT #1 .22GPR MOTOR SET @ 1.5 DEG. DIRECTIONAL TOOLS & OREINTATE MWD ,TIH
	18:30 - 0:00	5.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 2973' TO 3285'=312'=62.4 FPH ,WOB 17,RPM 55,MOTOR RPM 100,SPP 1800 ,SPM 120,GPM 454 ,ST WT UP/DN/ROT 98-92-97 ,DIFF 230-400,OFF BTM 1550 ( SLIDE F/ 2979-2989 ,3011-3022 ,3042-3052 ,3074-3085 ,3106-3116 ,3137-3150 ,3169-3181 )
4/11/2009	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 3285' TO 4654'=1369' =101.4 FPH ,WOB 17,RPM 55,MOTOR RPM 100 ,SPP 1850 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 118-110-114 ,DIFF 280 ,OFF BTM 1650 ( SLIDE F/ 3295-3310 ,3349-3363 ,3896-3913 ,3991-4006 ,4023-4033 ,4055-4065 ,4244-4258 ,4278-4286 ,4307-4325 ,4338-4353 ) SURVEY TIME 2 HRS RIG SERVICE
	13:30 - 14:00	0.50	DRLPRO	06	A	P		
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRILL & SURVEY F/ 4654' TO 5757'=1103' = 110.3, WOB 18 ,RPM 55 ,MOTOR RPM 100 ,SSP 1850 ,SPM 120 ,GPM 454 ,ST WT UP/DN ROT 147-138-144 ,DIFF 180-320 ,OFF BTM 1625 , ( SLIDE F/ 4686-4696 ,4718-4728 ,4939-4954 ,4971-4981 ) SURVEY TIME .5 HRS
4/12/2009	0:00 - 13:30	13.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 5757' TO 6647' =890'=65.9 FPH WOB 18 ,RPM 55 ,MOTOR RPM 100 SPP 2000 ,SPM 120 ,GPM 454 ST WT UP/DN/ROT 155-145-155 DIFF 130-310 ,OFF BTM 1780 ,SURVEY TIME 1/2 HR RIG SERVICE
	13:30 - 14:00	0.50	DRLPRO	06	A	P		
	14:00 - 0:00	10.00	DRLPRO	02	B	P		DRLG F/ 6647' TO 7088' =44.1'-44.1 FPH ,WOB 19 ,RPM 55 ,MOTOR RPM 100 ,SPP2375 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 161-152-157 ,DIFF 120-330 ,OFF BTM 2100 ( SLIDE F/ 6995-7012 ,7216-7242 ) SURVEY TIME 1/2 HR
4/13/2009	0:00 - 15:30	15.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 7088' TO 7785'=697'=44.9 FPH , MUD WT 10.5 ,VIS 41 ,WOB 17,RPM 55 ,MOTOR RPM 100 ,SPP 2230 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 168-1158-163 ,DIFF 130-310 ,OFF BTM 1975 ( SLIDE F/ 7216-7242 ,7631-7653 ,7658-7679 ,7721-7749 ) SURVEY TIME 1 1/2 HRS RIG SERVICE
	15:30 - 16:00	0.50	DRLPRO	06	A	P		
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRILL & SURVEY F/ 7785' TO 8138'=353'=44.1 FPH ,MUD WT 11.1 ,VIS 39 ,WOB 18 ,RPM 55 ,MOTOR RPM 100 ,SPP 2850 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 175-155-170 ,DIFF 120-280 ,OFF BTM 2600 , SURVEY TIME 1 HR
4/14/2009	0:00 - 13:00	13.00	DRLPRO	02	B	P		DRILL & SURVEY F/ 8138' TO 8575' = 437' - 33.6 FPH - MUD WT = 11.2 VIS = 44,WOB 20 - RPM-55,MMRPM-100,SPP-2800-OFF BTM-2600-DIFF PRESS-200-350- GPM-454-ST WT-UP/DWN/ROT- 185-165-175 LUBRICATE RIG
	13:00 - 13:30	0.50	DRLPRO	06	A	P		
	13:30 - 18:00	4.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 8575' TO 8701' = 126' - 28 FPH - MUD WT = 11.5 VIS = 44, WOB-20,ST WT = UP/DWN/ROT - 185-165-176 - SPP = 2800 - OFF BTM = 2600,DIFF PRESS- 200-300- GPM - 454- RPM - 50 -MM RPM - 100 -
	18:00 - 19:30	1.50	DRLPRO	07	B	Z		VIBERATING HOSE WASHED OUT, L / D 4 JOINTS DP - RECIPICATE PIPE WHILE CHANGEING OUT HOSE

