

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-01191
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		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		7. If Unit or CA Agreement, Name and No. Natural Buttes Unit
3a. Address 1099 18th Street #600, Denver, CO 80202		8. Lease Name and Well No. NBU 1022-04L1T
3b. Phone No. (include area code) 720.929.6226		9. API Well No. 43-047-39994
4. Location of Well (Report location clearly and in accordance with any State requirements.)* At surface 2107' FSL & 842' FWL 632310X 39.976434 At proposed prod. zone N/A 44260814 -109.450582		10. Field and Pool, or Exploratory Natural Buttes Field
14. Distance in miles and direction from nearest town or post office* 23 miles		11. Sec., T. R. M. or Blk. and Survey or Area Sec. 4, T 10S R 22E NUSW
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 842'	16. No. of acres in lease 1041.78	12. County or Parish Uintah
17. Spacing Unit dedicated to this well 20	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1500'	19. Proposed Depth 8900'	20. BLM/BIA Bond No. on file WYB000291
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5071 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. | 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 04/08/2008
Title Regulatory Analyst		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 04-14-08
Title 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 09 2008

DIV. OF OIL, GAS & MINING

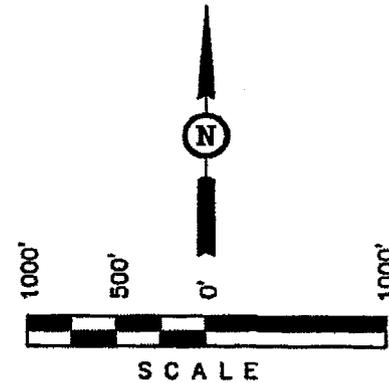
T10S, R22E, S.L.B.&M.

Kerr McGee Oil & Gas Onshore LP

Well location, NBU #1022-04L1T, located as shown in the NW 1/4 SW 1/4 of Section 4, 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, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.



CERTIFICATE OF ACCURACY

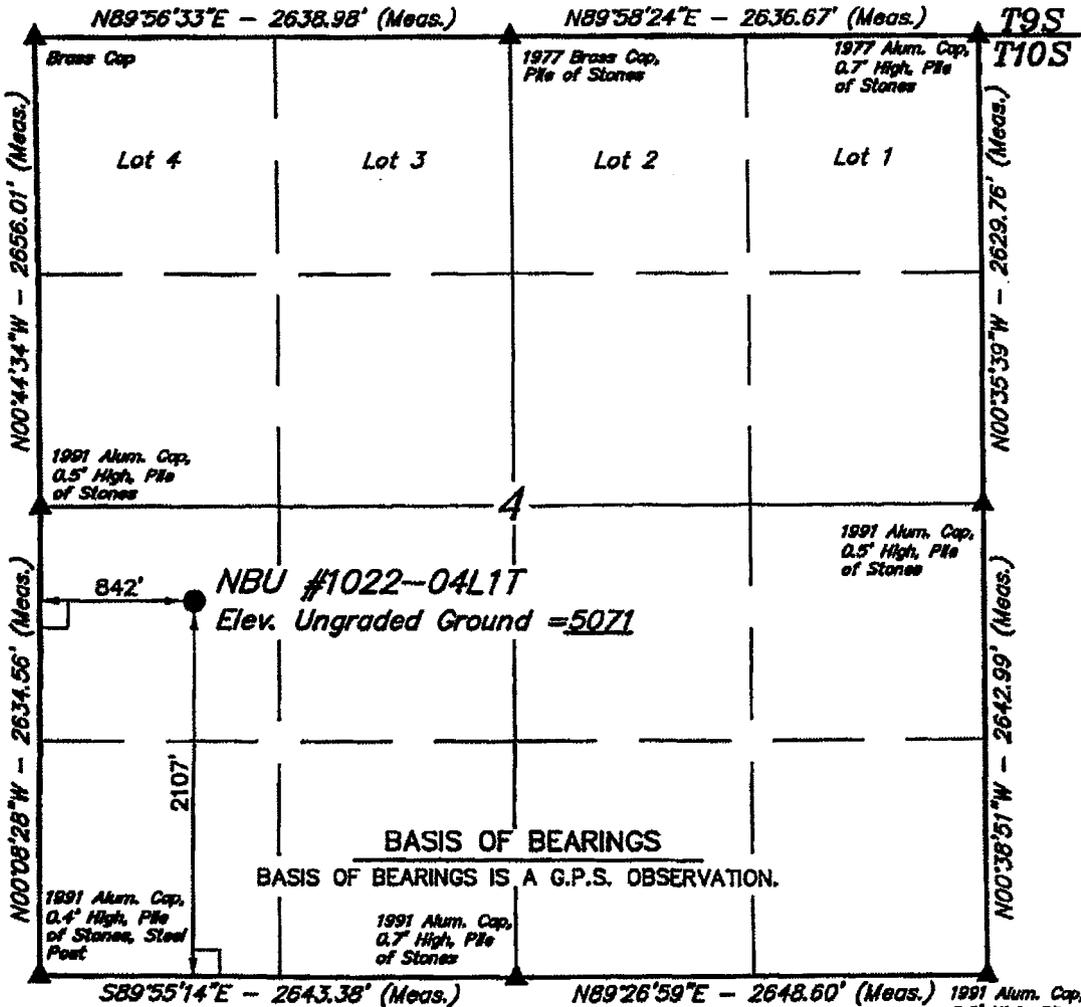
THIS IS TO CERTIFY THAT THE ABOVE DESCRIBED LAND WAS OBTAINED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAID SURVEYING AND CALCULATIONS TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161519
STATE OF UTAH

Revised 03-11-08 D.P.

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

SCALE 1" = 1000'	DATE SURVEYED: 02-15-08	DATE DRAWN: 02-19-08
PARTY L.K. J.M. C.C.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr McGee Oil & Gas Onshore LP	



LEGEND:

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

(NAD 83)
 LATITUDE = 39°58'35.46" (39.976517)
 LONGITUDE = 109°27'04.55" (109.451264)
 (NAD 27)
 LATITUDE = 39°58'35.58" (39.976550)
 LONGITUDE = 109°27'02.09" (109.450581)

NBU 1022-04L1T
NWSW SEC 4-T10S-R22E
UINTAH COUNTY, UTAH
UTU-01191

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 43' +/- . 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 18th 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

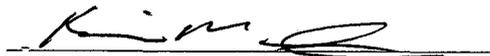
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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

April 8, 2008
Date

NBU 1022-04L1T
NWSW Sec. 4, T10S,R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1115'
Wasatch	4321'
Mesaverde	6821'
TD	8900'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1115'
Gas	Wasatch	4321'
Gas	Mesaverde	6821'
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 8900' TD, approximately equals 3503 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 1958 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

Maximum anticipated surface pressure equals approximately 1958 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.

Kerr-McGee Oil & Gas Onshore LP
NBU #1022-O4L1T
SECTION 4, 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, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 8.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 1.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE BEGINNING OF THE EXISTING ACCESS TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 43' TO THE LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.4 MILES.



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE April 8, 2008
 WELL NAME NBU 1022-04L1T TD 8,900' MD/TVD _____
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,071' GL KB 5,086'
 SURFACE LOCATION 2107' FSL & 842' FWL BHL Straight Hole
 Latitude: 39.976517 Longitude: -109.451264
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: BLM (SURF & MINERALS), UDOGM, Tri-County Health Dept.

GEOLOGICAL FORMATION		MECHANICAL			
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
	40'			14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,321' Green River @ 1,115' Top of Birds Nest Water @ 1,474' Preset fl GL @ 2,300' MD					
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.					
		Mahogany @ 1,831'			Water/Fresh Water Mud
Mud logging program TBD Open hole logging program f/ TD - surf csg			7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	8.3-11.5 ppg
		Wasatch @ 4,321'			
		Mverde @ 6,821'			
		MVU2 @ 7,737'			
		MVL1 @ 8,315'			
		TD @ 8,900'			Max anticipated Mud required 11.8 ppg



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
						1.00	1.88	6.25
PRODUCTION	4-1/2"	0 to 8900	11.60	I-80	LTC	7780	6350	201000
						2.22	1.16	2.23

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 3503 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
NOTE: If well will circulate water to surface, option 2 will be utilized							
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	3,820'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	420	60%	11.00	3.38
	TAIL	5,080'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1420	60%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
 Brad Laney

DRILLING SUPERINTENDENT: _____ DATE: _____
 Randy Bayne NBU 1022-04L1T.xls

Kerr-McGee Oil & Gas Onshore LP

NBU #1022-O4L1T

LOCATED IN UINTAH COUNTY, UTAH
SECTION 4, T10S, R22E, S.L.B.&M.

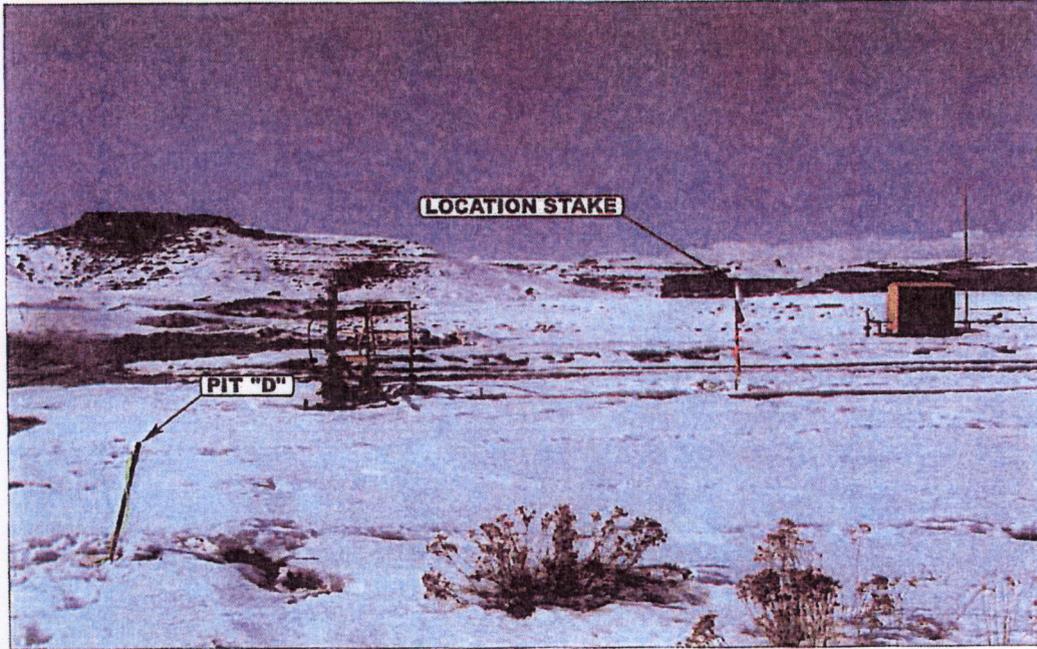


PHOTO: VIEW FROM PIT D TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHWESTERLY



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

LOCATION PHOTOS

2 21 08
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

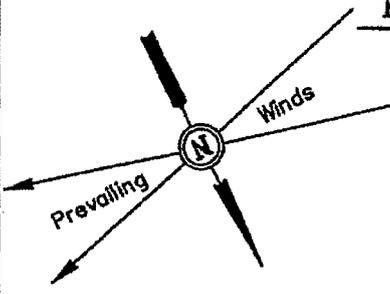
DRAWN BY: GL.