ROCKIES

Operation Summary Report

Well: NBU 1022-9D1T		Spud Conductor: 2/25/2009		Spud Date: 3/1/2009	
Project: UTAH		Site: UINTAH		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/26/2009		End Date: 4/16/2009	
Active Datum: RKB @5,131.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	19:30 - 0:00	4.50	DRLPRO	02	B	P		DRILL& SURVEY F/ 8701' TO 8810' = 109' - 24 FPH - MUD WT = 11.5 VIS = 44, WOB = 20,ST WT= UP/DWN/ROT - 186 - 165- 176 - SPP - 2850-OFF BTM - 2600- DIFF PRESS - 180 - 300- GPM- 454, - RPM - 55 - MM RPM - 100
4/15/2009	0:00 - 3:00	3.00	DRLPRO	02	B	P		DRLG F/ 8810' TO 8885' - 75' - 25 FPH, WOB-20,ST WT- UP/DWN/ROT - 185-165-176- WOB-20-SPP-2820-OFF BTM - 2600- DIFF-220-300-RPM-50-MMRPM-100-GPM-454-SPM-120-MUD WT-11.6,VIS-44
	3:00 - 4:00	1.00	DRLPRO	04	C	P		CIRC F/ SHORT TRIP
	4:00 - 5:00	1.00	DRLPRO	05	E	P		SHORT TRIP 25 STANDS 7300' NO PROBLEMS
	5:00 - 7:30	2.50	DRLPRO	04	C	P		CIRC TO L.D.D.P. HELD SAFETY MTNG W/ LAY DOWN CREW AND RIG CREW RIG UP LAY DOWN MACHINE
	7:30 - 14:00	6.50	DRLPRO	05	B	P		L.D.D.P. BRK KELLY AND VALVES, LAY DOWN BHA AND DIR TOOLS
	14:00 - 21:00	7.00	DRLPRO	10	C	P		HELD SAFETY MTNG W/ LOGGERS AND RIG CREW RIG UP AND RUN TRIPLE COMBO LOGS- HIT BRIDGE AT 7240' LOG UP RIG DOWN LOGGERS ( PULL WEAR BUSHING )
	21:00 - 22:00	1.00	DRLPRO	11	A	P		HELD SAFETY MTNG W/ CASERS AND RIG CREW, RIG UP SAME
	22:00 - 0:00	2.00	DRLPRO	11	B	P		RUN 4 1/2 PROD CSNG
4/16/2009	0:00 - 3:00	3.00	DRLPRO	11	B	P		RUN 208 JTS 4.4 I-80 # 11.6 SHOE 8871' FLOAT COLLAR 8827'
	3:00 - 7:30	4.50	DRLPRO	04	A	P		CIRC CASING
	7:30 - 9:00	1.50	DRLPRO	15	A	P		CMT 4.5 CASIN LEAD 370 SXCMT# 11.2 YIELD 3.13 PL2+10 % GEL+KCL +0.5% SMS+0.25 #CF TAIL 1200 SX CMT # 14.3 YIELD 1.31 50:50:2+10%nac+0.2%r-3+0.05#sf+0.002fp=6l displaced w/ 137.2 bbls calytreat water +1 gal magnacidr+technihib 8061wFLOATS HEAD RIG DOWN CMT.
	9:00 - 13:00	4.00	DRLPRO	13	A	P		NIPPLE DOWN BOPS, CLEAN PITS
	13:00 - 13:00	0.00	DRLPRO					RIG RELEASED 4/16/2009 @ 13:00

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

Well: NBU 1022-9D1T		Spud Conductor: 2/25/2009		Spud Date: 3/1/2009	
Project: UTAH			Site: UINTAH		Rig Name No: MILES-GRAY 1/1
Event: COMPLETION			Start Date: 6/4/2009		End Date: 6/10/2009
Active Datum: RKB @5,131.00ft (above Mean Sea Level)			UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
6/4/2009	10:30 - 11:00	0.50	COMP	48		P		HSM. ROADING RIG & RIGGING UP
	11:00 - 15:30	4.50	COMP	31	H	P		ROAD FROM NBU 141 TO NBU 1022-9D-1T. RU RIG & SPOT RIG EQUIPMENT. ND WELL HEAD NU BOP. PU 3 7/8" BIT & SUB. DRIFT & TALLEY 85 JTS OF 2 3/8" J-555 4.7# TBG. EOT@ 2,669'. SWI SDFN.
6/5/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. TRIPPING TUBING
	7:30 - 18:00	10.50	COMP	31	H	P		SICP 0 PSI, PU DRIFT & TALLY TOTAL OF 282 JTS OF 2 3/8" J-55 4.7# TBG. TAG FILL @ 8761'. RU POWER SWIVEL BRK CIRC W/ 2% KCL. C/O 23' TO PBTD OF 8,784'. CIRC WELL CLEAN. POOH LD 82 JTS & STAND BACK 100 STANDS. ND BOP NU FRAC VALVES W/ 10K SLEEVE. MIRU B&C QUICK TEST. PRESSURE TEST CASING TO 7,500 PSI. GOOD TEST. RDMO B&C QUICK TEST. MIRU CUTTERS. PU 3 3/8" EXP GNS, 23 GRN, .36 HOLES, 120 DEG PHASING. RIH PERF 8,762' - 68' 3 SPF, 8,580' - 84' 3 SPF, 8,550' - 53' 3 SPF. 39 HOLES. POOH W/ WIRE LINE SWI SDFWE.
6/8/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, FRACING AND PEFORATING.
	7:30 - 8:45	1.25	COMP	36	B	P		MIRU SCHLUMBERGER, PRIME UP PUMP AND LINES, PRESSURE TEST PUMP AND LINES TO 8,000 PSI. STG 1) WHP 1710 PSI, BRK 3636 PSI, @ 5.3 BPM, ISIP 2300 PSI, FG .70 PUMP 100 BBLS @ 51.3 BPM, @ 4965 PSI = 62% PERFS OPEN. MP 7015 PSI, MR 51.5 BPM, AP 4729 PSI, AR 45.8 BPM, ISIP 2550 PSI, FG .72. NPI 250 PSI, PMPD 1642 BBLS SW & 58,481 LBS 30/50 SND & 5,000 LBS OF 20/40 RESIN SAND.
	8:45 - 10:55	2.17	COMP	36	B	P		STD 2) PU 4 1/2 HAL & 3 3/8" EXP GNS 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K HAL CBP @ 8450' & PERF 8417'-20' 4 SPF, 90 DEG PHASING, 8340'-44' 3 SPF, 120 DEG PHASING. 8323'-26 3 SPF, 120 DEG PHASING. 8262'-8265' 3 SPF, 120 DEG PHASING. TOTAL 42 HLS. WHP 629 PSI, BRK 3145 PSI, @ 5.3 BPM, ISIP 2100 PSI, FG .68 PUMP 100 BBLS @ 51.3 BPM, @ 4670 PSI = 71% PERFS OPEN. MP 5647 PSI, MR 52.5 BPM, AP 4567 PSI, AR 47.3 BPM, ISIP 2850 PSI, FG .77. NPI 759 PSI, PMPD 1538 BBLS SW & 60,418 LBS 30/50 SND & 5,000 LBS OF 20/40 RESIN SAND.