REVISED: 3-3-08

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

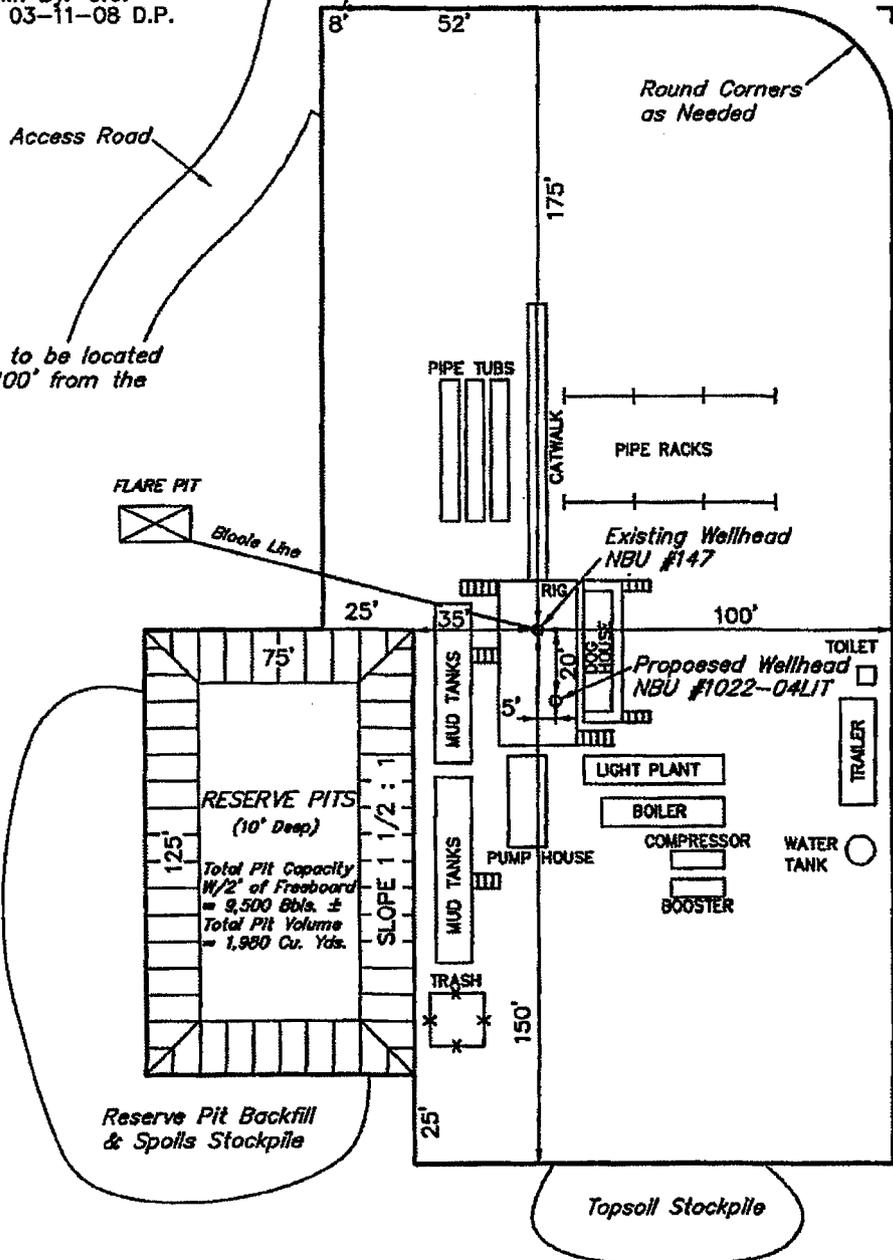
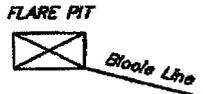
LOCATION LAYOUT FOR
 NBU #1022-04LIT
 SECTION 4, T10S, R22E, S.L.B.&M.
 2107' FSL 842 FWL



SCALE: 1" = 50'
 DATE: 02-19-08
 Drawn By: C.C.
 Revised 03-11-08 D.P.

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

Existing Access Road



NOTES:

Elev. as Shot Ground At Loc. Stake = 5071.2'

UINTAH ENGINEERING & LAND SURVEYING
 85 So. 800 East • Vernal, Utah 84078 • (435) 789-1017



LEGEND:

● PROPOSED LOCATION

N



Kerr-McGee Oil & Gas Onshore LP

NBU #1022-O4L1T

SECTION 4, T10S, R22E, S.L.B.&M.

2107 FSL 842 FWL



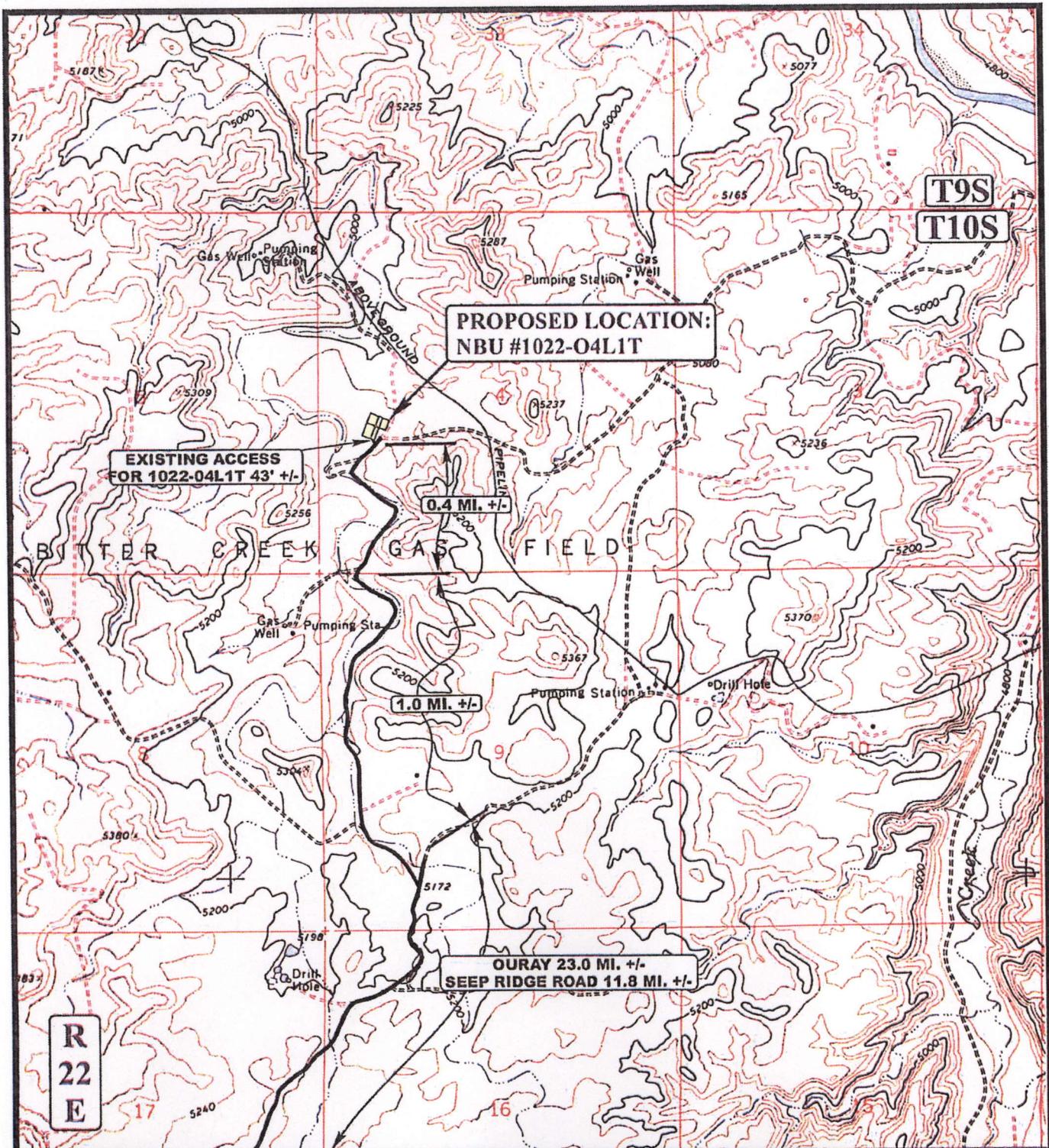
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

2	21	08
MONTH	DAY	YEAR



SCALE: 1:100,000 | DRAWN BY: GL. | REVISED: 3-3-08



LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD

N



Kerr-McGee Oil & Gas Onshore LP

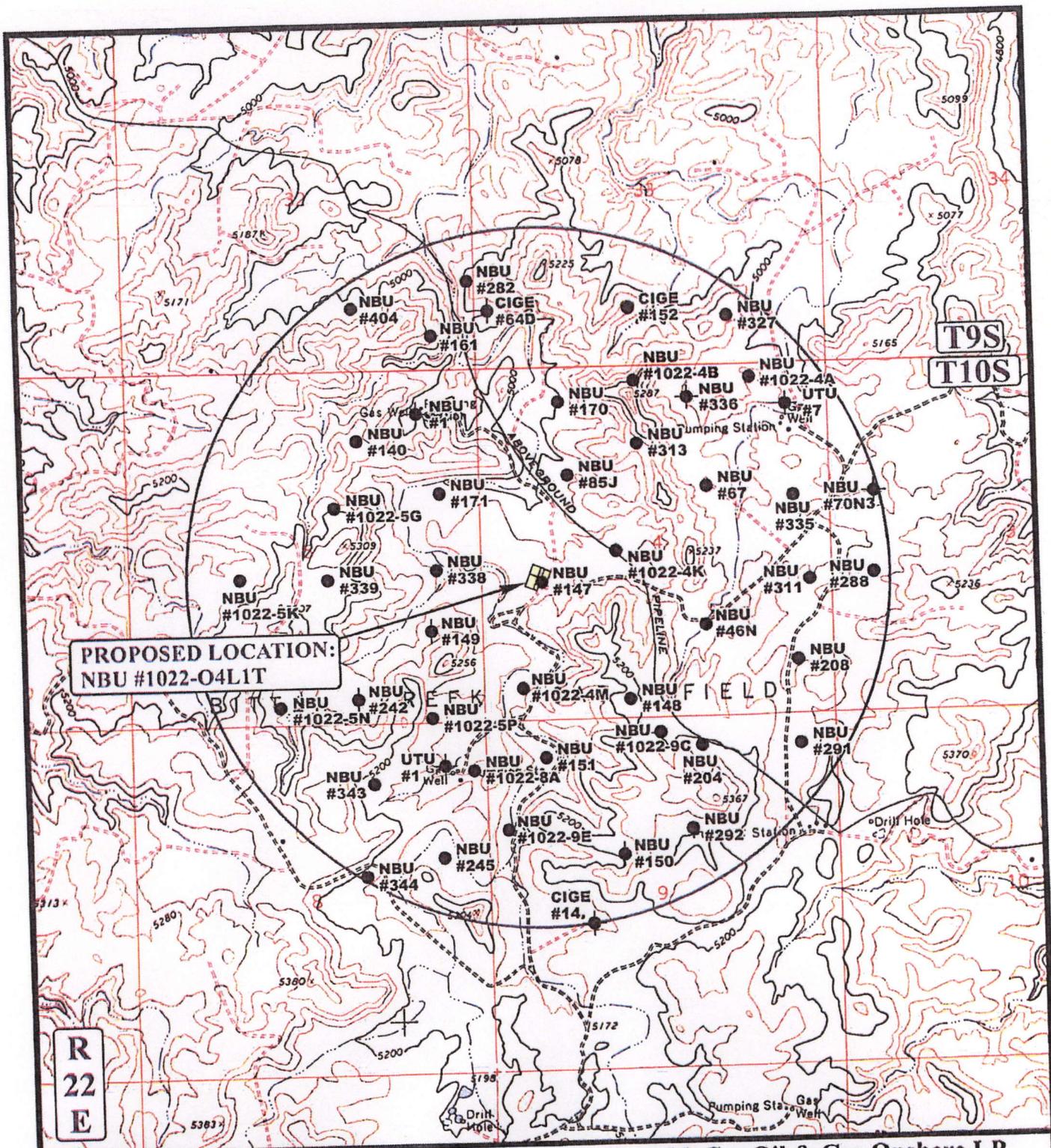
NBU #1022-O4L1T
 SECTION 4, T10S, R22E, S.L.B.&M.
 2107 FSL 842 FWL

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

TOPOGRAPHIC 2 21 08
MAP MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: GL. REVISED: 3-3-08