ROCKIES

Operation Summary Report

Well: NBU 1022-9D1T		Spud Conductor: 2/25/2009		Spud Date: 3/1/2009	
Project: UTAH		Site: UINTAH		Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION		Start Date: 6/4/2009		End Date: 6/10/2009	
Active Datum: RKB @5,131.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	10:55 - 12:46	1.85	COMP	36	B	P		<p>STD 3) PU 4 1/2 HAL &amp; 3 3/8" EXP GNS 23 GRM, .36 HOLES, 90 &amp; 120 DEG PHASING.                      SET 8K HAL CBP @ 8195' &amp; PERF 8161'-65' 3 SPF, 120 DEG PHASING, 8136'-39' 3 SPF, 120 DEG PHASING. 8116'-19' 3 SPF, 120 DEG PHASING. 8073'-76' 4 SPF, 90 DEG PHASING.                      TOTAL 42 HLS.                      WHP 340 PSI, BRK 2888 PSI, @ 5.3 BPM, ISIP 1700 PSI, FG .64                      PUMP 100 BBLS @ 51.3 BPM, @ 4450 PSI = 62% PERFS OPEN.                      MP 4855 PSI, MR 51.6 BPM, AP 4147 PSI, AR 44 BPM, ISIP 2400 PSI, FG .73.                      NPI 700 PSI, PMPD 2109 BBLS SW &amp; 75,595 LBS 30/50 SND &amp; 5,000 LBS OF 20/40 RESIN SAND.</p>
	12:46 - 14:32	1.77	COMP	36	B	P		<p>STD 4) PU 4 1/2 HAL &amp; 3 3/8" EXP GNS 23 GRM, .36 HOLES, 90 &amp; 120 DEG PHASING.                      SET 8K HAL CBP @ 7942' &amp; PERF 7906'-10' 4 SPF, 90 DEG PHASING, 7856'-59' 3 SPF, 120 DEG PHASING. 7816'-19' 3 SPF, 120 DEG PHASING. 7784'-87' 3 SPF, 120 DEG PHASING.                      TOTAL 43 HLS.                      WHP 1220 PSI, BRK 4470 PSI, @ 5.3 BPM, ISIP 2200 PSI, FG .71                      PUMP 100 BBLS @ 51.3 BPM, @ 4470 PSI = 78% PERFS OPEN.                      MP 4959 PSI, MR 51.6 BPM, AP 4375 PSI, AR 47.6 BPM, ISIP 2400 PSI, FG .74.                      NPI 200 PSI, PMPD 2109 BBLS SW &amp; 75,374 LBS 30/50 SND &amp; 5,000 LBS OF 20/40 RESIN SAND.</p>
	14:32 - 15:59	1.45	COMP	36	B	P		<p>STD 5) PU 4 1/2 HAL &amp; 3 3/8" EXP GNS 23 GRM, .36 HOLES, 90 &amp; 120 DEG PHASING.                      SET 8K HAL CBP @ 7758' &amp; PERF 7724'-28' 4 SPF, 90 DEG PHASING, 7709'-12' 4 SPF, 90 DEG PHASING. 7648'-50' 3 SPF, 120 DEG PHASING. 7614'-17' 3 SPF, 120 DEG PHASING.                      TOTAL 43 HLS.                      WHP 383 PSI, BRK 2311 PSI, @ 5.3 BPM, ISIP 1600 PSI, FG .64.                      PUMP 100 BBLS @ 50.5 BPM, @ 4250 PSI = 67% PERFS OPEN.                      MP 5130 PSI, MR 50.6 BPM, AP 4152 PSI, AR 45.9 BPM, ISIP 2550 PSI, FG .76.                      NPI 950 PSI, PMPD 1380 BBLS SW &amp; 52,881 LBS 30/50 SND &amp; 5,000 LBS OF 20/40 RESIN SAND.</p>
	15:59 - 17:23	1.40	COMP	36	B	P		<p>STD 6) PU 4 1/2 HAL &amp; 3 3/8" EXP GNS 23 GRM, .36 HOLES, 90 &amp; 120 DEG PHASING.                      SET 8K HAL CBP @ 7440' &amp; PERF 7406'-10' 4 SPF, 90 DEG PHASING, 7350'-53' 3 SPF, 120 DEG PHASING. 7273'-76' 3 SPF, 120 DEG PHASING. 7223'-26" 3 SPF, 120 DEG PHASING.                      TOTAL 43 HLS.                      WHP 227 PSI, BRK 2367 PSI, @ 5.3 BPM, ISIP 1500 PSI, FG .64.                      PUMP 100 BBLS @ 50.5 BPM, @ 4250 PSI = 67% PERFS OPEN.                      MP 4536 PSI, MR 50.5 BPM, AP 4009 PSI, AR 46.3 BPM, ISIP 2450 PSI, FG .76.                      NPI 950 PSI, PMPD 1369 BBLS SW &amp; 53,023 LBS 30/50 SND &amp; 5,000 LBS OF 20/40 RESIN SAND.</p>

ROCKIES

Operation Summary Report

Well: NBU 1022-9D1T		Spud Conductor: 2/25/2009		Spud Date: 3/1/2009	
Project: UTAH		Site: UINTAH		Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION		Start Date: 6/4/2009		End Date: 6/10/2009	
Active Datum: RKB @5,131.00ft (above Mean Sea Level)			UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	17:23 - 19:00	1.62	COMP	33	G	P		STD 7) PU 4 1/2 HAL & 3 3/8" EXP GNS 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. SET 8K HAL CBP @ 7168' & PERF 7022'-26 3 SPF, 120 DEG PHASING 12 HOLES. POOH, RU DELSCO RIH W/ HAL BOTTOM HOLE GAUGES TO 7012' RU WHP 60 PSI, BRK 3270 @ 5 BPM PUMPED 24 BBLs AVR PSI 1877 ISIP 1600, FG .66. SWI SDFN. MONITOR PSI OVERNIGHT.
6/9/2009	7:00 - 7:30	0.50	COMP	35	E	P		HSM, PERFORATING AND FRACING. SICP 648 PSI. POOH W/ BTM HOLE GAUGES, RD DELSCO.
	7:30 - 8:50	1.33	COMP	36	B	P		STD 7) RIH W/ 3 3/8 EXP GNS, 23 GRM, .36" HOLES, RIH PERF 7137'-41 4 SPF, 90 DEG PHASING, 7112'-15' 4 SPF 90 DEG PHASING 28 HLS. WHP 574 PSI, BRK 2367 PSI, @ 5.3 BPM, ISIP 1500 PSI, FG .64. PUMP 100 BBLs @ 50.5 BPM, @ 4200 PSI = 76% PERFS OPEN. MP 4583 PSI, MR 51.4 BPM, AP 3760 PSI, AR 42.9 BPM, ISIP 2000 PSI, FG .71. NPI 400 PSI, PMPD 939 BBLs SW & 31,345 LBS 30/50 SND & 3,000 LBS OF 20/40 RESIN SAND. TOTAL PROP PUMPED 440,118
	8:50 - 15:30	6.67	COMP	34	I	P		KILL PLUG ) RIH SET HAL 8K CBP @ 6972' FOR KILL PLUG. RD CUTTERS AND SCHLUMBERGER. ND FRAC VALVES & SLEVE, NU BOPS, PU RIH W/ 37/8 BIT & POBS X/N NIPPLE 1.875 ID RIH W 200 JTS 23/8 J-55 F/ DRK, PU 19 JTS 23/8 J-55 OFF FLOAT EOT @ 6960', RU TO D/O PLUGS IN AM. SWI SDFN
6/10/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, DRILLING CBPS AND LANDING TBG, RDMOL