B
TOPO



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/09/2008

API NO. ASSIGNED: 43-047-39994

WELL NAME: NBU 1022-04L1T

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6226

CONTACT: KEVIN MCINTYRE

PROPOSED LOCATION:

NWSW 04 100S 220E
 SURFACE: 2107 FSL 0842 FWL
 BOTTOM: 2107 FSL 0842 FWL
 COUNTY: UINTAH
 LATITUDE: 39.97643 LONGITUDE: -109.4506
 UTM SURF EASTINGS: 632310 NORTHINGS: 4426081
 FIELD NAME: NATURAL BUTTES (630)

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

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191

PROPOSED FORMATION: WSMVD

SURFACE OWNER: 1 - Federal

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: 12-2-1994
Siting: 460' to 475' & uncomm. tract
- _____ R649-3-11. Directional Drill

COMMENTS:

See separate file

STIPULATIONS:

*1- Federal Approval
2- OIL SHALE*

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office

P.O. Box 45155

Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:

3160

(UT-922)

April 14, 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)

43-047-39992	NBU 1022-03DT Sec 03	T10S R22E 0756 FNL 0671 FWL
43-047-39993	NBU 1022-03G3T Sec 03	T10S R22E 2121 FNL 2143 FEL
43-047-39994	NBU 1022-04L1T Sec 04	T10S R22E 2107 FSL 0842 FWL
43-047-39995	NBU 1022-04NT Sec 04	T10S R22E 0284 FSL 2145 FWL
43-047-39996	NBU 1022-09F4T Sec 09	T10S R22E 2051 FNL 2021 FWL
43-047-39997	NBU 1022-10A2T Sec 10	T10S R22E 0201 FNL 0777 FEL

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:4-14-08



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 14, 2008

Kerr-McGee Oil & Gas Onshore, LP
1099 18th St., #600
Denver, CO 80202

Re: NBU 1022-04L1T Well, 2107' FSL, 842' FWL, NW SW, Sec. 4, 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 43-047-39994.

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 1022-04L1T

API Number: 43-047-39994

Lease: UTU-01191

Location: NW SW Sec. 4 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 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED

Form 3160-3
(August 2007)

APR 09 2008

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

BLM

APPLICATION FOR PERMIT TO DRILL OR REENTER

5. Lease Serial No. UTU-01191	
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 1022-04L1T	
9. API Well No. 43-047-39994	
10. Field and Pool, or Exploratory Natural Buttes Field	
11. Sec., T. R. M. or Blk. and Survey or Area Sec. 4, T 10S R 22E	
12. County or Parish Uintah	13. State UT
14. Distance in miles and direction from nearest town or post office* 23 miles	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 842'	16. No. of acres in lease 1041.78
17. Spacing Unit dedicated to this well 20	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1500'	19. Proposed Depth 8900'
20. BLM/BIA Bond No. on file WYB000291	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5071 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 04/08/2008
-------------------	--	--------------------

Title
Regulatory Analyst I

Approved by (Signature) 	Name (Printed Typed) Terry Kewicka	Date SEP 10 2008
-----------------------------	---------------------------------------	---------------------

Title Assistant Area 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.

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)

RECEIVED

SEP 16 2008

DIV. OF OIL, GAS & MINING

CONDITIONS OF APPROVAL ATTACHED

210061M
NOTICE OF APPROVAL

08Jm0066A

no nos posted 4-16-08



**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

Company: Kerr-McGee Oil & Gas Onshore, LP
Well No: NBU 1022-04L1T
API No: 43-047-39994

Location: NWSW, Sec. 4, T10S, R22E
Lease No: UTU-01191
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
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:	Darren Williams	(435) 781-4447	(435) 828-4029
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)***

- 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.

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

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Kerr McGee's Standard Operating Practices (dated 7/17/08 and approved 7/28/08) shall be on location.
- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted. 1. A copy of Kerr McGee's Standard Operating Practices (dated 7/17/08 and approved 7/28/08) shall be on location.
- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

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

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

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

- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. 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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

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

Well Name: NBU 1022-04L1T

Api No: 43-047-39994 Lease Type: FEDERAL

Section 04 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 02/14/2009

Time 8:00 AM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 02/17/2009 Signed CHD

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739994	NBU 1022-04L1T		NWSW	4	10S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	2/14/2009			2/19/09	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 02/14/2009 AT 0800 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737905	NBU 920-271		NESE	27	9S	20E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	2/15/2009			2/19/09	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 02/15/2009 AT 1000 HRS.							

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

Title

2/17/2009

Date

RECEIVED

FEB 17 2009

DIV. OF OIL, GAS & MINING

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. UTU01191
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 1022-04L1T
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T10S R22E NWSW 2107FSL 842FWL		9. API Well No. 43-047-39994
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

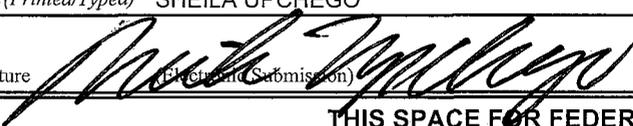
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 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# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 02/14/2009 AT 0800 HRS.

14. I hereby certify that the foregoing is true and correct. Electronic Submission #67331 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  (Electronic Submission)	Date 02/17/2009

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 **

FEB 19 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. UTU01191
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 1022-4L1T
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T10S R22E NWSW 2107FSL 842FWL		9. API Well No. 43-047-39994
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

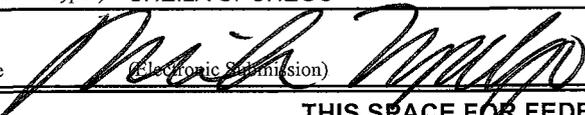
12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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

MIRU PROPETRO AIR RIG ON 02/17/2009. DRILLED 12 1/4" SURFACE HOLE TO 2415'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS TO PIT 200 PSI LIFT LAND PLUG FLOATS DID NOT HOLD TOP OUT W/675 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT

14. I hereby certify that the foregoing is true and correct. Electronic Submission #67550 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  (Electronic Submission)	Date 02/24/2009

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 02 2009

DIV OF OIL GAS & MINERALS

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. UTU01191
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 1022-4L1T
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T10S R22E NWSW 2107FSL 842FWL		9. API Well No. 43-047-39994
		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 2415' TO 8880' ON 04/06/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/460 SX PREM LITE II @11.7 PPG 2.88 YIELD. TAILED CMT W/975 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DISPLACE W/137 BBLs MAGNACIDE 10 BBL CMT BACK TO PIT LIFT PSI OF 2500 BUMPED PLUG @3155 PSI FLOATS HELD. SET AND TEST PACK OFF NIPPLE DOWN CLEAN PITS.

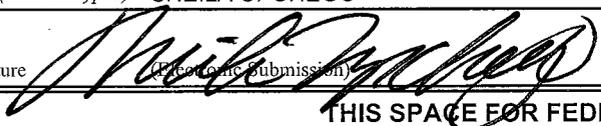
RELEASED PIONEER RIG 69 ON 04/07/2009 AT 1100 HRS.

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #68828 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 04/08/2009

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
APR 20 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-04L1T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399940000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2107 FSL 0842 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/23/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" 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 WAS PLACED ON PRODUCTION ON 07/23/2009 AT 09:00 AM. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 July 29, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 7/27/2009	

ROCKIES
Operation Summary Report

Well: NBU 1022-4L1T		Spud Conductor: 2/14/2009		Spud Date: 2/17/2009	
Project: UTAH		Site: UINTAH		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/17/2009		End Date: 4/7/2009	
Active Datum: RKB @5,071.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
2/17/2009	12:00 - 0:00	12.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1200 HR 2/17/09 DA AT REPORT TIME 840' DA
2/18/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1060'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1290'
2/19/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT TRONA WATER @ 1390' DA
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1830'
2/20/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 2250'
2/21/2009	0:00 - 9:00	9.00	DRLSUR	02		P		RIG T/D @ 2415' CONDITION HOLE 1 HR RUN SURVEY 1 DEG.
	9:00 - 12:00	3.00	DRLSUR	05		P		TRIP DP OUT OF HOLE
	12:00 - 15:00	3.00	DRLSUR	11		P		RUN 2367' OF 9 5/8 CSG RIG DOWN AIR RIG
	15:00 - 21:00	6.00	DRLSUR	15		P		RIG UP AND PUMP PIT DOWN CSG + - 3500 BBL
	21:00 - 22:00	1.00	DRLSUR	15		P		CEMENT 1ST STAGE WITH 350 SKS @ 15.8# 1.15 5.0 GAL/SK NO RETURNS TO PIT 200 PSI LIFT LAND PLUG FLOATS DID NOT HOLD SHUT IN WELL
	22:00 - 22:30	0.50	DRLSUR	15		P		1ST TOP JOB 100 SKS DOWN BS WOC
	22:30 - 0:00	1.50	DRLSUR	15		P		2ND TOP JOB 125 SKS DOWN BS WOC
								3RD TOP JOB 200 SKS DOWN BS WOC
								4TH TOP JOB 125 SKS DOWN BS WOC
								5TH TOP JOB 125 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
3/29/2009	0:00 - 7:00	7.00	MIRU	01	E	P		RDRT PREPARE F/ MOVE
	7:00 - 18:00	11.00	MIRU	01	B	P		SAFETY MEETING W/ KHUR TRUCKING,J&C CRANE,MOUNTAIN WEST & RIG CREWS ,MOVE RIG TO NBU 1022-04L1T RURT, DID NOT RAISE DERRICK DUE TO HIGH WINDS ,8 TRUCKS ,2- FORKLIFTS RELEASED & 16:00 ,CRANE REMAINED ON LOC TO FINISH R/U THIS A.M
	18:00 - 0:00	6.00	MIRU	01	B	P		R/U ACCUMULATORS ,SET STAIRS ,BEAVER SLIDE ,WATER ,AIR ,FILL PITS
3/30/2009	0:00 - 13:30	13.50	MIRU	01	B	P		RURT ,BOILER ,GAS BUSTER ,FLAIR LINES,RAISE DERRICK R/U FLOOR P/U KELLY NIPPLE UP BOP
	13:30 - 16:00	2.50	DRLPRO	13	A	P		SLIP ON NEW SPOOL OF DRILLING LINE
	16:00 - 19:30	3.50	DRLPRO	06	D	P		SAFETY MEETING W/ B&C QUICK TEST ,TEST UPPER& LOWER KELLY ,FLOOR VALVES ,PIPE RAMS ,BLIND RAMS IN&OUTSIDE KILL LINE & CHOKE VALVES,HCR VALVE ,CHOKE MANIFOLD 250 PSI-5000 PSI ,ANNULAR TO 2500 PSI
	19:30 - 0:00	4.50	DRLPRO	13	C	P		TEST CASING TO 1500 PSI ,QUICK TEST
3/31/2009	0:00 - 0:30	0.50	DRLPRO	13	C	P		SAFETY MEETING W/ WEATHERFORD ,R/U & P/U BHA ,R/D WEATHERFORD ,INSTALL DRLG RUBBER & DRIVE BUSHINGS
	0:30 - 5:00	4.50	DRLPRO	05	A	P		DRILLING CEMENT & F.E F/ 2297' TO 2415'
	5:00 - 8:00	3.00	DRLPRO	02	F	P		

RECEIVED July 27, 2009

ROCKIES
Operation Summary Report

Well: NBU 1022-4L1T Spud Conductor: 2/14/2009 Spud Date: 2/17/2009
 Project: UTAH Site: UINTAH Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 2/17/2009 End Date: 4/7/2009
 Active Datum: RKB @5,071.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	8:00 - 12:30	4.50	DRLPRO	02	B	P		SPUD @ 08:00 3/31/2009 ,DRLG & SURVEY F/ 2415' TO 2701' =286' =63.5 FPH ,WATER ,WOB 14 ,RPM 50 ,MOTOR RPM 100,SPP 1500 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 85-75-80 ,DIFF 100-200 ,OFF BTM 1350 (DRILLING BY HAND AUTO DRILLER CABLE TO DRUM CRAWLER BROKE)
	12:30 - 13:00	0.50	DRLPRO	06	A	P		RIG SERVICE & WILDCAT HERE TO REPAIR AUTO DRILLER
	13:00 - 0:00	11.00	DRLPRO	02	B	P		DRLG & SURVEY F/ 2701' TO 3607' =906' =82.3 FPH ,WATER ,WOB 16 ,RPM 55 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 , SPP 1650 ,ST WT UP DN ROT 110-100-105 ,DIFF 150-280 ,OFF BTM 1350
4/1/2009	0:00 - 3:30	3.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 3607' TO 4030' = 423' =120.8 FPH ,WATER ,WOB 16 ,RPM 55 ,MOTOR RPM 100 ,SPP 1650 ,SPM 120 ,GPM 454 , ST WT UP DN ROT 110-100-105 DIFF 150-280, OFF BTM 1375
	3:30 - 5:00	1.50	DRLPRO	07	A	Z		RIG REPAIR CIRCUIT BOARD OUT ON #1 DRAW WORKS MOTOR ,CHANGE THROTTLE CONTROL #2 DRAW WORKS MOTOR
	5:00 - 11:00	6.00	DRLPRO	02	B	P		DRLG F/ 4030' TO 4473' =443'=73.8 FPH ,WATER WT 8.4 ,VIS 27,WOB 18-20 ,RPM 55 ,MOTOR RPM 100 ,SPP 1800 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 122-112-118 DIFF 150-350 ,OFF BTM 1480
	11:00 - 11:30	0.50	DRLPRO	06	A	P		RIG SERVICE ADJUST BRAKES
	11:30 - 0:00	12.50	DRLPRO	02	B	P		DRLG F/ 4473' TO 5675' =120'=96.1 FPH ,WATER 8.4 ,VIS 27 ,WOB 18-20 ,RPM 55 ,MOTOR RPM 100 ,SPP 1750 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 135-125-130 ,DIFF 150-280 ,OFF BTM 1550
4/2/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG & SURVEY F/ 5675' TO 6465' 790' =52.6 FPH ,WATER WT 8.4 ,VIS 27 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 1850 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 140-125-134 ,DIFF 120-280 OFF BTM 1600
	15:00 - 15:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:30 - 19:00	3.50	DRLPRO	02	B	P		DRLG F/ 6465' TO 6628' =163' =46.6 FPH ,WT 8.7 ,VIS 36 ,RPM 55 ,MOTOR RPM 100 ,SPP 1900 ,SPM 120 ,GPM 454 ,ST WT UP/DN ROT 152-133-143 ,DIFF 120-280 ,OFF BTM 1620
	19:00 - 20:30	1.50	DRLPRO	07	B	P		RIG REPAIR WORK ON PUMPS SWABS& SEATS
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRLG F/ 6628' TO 6747'=119' =34 FPH ,WT 8.7 ,VIS 43 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2000 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 155-135-145 ,DIFF 120-280 ,OFF BTM 1700
4/3/2009	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRLG F/ 6747' TO 6765' =18'=36 FPH WT 8.7 ,VIS 43 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2000 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 155-135-145 ,DIFF 120-280 ,OFF BTM 1750
	0:30 - 1:00	0.50	DRLPRO	07	B	Z		WORK ON PUMPS
	1:00 - 14:30	13.50	DRLPRO	02	B	P		DRLG F/ 6765' TO 7223' =458'=33.9 FPH MUD WT 9.8 ,VIS 41 ,WOB 21 ,RPM 55 ,MOTOR RPM 100 ,SPP 2400,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 155-139-148 ,DIFF 120-310 ,OFF BTM 2100
	14:30 - 15:00	0.50	DRLPRO	06	A	P		RIG SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	B	P		DRLG F/ 7223' TO 7500' =277' =30.7 FPH ,MUD WT 10.2 ,VIS 39 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2500 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 165-145-155 ,DIFF 120-310 ,OFF BTM 2260

RECEIVED July 27, 2009

ROCKIES
Operation Summary Report

Well: NBU 1022-4L1T Spud Conductor: 2/14/2009 Spud Date: 2/17/2009
 Project: UTAH Site: UINTAH Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 2/17/2009 End Date: 4/7/2009
 Active Datum: RKB @5,071.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
4/4/2009	0:00 - 17:00	17.00	DRLPRO	02	B	P		DRLG F/ 7500' TO 8077' =577' =33.9 FPH ,MUD WT 11 ,VIS 39 ,WOB 21 ,RPM 55 ,MOTOR RPM 100 ,SPP 2700 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 170-145-160 ,DIFF 120-310 ,OFF BTM 2450
	17:00 - 17:30	0.50	DRLPRO	06	A	P		RIG SERVICE
	17:30 - 21:00	3.50	DRLPRO	02	B	P		DRLG F/ 8077' TO 8181' =104' =29.7 FPH ,MUD WT 11.4 ,VIS 41 ,WOB 24 ,RPM 55 ,MOTOR RPM 100 ,SPP 2700 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 170-145-160 ,DIFF 220 ,OFF BTM 2450
	21:00 - 22:00	1.00	DRLPRO	07	B	P		RIG REPAIR CHANGE SWAB #1 PUMP #2 PUMP DOWN
	22:00 - 22:30	0.50	DRLPRO	02	B	P		DRLG F/ 8181' TO 8187' =7' =14FPH ,MUD WT 11.4/41 ,VIS 41 ,WOB 24 ,RPM 55 ,MOTOR RPM 100 ,SPP 2700 ,SPM 120 ,GPM 454 , ST WT/UP/DN/ROT ,170-145-160 ,DIFF 220 ,OFF BTM 2450
4/5/2009	22:30 - 0:00	1.50	DRLPRO	04	C	P		CIRC & MIX PILL& PUMP PILL DROP SURVEY
4/5/2009	0:00 - 4:30	4.50	DRLPRO	05	A	P		TOOH W/ #1 BIT L/D MONEL ,MWD ,IBS ,MOTOR & BIT
	4:30 - 6:30	2.00	DRLPRO	05	A	P		P/U BIT #2 & NEW MUD MOTOR TIH TO CASING SHOE ,FILL PIPE
	6:30 - 7:30	1.00	DRLPRO	06	D	P		CUT & SLIP 60' DRLG LINE
	7:30 - 8:00	0.50	DRLPRO	06	A	P		LUBRICATE RIG
	8:00 - 10:30	2.50	DRLPRO	05	A	P		FINISH TIH W/ #2 BIT
	10:30 - 11:00	0.50	DRLPRO	03	D	P		WASH 30' TO BTM ,NO FILL
	11:00 - 0:00	13.00	DRLPRO	02	B	P		DRLG F/ 8187' TO 8724' =537' = 41.3 FPH ,MUD WT 11.8 ,VIS 45 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2800 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 175,155,165 ,DIFF 150-290 ,OFF BTM 2600
4/6/2009	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRLG F/ 8724' TO 8880' TD @ 04:00 4/6/2009 ,MUD WT 11.8 ,VIS 45 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2800 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 175-155-165 ,DIFF 150-290 ,OFF BTM 2600
	4:00 - 5:00	1.00	DRLPRO	04	C	P		CIRC F/ SHORT TRIP
	5:00 - 6:00	1.00	DRLPRO	05	E	P		SHORT TRIP TO 8100' ,NO PROBLEMS
	6:00 - 7:00	1.00	DRLPRO	04	C	P		CIRC F/ LDDP
	7:00 - 13:30	6.50	DRLPRO	05	A	P		SAFETY MEETING W/ WEATHERFORD R/U & LDDP ,BREAK KELLY ,L/D BHA
	13:30 - 21:00	7.50	DRLPRO	10	C	P		SAFETY MEETING W/ BAKER ATLAS R/U & RUN TRIPLE COMBO TO 8888' (LOGGERS DEPTH) LOG OUT, NO PROBLEMS ,R/D LOGGERS
4/7/2009	21:00 - 0:00	3.00	DRLPRO	11	B	P		SAFETY MEETING W/ WEATHERFORD R/U & RUN 4.5 PROD CASING
4/7/2009	0:00 - 1:00	1.00	DRLPRO	11	B	P		FINISH RUNNING 209 JTS 4.5 11.6 I-80 PROD CASING TO 8870' SHOE DEPTH ,FLOAT @ 8826' ,MARKER JT @ 4312'
	1:00 - 2:30	1.50	DRLPRO	04	E	P		CIRC F/ CEMENT ,30' FLARE, SAFETY MEETING W/ SCLUMBERGER
	2:30 - 6:00	3.50	DRLPRO	15	A	P		R/U & PUMP 20 BBLS CHEM WASH ,20 BBLS FRESH WATER ,460 SX=236 BBLS 11.7# TYPE G LEAD CEMENT ,975 SX =239 BBLS 14.3# 50/50 POZ TYPE G TAIL CEMENT, DISPLACE W/ 137 BBLS W/ MAGNACIDE,10 BBLS CMT BACK TO PIT,LIFT PSI 2500 ,BUMPED PLUG @ 3155 PSI, FLOATS HELD ,R/D CEMENTERS
	6:00 - 6:30	0.50	DRLPRO	13	B	P		SET & TEST PACK OFF

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ROCKIES

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Well: NBU 1022-4L1T		Spud Conductor: 2/14/2009		Spud Date: 2/17/2009				
Project: UTAH		Site: UINTAH		Rig Name No: PIONEER 69/69, PROPETRO/				
Event: DRILLING		Start Date: 2/17/2009		End Date: 4/7/2009				
Active Datum: RKB @5,071.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0						
Date	Time Start-End	Duration (hr)	Phase	Code	Subco ds2	P/U	MD From (ft)	Operation
	6:30 - 11:00	4.50	DRLPRO	13	A	P		NIPPLE DOWN ,CLEAN PITS RELEASE RIG @ 11:00 4/7/2009 ,RDRT, MOVE FRONT YARD TO NBU 1022-9D1T, WILL FINISH MOVE THIS AM

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ROCKIES
Operation Summary Report

Well: NBU 1022-4L1T		Spud Conductor: 2/14/2009		Spud Date: 2/17/2009	
Project: UTAH		Site: UINTAH		Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION		Start Date: 7/16/2009		End Date: 7/21/2009	
Active Datum: RKB @5,071.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
7/16/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, R/U
	7:15 - 17:00	9.75	COMP	47	A			ROAD RIG FROM NBU 1022-7J-2T, MIRU, SPOT EQUIP, N/D WELL HEAD, N/U BOP, R/U TBG EQUIP, P/U 3-7/8 MILL, TALLEY & P/U 244 JNTS 2-3/8 J-55 TBG, EOT @ 7704', POOH STNDG BACK, L/D MILL, N/D BOPS, N/U FRAC VALVES, SWIFN.
7/17/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, P/T
	7:15 - 15:00	7.75	COMP	33	D	P		MIRU B& TESTERS, P/T CSG & FRAC VALVES TO 7500#, MIRU SCHLUMBERGER WIRE LINE, P/U RIH W/ 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 3 SPF, 120° PH, [42 HOLES] 8782'-8786' 12 HOLES. 8696'-8706' 30 HOLES. SWI. READY TO FRAC MON.
7/20/2009	7:00 - 8:30	1.50	COMP	48		P		HSM, FRACING / MIRU SCHLUMBERGER FRAC EQUIP. P/T SURFACE LINES TO 8000# READY TO FRAC