ROCKIES

Operation Summary Report

Well: NBU 1022-9D1T		Spud Conductor: 2/25/2009		Spud Date: 3/1/2009	
Project: UTAH		Site: UINTAH		Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION		Start Date: 6/4/2009		End Date: 6/10/2009	
Active Datum: RKB @5,131.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/9/0/NENWNW/6/PM/N/563.00/W/0/869.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:30 - 18:00	10.50	COMP	44	C	P		<p>SICP 0 PSI, BREAK CIRCULATION CONVENTIONAL W/ 2% KCL RIH.</p> <p>C/O 0' SAND TAG 1ST PLUG @ 6972' DRL UP IN 15 MIN. 300# PSI INCREASE. RIH</p> <p>C/O 25' SAND TAG 2ND PLUG @ 7168' DRL UP IN 8 MIN. 100# PSI INCREASE. RIH</p> <p>C/O 30' SAND TAG 3RD PLUG @ 7440' DRL UP IN 7 MIN. 200# PSI INCREASE. RIH</p> <p>C/O 30' SAND TAG 4TH PLUG @ 7758' DRL UP IN 10 MIN. 300# PSI INCREASE. RIH</p> <p>C/O 30' SAND TAG 5TH PLUG @ 7942' DRL UP IN 7 MIN. 300# PSI INCREASE. RIH</p> <p>C/O 30' SAND TAG 6TH PLUG @ 8195' DRL UP IN 12 MIN. 500# PSI INCREASE. RIH</p> <p>C/O 20' SAND TAG 7 TH PLUG @ 8450' DRL UP IN 7 MIN. 900# PSI INCREASE. RIH</p> <p>C/O TO PBTD @ 8782'. CIRC CLEAN W/ 2% KCL. L/D 18 JTS 23/8 J-55 ON FLOAT, TOTAL 25 OUT EOT @ 8228.88' W/ 263 JTS 23/8 J-55 4.7# TBG. LAND TBG ON 71/16 5K HANGER. ND BOPS NU WH DROP BALL TO SHEAR POBS. PUMPED OFF BIT, WAIT 30 MIN FOR BIT TO FALL TO BTM. TURN WELL OVER TO FLOW TESTERS RDMOL.</p> <p>288 JTS 23/8 J-55 DELIVERED 263 JTS 23/8 J-55 LANDED 25 JTS 23/8 J-55 RETURNED</p> <p>SICP = 2,000# psi.</p>
6/11/2009	7:00 -		PROD	33	A	P		<p>TWTR.8056 BBLS</p> <p>7 AM FLBK REPORT: CP 3050#, TP 2150#, 20/64" CK, 36 BWPH, MEDIUM SAND, - GAS</p> <p>TTL BBLS RECOVERED: 5721</p> <p>BBLS LEFT TO RECOVER: 6355</p>
6/12/2009	7:00 -		PROD	33	D	P		<p>7 AM FLBK REPORT: CP 2850#, TP 2075#, 20/64" CK, 90 BWPH, RACESAND, - GAS</p> <p>TTL BBLS RECOVERED: 6041</p> <p>BBLS LEFT TO RECOVER: 5585</p>
	14:54 -		PROD	50				<p>WELL TURNED TO SALE @ 2700 HR ON 6/13/2009 - FTP 2250#, CP 3200#, 2700 MCFD, 36 BWPD, 20/64" CK</p>
6/13/2009	7:00 -		PROD	33	A	P		<p>7 AM FLBK REPORT: CP 1700#, TP 1975#, 20/64" CK, 25 BWPH, TRACE SAND, -GAS</p> <p>TTL BBLS RECOVERED: 6703</p> <p>BBLS LEFT TO RECOVER: 4923</p>
6/14/2009	7:00 -		PROD	33	A	P		<p>7 AM FLBK REPORT: CP 2550#, TP 1875#, 20/64" CK, 20 BWPH, TRACE SAND, - GAS</p> <p>TTL BBLS RECOVERED: 7205</p> <p>BBLS LEFT TO RECOVER: 4421</p>