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 Project: UTAH Site: UINTAH Rig Name No: MILES-GRAY 1/1
 Event: COMPLETION Start Date: 7/16/2009 End Date: 7/21/2009
 Active Datum: RKB @5,071.00ft (above Mean Sea Level) UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	8:00 - 8:00	0.00	COMP	36		P		<p>FRAC MESAVERDE 8696'-876' [42 HOLES] STG #1]WHP=1598#, BRK DN PERFS @ 2605#, INJ PSI=6000#, INJ RT=50, ISIP=2250#, FG=.69, PUMP'D 1490.1 BBLS SLK WTR W/ 54258# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2750#. FG=.74, AR=45.5, AP=5078#, MR=51.7, MP=6841#, NPI=500#, 29/42 CALC PERFS OPEN 69%</p> <p>STG #2] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 8552'-8556' 4 SPF, 90° PH, 16 HOLES. 8524'-8528' 3 SPF, 120° PH, 12 HOLES. 8458'-8462' 3 SPF, 120° PH, 12 HOLES. [40 HOLES]</p> <p>WHP=1130#, BRK DN PERFS @ 3448#, INJ PSI=5400#, INJ RT=50, ISIP=2550#, FG=.73, PUMP'D 544.4 BBLS SLK WTR W/ 17609# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2750#. FG=.75, AR=42, AP=4665#, MR=52, MP=5625#, NPI=200#, 31/40 CALC PERFS OPEN 76%</p> <p>STG #3] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 8336'-8344' 3 SPF, 120° PH, 24 HOLES. 8304'-8308' 3 SPF, 120° PH, 12 HOLES. 8288'-8290' 3 SPF, 120° PH, 6 HOLES. [42 HOLES]</p> <p>WHP=890#, BRK DN PERFS @ 3122#, INJ PSI=5200#, INJ RT=51.5, ISIP=2300#, FG=.71, PUMP'D 993.8 BBLS SLK WTR W/ 37149# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2700#. FG=.75, AR=45.5, AP=4716#, MR=51.7, MP=5717#, NPI=400#, 32/42 CALC PERFS OPEN</p> <p>STG #4] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 8201'-8205' 4 SPF, 90° PH, 16 HOLES. 8177'-8180' 3 SPF, 120° PH, 9 HOLES. 8150'-8153' 3 SPF, 120° PH, 9 HOLES. 8075'-8078' 3 SPF, 120° PH, 9 HOLES. [43 HOLES]</p> <p>WHP=1335#, BRK DN PERFS @ 3022#, INJ PSI=5100#, INJ RT=51.2, ISIP=2250#, FG=.71, PUMP'D 963.5 BBLS SLK WTR W/ 35853# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2700#. FG=.76, AR=45.9, AP=4862#, MR=51.6, MP=5640#, NPI=450#, 30/43 CALC PERFS OPEN 71%</p> <p>STG #5] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 7969'-7974' 4 SPF, 90° PH, 20 HOLES. 7920'-7923' 3 SPF, 120° PH, 9 HOLES. 7881'-7885' 3 SPF, 120° PH, 12 HOLES. [41 HOLES]</p> <p>WHP=660#, BRK DN PERFS @ 3343#, INJ PSI=4055#, INJ RT=51.4, ISIP=2150#, FG=.72, PUMP'D 881.5 BBLS SLK WTR W/ 32287# 30/50</p>

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Project: UTAH	Site: UINTAH	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/16/2009	End Date: 7/21/2009
Active Datum: RKB @5,071.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
								<p>MESH W/ NO RESIN COAT IN TAIL. ISIP=2100#. FG=69, AR=45.7, AP=4035#, MR=51.7, MP=4709#, NPI=-50#, 41/41 CALC PERS OPEN 100%</p> <p>STG #6] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE. 7802'-7806' 4 SPF, 90° PH, 16 HOLES. 7777'-7780' 3 SPF, 120° PH, 9 HOLES. 7758'-7780' 3 SPF, 120° PH, 9 HOLES. 7715'-7718' 3 SPF, 120° PH, 9 HOLES.[43 HOLES]</p> <p>WHP=416#, BRK DN PERFS @ 3052#, INJ PSI=4700#, INJ RT=51.5, ISIP=2000#, FG=69, PUMP'D 1229.9 BBLS SLK WTR W/ 48141# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2200#. FG=71, AR=46.9, AP=#4045, MR=51.7, MP=4789#, NPI=200#, 43/43 CALC PERFS OPEN 100%</p> <p>STG #7] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 7646'-7648' 4 SPF, 90° PH, 8 HOLES. 7593'-7597' 3 SPF, 120° PH, 16 HOLES. 7568'-7570' 3 SPF, 120° PH, 6 HOLES. 7531'-7533' 3 SPF, 120° PH, 6 HOLES. 7512'-7514' 3 SPF, 120° PH, 6 HOLES. [42 HOLES]</p> <p>WHP=300#, BRK DN PERFS @ 2866#, INJ PSI=4100#, INJ RT=51.4, ISIP=1800#, FG=67, PUMP'D 975 BBLS SLK WTR W/ 37303# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2400#. FG=75, AR=45.2, AP=4107#, MR=51.6, MP=4791#, NPI=600#, 41/42 CALC PERFS OPEN 98%</p> <p>STG #8] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 7316'-7320' 4 SPF, 90° PH, 16 HOLES. 7247'-7250' 3 SPF, 120° PH, 9 HOLES. 7222'-7225' 3 SPF, 120° PH, 9 HOLES. 7193'-7196' 3 SPF, 120° PH, 9 HOLES. [43 HOLES]</p> <p>WHP=330#, BRK DN PERFS @ 2097#, INJ PSI=3900#, INJ RT=50, ISIP=1350#, FG=62, PUMP'D 1431 BBLS SLK WTR W/ 60616# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2160#. FG=73, AR=47.1, AP=3713#, MR=50.6, MP=4379#, NPI=810#, 31/43 CALC PERFS OPEN 73%</p> <p>P/U RIH W/ HALIBURTON 8K CBP, SETY CBP @ 7143', POOH R/D SCHLUMBERGER FRAC & WIRELINE EQUIP SWIFN. HSM, REVIEW DRLG OUT PLUGS / LANDING TBG</p>
7/21/2009	7:00 - 7:15	0.25	COMP	48		P		

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Well: NBU 1022-4L1T		Spud Conductor: 2/14/2009		Spud Date: 2/17/2009	
Project: UTAH		Site: UINTAH		Rig Name No: MILES-GRAY 1/1	
Event: COMPLETION		Start Date: 7/16/2009		End Date: 7/21/2009	
Active Datum: RKB @5,071.00ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode2	P/U	MD From (ft)	Operation
	7:15 - 7:15	0.00	COMP	44	C			<p>OPEN WELL 0# SICP, N/D FRAC VALVES, N/U BOPS, R/U TBG EQUIP, P/U 3-7/8 HURRICANE MILL W/ POBS PKG, RIH W/ 2-3/8 J-55 TBG, TAG KILL PLUG @ 7133', P/U PWR SWVL, EST CIRC W/ RIG PUMP.</p> <p>PLUG #1] DRL THROUGH HALIBURTON 8K CBP @ 7133' IN 12 MIN. W/ 800# INCREASE.</p> <p>PLUG #2] CONTINUE TO RIH, TAG SAND @ 7320', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 7350' IN 12 MIN. W/ 800# INCREASE.</p> <p>PLUG #3] CONTINUE TO RIH, TAG SAND @ 7648', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 7678' IN 12 MIN. W/ 500# INCREASE.</p> <p>PLUG #4] CONTINUE TO RIH, TAG SAND @ 7806', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 7836' IN 12 MIN. W/ 500# INCREASE.</p> <p>PLUG #5] CONTINUE TO RIH, TAG SAND @ 7974', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8004' IN 12 MIN. W/ 500# INCREASE.</p> <p>PLUG #6] CONTINUE TO RIH, TAG SAND @ 8205', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8235' IN 12 MIN. W/ 700# INCREASE.</p> <p>PLUG #7] CONTINUE TO RIH, TAG SAND @ 8344', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8374' IN 12 MIN. W/ 1000# INCREASE.</p> <p>PLUG #8] CONTINUE TO RIH, TAG SAND @ 8556', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8586' IN 12 MIN. W/ 900# INCREASE. CONTINUE TO RIH & C/O TO PBD @ 8825' CIRC HOLE, R/D PWR SWVL, L/D 14 JNTS ON FLOAT, P/U & LUBRICATE HANGER IN WELL W/ 266 JNTS 2-3/8 J-55 TBG. [EOT @ 8407.69] N/D BOPS, N/U WELL HEAD, DROP BALL, PUMP OFF MILL 1/2 BBL @ 2800#, LEAVE WELL SHUT IN FOR 1/2 HR, TURN OVER TO F/B CREW.</p>
7/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2450#, 20/64" CK, 60 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 3415 BBLs LEFT TO RECOVER: 5094
7/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2450#, 20/64" CK, 40 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 4520 BBLs LEFT TO RECOVER: 3989
	9:00 -		PROD	50				WELL TURNED TO SALE @ 0900 HR ON 7/23/2009 - FTP2600#, CP 3200#, 2.2 MCFD, 40 BWPD, 16/64 CK
7/24/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3000#, TP 2550#, 16/64" CK, 25 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 5235 BBLs LEFT TO RECOVER: 3274
7/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2700#, 14/64" CK, 14 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 5589 BBLs LEFT TO RECOVER: 2920

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43-047-39994

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US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4L1T	Spud Conductor: 2/14/2009	Spud Date: 2/17/2009
Project: UTAH-UINTAH	Site: NBU 1022-4L1T	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/17/2009	End Date: 4/7/2009
Active Datum: RKB @5,071.01ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00W/0/842.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/17/2009	12:00 - 0:00	12.00	DRLSUR	02		P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1200 HR 2/17/09 DA AT REPORT TIME 840' DA
2/18/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1060'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD NO WATER 1290'
2/19/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD HIT TRONA WATER @ 1390' DA
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1830'
2/20/2009	0:00 - 12:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010'
	12:00 - 0:00	12.00	DRLSUR	02		P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 2250'
2/21/2009	0:00 - 9:00	9.00	DRLSUR	02		P		RIG T/D @ 2415' CONDITION HOLE 1 HR RUN SURVEY 1 DEG.
	9:00 - 12:00	3.00	DRLSUR	06		P		TRIP DP OUT OF HOLE
	12:00 - 15:00	3.00	DRLSUR	12		P		RUN 2367' OF 9 5/8 CSG RIG DOWN AIR RIG
	15:00 - 21:00	6.00	DRLSUR	12		P		RIG UP AND PUMP PIT DOWN CSG + - 3500 BBL
	21:00 - 22:00	1.00	DRLSUR	12		P		CEMENT 1ST STAGE WITH 350 SKS @ 15.8# 1.15 5.0 GAL/SK NO RETURNS TO PIT 200 PSI LIFT LAND PLUG FLOATS DID NOT HOLD SHUT IN WELL
	22:00 - 22:30	0.50	DRLSUR	12		P		1ST TOP JOB 100 SKS DOWN BS WOC
	22:30 - 0:00	1.50	DRLSUR	12		P		2ND TOP JOB 125 SKS DOWN BS WOC
								3RD TOP JOB 200 SKS DOWN BS WOC
								4TH TOP JOB 125 SKS DOWN BS WOC
								5TH TOP JOB 125 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE
3/29/2009	0:00 - 7:00	7.00	MIRU	01	E	P		RDRT PREPARE F/ MOVE
	7:00 - 18:00	11.00	MIRU	01	B	P		SAFETY MEETING W/ KHUR TRUCKING,J&C CRANE,MOUNTAIN WEST & RIG CREWS ,MOVE RIG TO NBU 1022-04L1T RURT, DID NOT RAISE DERRICK DUE TO HIGH WINDS ,8 TRUCKS ,2-FORKLIFTS RELEASED & 16:00 ,CRANE REMAINED ON LOC TO FINISH R/U THIS A.M
	18:00 - 0:00	6.00	MIRU	01	B	P		R/U ACCUMULATORS ,SET STAIRS ,BEAVER SLIDE ,WATER ,AIR ,FILL PITS
3/30/2009	0:00 - 13:30	13.50	MIRU	01	B	P		RURT ,BOILER ,GAS BUSTER ,FLAIR LINES,RAISE DERRICK R/U FLOOR P/U KELLY NIPPLE UP BOP
	13:30 - 16:00	2.50	DRLPRO	14	A	P		SLIP ON NEW SPOOL OF DRILLING LINE
	16:00 - 19:30	3.50	DRLPRO	09	A	P		SAFETY MEETING W/ B&C QUICK TEST ,TEST UPPER& LOWER KELLY ,FLOOR VALVES ,PIPE RAMS ,BLIND RAMS IN&OUTSIDE KILL LINE & CHOKE VALVES,HCR VALVE ,CHOKE MANIFOLD 250 PSI-5000 PSI ,ANNULAR TO 2500 PSI
	19:30 - 0:00	4.50	DRLPRO	15	A	P		TEST CASING TO 1500 PSI ,QUICK TEST
3/31/2009	0:00 - 0:30	0.50	DRLPRO	15	A	P		SAFETY MEETING W/ WEATHERFORD ,R/U & P/U BHA ,R/D WEATHERFORD ,INSTALL DRLG RUBBER & DRIVE BUSHINGS
	0:30 - 5:00	4.50	DRLPRO	06	A	P		DRILLING CEMENT & F.E F/ 2297' TO 2415'
	5:00 - 8:00	3.00	DRLPRO	02	F	P		

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-4L1T Spud Conductor: 2/14/2009 Spud Date: 2/17/2009
 Project: UTAH-UINTAH Site: NBU 1022-4L1T Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 2/17/2009 End Date: 4/7/2009
 Active Datum: RKB @5,071.01ft (above Mean Sea Level) UWI: 0/10/S/22/E/4/O/NWSW/6/PM/S/2,107.00/W/O/842.00/O/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:00 - 12:30	4.50	DRLPRO	02	B	P		SPUD @ 08:00 3/31/2009 ,DRLG & SURVEY F/ 2415' TO 2701' =286' =63.5 FPH ,WATER ,WOB 14 ,RPM 50 ,MOTOR RPM 100,SPP 1500 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 85-75-80 ,DIFF 100-200 ,OFF BTM 1350 (DRILLING BY HAND AUTO DRILLER CABLE TO DRUM CRAWLER BROKE)
	12:30 - 13:00	0.50	DRLPRO	07	A	P		RIG SERVICE & WILDCAT HERE TO REPAIR AUTO DRILLER
	13:00 - 0:00	11.00	DRLPRO	02	B	P		DRLG & SURVEY F/ 2701' TO 3607' =906' =82.3 FPH ,WATER ,WOB 16 ,RPM 55 ,MOTOR RPM 100 ,SPM 120 ,GPM 454 , SPP 1650 ,ST WT UP DN ROT 110-100-105 ,DIFF 150-280 ,OFF BTM 1350
4/1/2009	0:00 - 3:30	3.50	DRLPRO	02	B	P		DRILL & SURVEY F/ 3607' TO 4030' = 423' =120.8 FPH ,WATER ,WOB 16 ,RPM 55 ,MOTOR RPM 100 ,SPP 1650 ,SPM 120 ,GPM 454 ,ST WT UP DN ROT 110-100-105 DIFF 150-280 , OFF BTM 1375
	3:30 - 5:00	1.50	DRLPRO	08	A	Z		RIG REPAIR CIRCUIT BOARD OUT ON #1 DRAW WORKS MOTOR ,CHANGE THROTTLE CONTROL #2 DRAW WORKS MOTOR
	5:00 - 11:00	6.00	DRLPRO	02	B	P		DRLG F/ 4030' TO 4473' =443'=73.8 FPH ,WATER WT 8.4 ,VIS 27,WOB 18-20 ,RPM 55 ,MOTOR RPM 100 ,SPP 1800 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 122-112-118 DIFF 150-350 ,OFF BTM 1480
	11:00 - 11:30	0.50	DRLPRO	07	A	P		RIG SERVICE ADJUST BRAKES
	11:30 - 0:00	12.50	DRLPRO	02	B	P		DRLG F/ 4473' TO 5675' =120'=96.1 FPH ,WATER 8.4 ,VIS 27 ,WOB 18-20 ,RPM 55 ,MOTOR RPM 100 ,SPP 1750 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 135-125-130 ,DIFF 150-280 ,OFF BTM 1550
4/2/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG & SURVEY F/ 5675' TO 6465' 790' =52.6 FPH ,WATER WT 8.4 ,VIS 27 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 1850 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 140-125-134 ,DIFF 120-280 OFF BTM 1600
	15:00 - 15:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:30 - 19:00	3.50	DRLPRO	02	B	P		DRLG F/ 6465' TO 6628' =163' =46.6 FPH ,WT 8.7 ,VIS 36 ,RPM 55 ,MOTOR RPM 100 ,SPP 1900 ,SPM 120 ,GPM 454 ,ST WT UP/DN ROT 152-133-143 ,DIFF 120-280 ,OFF BTM 1620
	19:00 - 20:30	1.50	DRLPRO	08	B	P		RIG REPAIR WORK ON PUMPS SWABS& SEATS
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRLG F/ 6628' TO 6747' =119' =34 FPH ,WT 8.7 ,VIS 43 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2000 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 155-135-145 ,DIFF 120-280 ,OFF BTM 1700
4/3/2009	0:00 - 0:30	0.50	DRLPRO	02	B	P		DRLG F/ 6747' TO 6765' =18'=36 FPH WT 8.7 ,VIS 43 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2000 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 155-135-145 ,DIFF 120-280 ,OFF BTM 1750
	0:30 - 1:00	0.50	DRLPRO	08	B	Z		WORK ON PUMPS
	1:00 - 14:30	13.50	DRLPRO	02	B	P		DRLG F/ 6765' TO 7223' =458'=33.9 FPH MUD WT 9.8 ,VIS 41 ,WOB 21 ,RPM 55 ,MOTOR RPM 100 ,SPP 2400,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 155-139-148 ,DIFF 120-310 ,OFF BTM 2100
	14:30 - 15:00	0.50	DRLPRO	07	A	P		RIG SERVICE
	15:00 - 0:00	9.00	DRLPRO	02	B	P		DRLG F/ 7223' TO 7500' =277' =30.7 FPH ,MUD WT 10.2 ,VIS 39 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2500 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 165-145-155 ,DIFF 120-310 ,OFF BTM 2260

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-4L1T	Spud Conductor: 2/14/2009	Spud Date: 2/17/2009
Project: UTAH-UINTAH	Site: NBU 1022-4L1T	Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/17/2009	End Date: 4/7/2009
Active Datum: RKB @5,071.01ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/4/2009	0:00 - 17:00	17.00	DRLPRO	02	B	P		DRLG F/ 7500' TO 8077' =577' =33.9 FPH ,MUD WT 11 ,VIS 39 ,WOB 21 ,RPM 55 ,MOTOR RPM 100 ,SPP 2700 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 170-145-160 ,DIFF 120-310 ,OFF BTM 2450
	17:00 - 17:30	0.50	DRLPRO	07	A	P		RIG SERVICE
	17:30 - 21:00	3.50	DRLPRO	02	B	P		DRLG F/ 8077' TO 8181' =104' =29.7 FPH ,MUD WT 11.4 ,VIS 41 ,WOB 24 ,RPM 55 ,MOTOR RPM 100 ,SPP 2700 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 170-145-160 ,DIFF 220 ,OFF BTM 2450
	21:00 - 22:00	1.00	DRLPRO	08	B	P		RIG REPAIR CHANGE SWAB #1 PUMP #2 PUMP DOWN
	22:00 - 22:30	0.50	DRLPRO	02	B	P		DRLG F/ 8181' TO 8187' =7' =14FPH ,MUD WT 11.4/41,VIS 41 ,WOB 24 ,RPM 55 ,MOTOR RPM 100 ,SPP 2700 ,SPM 120 ,GPM 454 , ST WT/UP/DN/ROT ,170-145-160 ,DIFF 220 ,OFF BTM 2450
4/5/2009	22:30 - 0:00	1.50	DRLPRO	05	C	P		CIRC & MIX PILL& PUMP PILL DROP SURVEY
	0:00 - 4:30	4.50	DRLPRO	06	A	P		TOOH W/ #1 BIT L/D MONEL ,MWD ,IBS ,MOTOR & BIT
	4:30 - 6:30	2.00	DRLPRO	06	A	P		P/U BIT #2 & NEW MUD MOTOR TIH TO CASING SHOE ,FILL PIPE
	6:30 - 7:30	1.00	DRLPRO	09	A	P		CUT & SLIP 60' DRLG LINE
	7:30 - 8:00	0.50	DRLPRO	07	A	P		LUBRICATE RIG
	8:00 - 10:30	2.50	DRLPRO	06	A	P		FINISH TIH W/ #2 BIT
	10:30 - 11:00	0.50	DRLPRO	03	D	P		WASH 30' TO BTM ,NO FILL
	11:00 - 0:00	13.00	DRLPRO	02	B	P		DRLG F/ 8187' TO 8724' =537' = 41.3 FPH ,MUD WT 11.8 ,VIS 45 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2800 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 175,155,165 ,DIFF 150-290 ,OFF BTM 2600
4/6/2009	0:00 - 4:00	4.00	DRLPRO	02	B	P		DRLG F/ 8724' TO 8880' TD @ 04:00 4/6/2009 ,MUD WT 11.8 ,VIS 45 ,WOB 20 ,RPM 55 ,MOTOR RPM 100 ,SPP 2800 ,SPM 120 ,GPM 454 ,ST WT UP/DN/ROT 175-155-165 ,DIFF 150-290 ,OFF BTM 2600
	4:00 - 5:00	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
	5:00 - 6:00	1.00	DRLPRO	06	E	P		SHORT TRIP TO 8100' ,NO PROBLEMS
	6:00 - 7:00	1.00	DRLPRO	05	C	P		CIRC F/ LDDP
	7:00 - 13:30	6.50	DRLPRO	06	A	P		SAFETY MEETING W/ WEATHERFORD R/U & LDDP ,BREAK KELLY ,L/D BHA
	13:30 - 21:00	7.50	DRLPRO	11	C	P		SAFETY MEETING W/ BAKER ATLAS R/U & RUN TRIPLE COMBO TO 8888' (LOGGERS DEPTH) LOG OUT, NO PROBLEMS ,R/D LOGGERS
	21:00 - 0:00	3.00	DRLPRO	12	C	P		SAFETY MEETING W/ WEATHERFORD R/U & RUN 4.5 PROD CASING
4/7/2009	0:00 - 1:00	1.00	DRLPRO	12	C	P		FINISH RUNNING 209 JTS 4.5 11.6 I-80 PROD CASING TO 8870' SHOE DEPTH ,FLOAT @ 8826' ,MARKER JT @ 4312'
	1:00 - 2:30	1.50	DRLPRO	05	D	P		CIRC F/ CEMENT ,30' FLARE, SAFETY MEETING W/ SCLUMBERGER
	2:30 - 6:00	3.50	DRLPRO	12	E	P		R/U & PUMP 20 BBLS CHEM WASH ,20 BBLS FRESH WATER ,460 SX=236 BBLS 11.7# TYPE G LEAD CEMENT ,975 SX =239 BBLS 14.3# 50/50 POZ TYPE G TAIL CEMENT, DISPLACE W/ 137 BBLS W/ MAGNACIDE,10 BBLS CMT BACK TO PIT,LIFT PSI 2500 ,BUMPED PLUG @ 3155 PSI, FLOATS HELD ,R/D CEMENTERS
	6:00 - 6:30	0.50	DRLPRO	14	B	P		SET & TEST PACK OFF

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-4L1T		Spud Conductor: 2/14/2009		Spud Date: 2/17/2009	
Project: UTAH-UINTAH			Site: NBU 1022-4L1T		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING			Start Date: 2/17/2009		End Date: 4/7/2009
Active Datum: RKB @5,071.01ft (above Mean Sea Level)			UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:30 - 11:00	4.50	DRLPRO	14	A	P		NIPPLE DOWN ,CLEAN PITS RELEASE RIG @ 11:00 4/7/2009 ,RDRT, MOVE FRONT YARD TO NBU 1022-9D1T, WILL FINISH MOVE THIS AM

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-4L1T	Spud Conductor: 2/14/2009	Spud Date: 2/17/2009
Project: UTAH-UINTAH	Site: NBU 1022-4L1T	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/16/2009	End Date: 7/21/2009
Active Datum: RKB @5,071.01ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
7/16/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, R/U
	7:15 - 17:00	9.75	COMP	47	A			ROAD RIG FROM NBU 1022-7J-2T, MIRU, SPOT EQUIP, N/D WELL HEAD, N/U BOP, R/U TBG EQUIP, P/U 3-7/8 MILL, TALLEY & P/U 244 JNTS 2-3/8 J-55 TBG, EOT @ 7704', POOH STNDG BACK, L/D MILL, N/D BOPS, N/U FRAC VALVES, SWIFN.
7/17/2009	7:00 - 7:15	0.25	COMP	48		P		HSM, P/T
	7:15 - 15:00	7.75	COMP	33	D	P		MIRU B& TESTERS, P/T CSG & FRAC VALVES TO 7500#, MIRU SCHLUMBERGER WIRE LINE, P/U RIH W/ 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 3 SPF, 120* PH, [42 HOLES] 8782'-8786' 12 HOLES. 8696'-8706' 30 HOLES. SWI. READY TO FRAC MON.
7/20/2009	7:00 - 8:30	1.50	COMP	48		P		HSM, FRACING / MIRU SCHLUMBERGER FRAC EQUIP. P/T SURFACE LINES TO 8000# READY TO FRAC

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-4L1T	Spud Conductor: 2/14/2009	Spud Date: 2/17/2009
Project: UTAH-UINTAH	Site: NBU 1022-4L1T	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/16/2009	End Date: 7/21/2009
Active Datum: RKB @5,071.01ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	8:00 - 8:00	0.00	COMP	36		P		<p>FRAC MESAVERDE 8696'-876' [42 HOLES] STG #1]WHP=1598#, BRK DN PERFS @ 2605#, INJ PSI=6000#, INJ RT=50, ISIP=2250#, FG=69, PUMP'D 1490.1 BBLS SLK WTR W/ 54258# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2750#. FG=74, AR=45.5, AP=5078#, MR=51.7, MP=6841#, NPI=500#, 29/42 CALC PERFS OPEN 69%</p> <p>STG #2] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 8552'-8556' 4 SPF, 90* PH, 16 HOLES. 8524'-8528' 3 SPF, 120* PH, 12 HOLES. 8458'-8462' 3 SPF, 120* PH, 12 HOLES. [40 HOLES]</p> <p>WHP=1130#, BRK DN PERFS @ 3448#, INJ PSI=5400#, INJ RT=50, ISIP=2550#, FG=73, PUMP'D 544.4 BBLS SLK WTR W/ 17609# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2750#. FG=75, AR=42, AP=4665#, MR=52, MP=5625#, NPI=200#, 31/40 CALC PERFS OPEN 76%</p> <p>STG #3] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 8336'-8344' 3 SPF, 120* PH, 24 HOLES. 8304'-8308' 3 SPF, 120* PH, 12 HOLES. 8288'-8290' 3 SPF, 120* PH, 6 HOLES. [42 HOLES]</p> <p>WHP=890#, BRK DN PERFS @ 3122#, INJ PSI=5200#, INJ RT=51.5, ISIP=2300#, FG=71, PUMP'D 993.8 BBLS SLK WTR W/ 37149# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2700#. FG=75, AR=45.5, AP=4716#, MR=51.7, MP=5717#, NPI=400#, 32/42 CALC PERFS OPEN</p> <p>STG #4] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 8201'-8205' 4 SPF, 90* PH, 16 HOLES. 8177'-8180' 3 SPF, 120* PH, 9 HOLES. 8150'-8153' 3 SPF, 120* PH, 9 HOLES. 8075'-8078' 3 SPF, 120* PH, 9 HOLES. [43 HOLES]</p> <p>WHP=1335#, BRK DN PERFS @ 3022#, INJ PSI=5100#, INJ RT=51.2, ISIP=2250#, FG=71, PUMP'D 963.5 BBLS SLK WTR W/ 35853# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2700#. FG=76, AR=45.9, AP=4862#, MR=51.6, MP=5640#, NPI=450#, 30/43 CALC PERFS OPEN 71%</p> <p>STG #5] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 7969'-7974' 4 SPF, 90* PH, 20 HOLES. 7920'-7923' 3 SPF, 120* PH, 9 HOLES. 7881'-7885' 3 SPF, 120* PH, 12 HOLES. [41 HOLES]</p> <p>WHP=660#, BRK DN PERFS @ 3343#, INJ PSI=4055#, INJ RT=51.4, ISIP=2150#, FG=72, PUMP'D 881.5 BBLS SLK WTR W/ 32287# 30/50</p>

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-4L1T	Spud Conductor: 2/14/2009	Spud Date: 2/17/2009
Project: UTAH-UINTAH	Site: NBU 1022-4L1T	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/16/2009	End Date: 7/21/2009
Active Datum: RKB @5,071.01ft (above Mean Sea Level)	UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
								<p>MESH W/ NO RESIN COAT IN TAIL. ISIP=2100#. FG=69, AR=45.7, AP=4035#, MR=51.7, MP=4709#, NPI=-50#, 41/41 CALC PERS OPEN 100%</p> <p>STG #6] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE. 7802'-7806' 4 SPF, 90* PH, 16 HOLES. 7777'-7780' 3 SPF, 120* PH, 9 HOLES. 7758'-7780' 3 SPF, 120* PH, 9 HOLES. 7715'-7718' 3 SPF, 120* PH, 9 HOLES.[43 HOLES]</p> <p>WHP=416#, BRK DN PERFS @ 3052#, INJ PS=4700#, INJ RT=51.5, ISIP=2000#, FG=69, PUMP'D 1229.9 BBLS SLK WTR W/ 48141# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2200#. FG=.71, AR=46.9, AP=#4045, MR=51.7, MP=4789#, NPI=200#, 43/43 CALC PERFS OPEN 100%</p> <p>STG #7] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 7646'-7648' 4 SPF, 90* PH, 8 HOLES. 7593'-7597' 3 SPF, 120* PH, 16 HOLES. 7568'-7570' 3 SPF, 120* PH, 6 HOLES. 7531'-7533' 3 SPF, 120* PH, 6 HOLES. 7512'-7514' 3 SPF, 120* PH, 6 HOLES. [42 HOLES]</p> <p>WHP=300#, BRK DN PERFS @ 2866#, INJ PS=4100#, INJ RT=51.4, ISIP=1800#, FG=.67, PUMP'D 975 BBLS SLK WTR W/ 37303# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2400#. FG=.75, AR=45.2, AP=4107#, MR=51.6, MP=4791#, NPI=600#, 41/42 CALC PERFS OPEN 98%</p> <p>STG #8] P/U RIH W/ HALIBURTON 8K CBP & PERF GUN. SET CBP @ PERF MESAVERDE USING 3-3/8 EXPEND, 23 GRM, 0.36" HOLE, 7316'-7320' 4 SPF, 90* PH, 16 HOLES. 7247'-7250' 3 SPF, 120* PH, 9 HOLES. 7222'-7225' 3 SPF, 120* PH, 9 HOLES. 7193'-7196' 3 SPF, 120* PH, 9 HOLES. [43 HOLES]</p> <p>WHP=330#, BRK DN PERFS @ 2097#, INJ PS=3900#, INJ RT=50, ISIP=1350#, FG=.62, PUMP'D 1431 BBLS SLK WTR W/ 60616# 30/50 MESH W/ NO RESIN COAT IN TAIL. ISIP=2160#. FG=.73, AR=47.1, AP=3713#, MR=50.6, MP=4379#, NPI=810#, 31/43 CALC PERFS OPEN 73%</p> <p>P/U RIH W/ HALIBURTON 8K CBP, SETY CBP @ 7143', POOH R/D SCHLUMBERGER FRAC & WIRELINE EQUIP SWIFN. HSM, REVIEW DRLG OUT PLUGS / LANDING TBG</p>
7/21/2009	7:00 - 7:15	0.25	COMP	48		P		

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4L1T	Spud Conductor: 2/14/2009	Spud Date: 2/17/2009
Project: UTAH-UINTAH	Site: NBU 1022-4L1T	Rig Name No: MILES-GRAY 1/1
Event: COMPLETION	Start Date: 7/16/2009	End Date: 7/21/2009
Active Datum: RKB @5,071.01ft (above Mean Sea Level)		UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 7:15	0.00	COMP	44	C			<p>OPEN WELL 0# SICP, N/D FRAC VALVES, N/U BOPS, R/U TBG EQUIP, P/U 3-7/8 HURRICANE MILL W/ POBS PKG, RIH W/ 2-3/8 J-55 TBG, TAG KILL PLUG @ 7133', P/U PWR SWVL, EST CIRC W/ RIG PUMP.</p> <p>PLUG #1] DRL THROUGH HALIBURTON 8K CBP @ 7133' IN 12 MIN. W/ 800# INCREASE.</p> <p>PLUG #2] CONTINUE TO RIH, TAG SAND @ 7320', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 7350' IN 12 MIN. W/ 800# INCREASE.</p> <p>PLUG #3] CONTINUE TO RIH, TAG SAND @ 7648', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 7678' IN 12 MIN. W/ 500# INCREASE.</p> <p>PLUG #4] CONTINUE TO RIH, TAG SAND @ 7806', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 7836' IN 12 MIN. W/ 500# INCREASE.</p> <p>PLUG #5] CONTINUE TO RIH, TAG SAND @ 7974', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8004' IN 12 MIN. W/ 500# INCREASE.</p> <p>PLUG #6] CONTINUE TO RIH, TAG SAND @ 8205', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8235' IN 12 MIN. W/ 700# INCREASE.</p> <p>PLUG #7] CONTINUE TO RIH, TAG SAND @ 8344', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8374' IN 12 MIN. W/ 1000# INCREASE.</p> <p>PLUG #8] CONTINUE TO RIH, TAG SAND @ 8556', [30' FILL] C/O & DRL THROUGH HALIBURTON 8K CBP @ 8586' IN 12 MIN. W/ 900# INCREASE. CONTINUE TO RIH & C/O TO PBTD @ 8825' CIRC HOLE, R/D PWR SWVL, L/D 14 JNTS ON FLOAT, P/U & LUBRICATE HANGER IN WELL W/ 266 JNTS 2-3/8 J-55 TBG. [EOT @ 8407.69] N/D BOPS, N/U WELL HEAD, DROP BALL, PUMP OFF MILL 1/2 BBL @ 2800#, LEAVE WELL SHUT IN FOR 1/2 HR, TURN OVER TO F/B CREW.</p>
7/22/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2450#, 20/64" CK, 60 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 3415 BBLs LEFT TO RECOVER: 5094
7/23/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2450#, 20/64" CK, 40 BWPH, MEDIUM SAND, - GAS TTL BBLs RECOVERED: 4520 BBLs LEFT TO RECOVER: 3989
	9:00 -		PROD	50				WELL TURNED TO SALE @ 0900 HR ON 7/23/2009 - FTP2600#, CP 3200#, 2.2 MCFD, 40 BWPD, 16/64 CK
7/24/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3000#, TP 2550#, 16/64" CK, 25 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 5235 BBLs LEFT TO RECOVER: 3274
7/25/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 3050#, TP 2700#, 14/64" CK, 14 BWPH, LIGHT SAND, - GAS TTL BBLs RECOVERED: 5589 BBLs LEFT TO RECOVER: 2920

	1	2	3	4	5	6	
Well Name	MD	TVD	E/W	N/S	Inc	Azi	Directional Reach
NBU 1022-4L1T	65.00	65.00	0.00	0	0	0	0
NBU 1022-4L1T	100.00	100.00	0.00	-0.1	0.25	185.32	0.08
NBU 1022-4L1T	200.00	200.00	-0.20	-0.3	0.25	261.15	0.41
NBU 1022-4L1T	300.00	300.00	-0.30	-0.2	0.25	42.07	0.37
NBU 1022-4L1T	400.00	400.00	0.00	0.1	0.25	35.99	0.15
NBU 1022-4L1T	500.00	500.00	0.30	0.3	0.25	97.91	0.42
NBU 1022-4L1T	600.00	600.00	0.30	0.3	0.25	269.82	0.4
NBU 1022-4L1T	700.00	700.00	0.00	0.4	0.25	324.74	0.44
NBU 1022-4L1T	800.00	800.00	-0.30	0.5	0.25	226.66	0.56
NBU 1022-4L1T	900.00	900.00	-0.60	0.5	0.25	316.58	0.79
NBU 1022-4L1T	1,000.00	1,000.00	-0.90	0.2	0.5	202.5	0.98
NBU 1022-4L1T	1,100.00	1,100.00	-1.30	-0.3	0.25	224.42	1.31
NBU 1022-4L1T	1,200.00	1,200.00	-1.30	-0.7	0.25	148.84	1.47
NBU 1022-4L1T	1,300.00	1,300.00	-1.10	-0.7	0.25	13.76	1.32
NBU 1022-4L1T	1,400.00	1,400.00	-0.90	0	0.5	23.68	0.92
NBU 1022-4L1T	1,500.00	1,500.00	-0.50	0.4	0.25	71.6	0.69
NBU 1022-4L1T	1,600.00	1,600.00	0.30	0.7	0.75	72.51	0.76
NBU 1022-4L1T	1,700.00	1,700.00	1.40	0.9	0.5	90.43	1.62
NBU 1022-4L1T	1,800.00	1,800.00	2.20	0.8	0.5	102.35	2.36
NBU 1022-4L1T	1,900.00	1,900.00	3.20	0.4	0.75	121.37	3.22
NBU 1022-4L1T	2,000.00	2,000.00	4.10	-0.3	0.5	135.39	4.08
NBU 1022-4L1T	2,100.00	2,100.00	4.70	-0.9	0.5	125.41	4.81
NBU 1022-4L1T	2,200.00	2,200.00	5.60	-1.5	0.75	125.43	5.81
NBU 1022-4L1T	2,230.00	2,229.90	6.00	-1.7	0.75	118.46	6.19
NBU 1022-4L1T	2,398.00	2,397.90	7.90	-2.9	0.8	123	8.4
NBU 1022-4L1T	2,904.00	2,903.90	11.40	-8.3	0.8	171	14.1
NBU 1022-4L1T	3,410.00	3,409.80	13.70	-17.7	1.4	163.3	22.4
NBU 1022-4L1T	3,927.00	3,926.60	18.30	-30.9	1.7	159.3	35.9
NBU 1022-4L1T	4,487.00	4,486.40	24.40	-43	1.1	143	49.43
NBU 1022-4L1T	4,992.00	4,991.30	29.40	-54.5	1.8	165	61.93
NBU 1022-4L1T	5,539.00	5,538.00	32.50	-69.9	1.5	173.3	77.08
NBU 1022-4L1T	6,086.00	6,084.80	36.10	-87.1	2.2	164.3	94.33

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
UTU01191

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

6. If Indian, Allottee or Tribe Name

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

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

8. Lease Name and Well No.
NBU 1022-4L1T

3. Address P.O. BOX 173779
DENVER, CO 80217

3a. Phone No. (include area code)
Ph: 720-929-6100

9. API Well No.
43-047-39994

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface NWSW 2107FSL 842FWL 39.97652 N Lat, 109.45126 W Lon
At top prod interval reported below NWSW 2107FSL 842FWL 39.97652 N Lat, 109.45126 W Lon
At total depth NWSW 2107FSL 842FWL 39.97652 N Lat, 109.45126 W Lon

10. Field and Pool, or Exploratory
NATURAL BUTTES
11. Sec., T., R., M., or Block and Survey
or Area Sec 4 T10S R22E Mer

12. County or Parish
UINTAH
13. State
UT

14. Date Spudded
02/14/2009

15. Date T.D. Reached
04/06/2009

16. Date Completed
 D & A Ready to Prod.
07/23/2009

17. Elevations (DF, KB, RT, GL)*
5071 GL

18. Total Depth: MD 8880
TVD 8876

19. Plug Back T.D.: MD 8825
TVD

20. Depth Bridge Plug Set: MD
TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
CBL-CCL-GR

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

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

Hole Size	Size/Grade	Wt. (#ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2369		1025			
7.875	4.500 I-80	11.6		8869		1435			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	8407							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7193	8786	7193 TO 8786	0.360	336	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
7193 TO 8786	PMP 8,509 BBLs SLICK H2O & 323,216# 30/50 OTTAWA SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
07/23/2009	08/12/2009	24	→	0.0	2227.0	0.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 1851	2390.0	→	0	2227	0		PGW	

28a. Production - Interval B

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

RECEIVED

AUG 19 2009

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

ELECTRONIC SUBMISSION #73397 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OIL, GAS & MINING

28b. Production - Interval C

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

28c. Production - Interval D

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

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

30. Summary of Porous Zones (Include Aquifers):

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

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1118				
BIRD'S NEST	1448				
MAHOGANY	1927				
WASATCH	4334	6832			
MESAVERDE	6970	8849			

32. Additional remarks (include plugging procedure):

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

33. Circle enclosed attachments:

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

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

**Electronic Submission #73397 Verified by the BLM Well Information System.
 For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal**

Name (please print) ANDY LYTLE Title REGULATORY ANALYST

Signature (Electronic Submission) Date 08/18/2009

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

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
SUNDRY NOTICES AND REPORTS ON WELLS 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.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-04L1T
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399940000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100 9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2107 FSL 0842 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/7/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

The operator requests authorization to Temporarily Abandon or Shut-In the subject well to accommodate recompletion drilling operations for the referenced well location. Please see the attached procedure. This is a courtesy copy for the referenced Federal Well with lease #UTU01191.
 Thank you.

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

Date: March 11, 2014

By: *Dark Quif*

NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 3/7/2014	

Well Name: **NBU 1022-4L1T**
 Surface Location: NWSW Sec. 4, T10S, R22E
 Uintah County, UT

2/27/14

Recommended action for disposition of well bore:

This well will be temporarily abandoned to accommodate drilling operations in one of 2 ways. We will either plug the wellbore as outlined in the attached procedure or Shut-In in the following manner: a) Kill well, pull EOT to above top set of perms, install tubing hanger with internal threads and set VR plug, install a flange over the tbg hanger, removal of master valve, set VR plugs in casing head at surface, and removal of casing wing valves, replaced with blind flanges.

API: 4304739994 LEASE#: U-01191
 ELEVATIONS: 5071' GL 5071' KB
 Note: KB depth according to CBL is 5088'
 TOTAL DEPTH: 8870' PBDT: 8824'
 SURFACE CASING: 9 5/8", 36# J-55 @ 2369'
 PRODUCTION CASING: 4 1/2", 11.6# I-80 @ 8870'
 Estimated TOC @ Surface per CBL
 PRODUCTION TUBING: 2 3/8" J-55 TBG @ 8385' (workover rpt 10/1/12)
 PERFORATIONS: MESAVERDE 7193' - 8786'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02171	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# J-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01

GEOLOGICAL TOPS:

4334' Wasatch
 6970' Mesaverde

NBU 1022-4L1T TEMPORARY ABANDONMENT PROCEDURE

GENERAL

- H2S MAY BE PRESENT. CHECK FOR H2S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM/UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 24 sx of cement needed to perform procedure.

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE. PULL TUBING.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE MV PERFORATIONS (7193'- 8786')**: RIH W/ 4 ½" CBP. SET @ ~7140'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX / 1.6 BBL / 9.2 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~7040'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #2, PROTECT TOP OF WASATCH (4334')**: PUH TO ~4440'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 18.3 CUFT** AND BALANCE PLUG W/ TOC @ ~4230' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

HMP 2/27/14

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-04L1T	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399940000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2107 FSL 0842 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/1/2014 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has concluded the temporary abandonment operations on the subject well location on 7/1/2014. This well was plugged in order to expand and drill the NBU 1022-4L Pad wells. Please see the attached chronological well history for details. Thank you.</p>		
<p>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 08, 2014</p>		
NAME (PLEASE PRINT) Matthew P Wold	PHONE NUMBER 720 929-6993	TITLE Regulatory Analyst I
SIGNATURE N/A	DATE 8/7/2014	

US ROCKIES REGION

Operation Summary Report

US ROCKIES REGION								
Operation Summary Report								
Well: NBU 1022-4L1T			Spud Conductor: 2/14/2009			Spud Date: 2/17/2009		
Project: UTAH-UINTAH			Site: NBU 1022-4L1T			Rig Name No: MILES 3/3		
Event: ABANDONMENT			Start Date: 6/26/2014			End Date: 7/1/2014		
Active Datum: RKB @5,071.00usft (above Mean Sea Level)			UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0					
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
6/26/2014	7:00 - 10:00	3.00	ABANDT	35		P		Travel to location. Rig up. Rih jar up on spring @ 8380 for 20mins. Pooh. Rig down. Ready for workover rig. Travel back to shop thank you.
6/30/2014	7:00 - 7:30	0.50	ABANDT	48		P		WELL CONTROL
	7:30 - 16:00	8.50	ABANDT	45	A	P		MIRU, CONTROL WELL, NDWH, NU BOP'S, TEST BOP'S, RU PRS, SCAN TBG OOH, STD BACK 106 STDS, LAY BALANCE DWN ON TLRs, RD PRS, RU CUTTERS, PU GAUGE RING, TIH TO 6730', POOH, PU 8K CBP, TIH TO 6705'. SET CBP, POOH, RD CUTTERS, TIH TBG, 212 JTS, TAG PLUG, SWIFN CEMENTING
7/1/2014	7:00 - 7:30	0.50	ABANDT	48		P		RU PRO PETRO, ROLL HOLE CLEAN WITH TREATED T-MAC, TEST CSG 500#,
	7:30 - 17:00	9.50	ABANDT	51	D	P		ALL CEMENT IS CLASS G, YIELD 1.145, 4.9 GW/SX, 15.8# DENISTY, PLUG# 1 10K CBP 6705' PLUG# 2 6704' PUMP 2.5 BBLs FRESH, 10 SX, 2 BBLs CEMENT, DISPLACE WITH 1 BBL FRESH, 24.4 BBLs TREATED T-MAC. PLUG# 3 4455' PUMP 2.5 BBLs FRESH, 20 SX, 4.1 BBLs CEMENT, DISPLACE WITH 1 BBL FRESH, 15.2 BBLs TREATED T-MAC. PULL OOH, LAY DWN TBG ON TLR, ND BOP'S, RDMO CALLED FMC TO REMOVE WH CAP WELL GYRO RAN MULTI SHOT 6/28/14 N 39.97643W 109.45058 ELEV 5033'

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
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1. TYPE OF WELL Gas Well	8. WELL NAME and NUMBER: NBU 1022-04L1T	
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047399940000	
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6100	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2107 FSL 0842 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 04 Township: 10.0S Range: 22.0E Meridian: S	COUNTY: UINTAH	
	STATE: UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/25/2015 <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The NBU 1022-4L1T well was returned to production on 8/25/2015 following a temporary abandonment. Please see the attached operations summary report for details. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY August 28, 2015		
NAME (PLEASE PRINT) Jennifer Thomas	PHONE NUMBER 720 929-6808	TITLE Regulatory Specialist
SIGNATURE N/A	DATE 8/27/2015	

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 1022-4L1T		Spud Conductor: 2/14/2009		Spud date: 2/17/2009				
Project: UTAH-UINTAH			Site: NBU 1022-4L PAD			Rig name no.: MILES 2/2		
Event: ABANDONMENT			Start date: 7/20/2015			End date: 8/25/2015		
Active datum: RKB @5,071.00usft (above Mean Sea Level)				UWI: 0/10/S/22/E/4/0/NWSW/6/PM/S/2,107.00/W/0/842.00/0/0				

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD from (usft)	Operation
7/20/2015	7:00 -							REBUILD FACILITES TO RETURN WELL TO PRODUCTION
8/21/2015	7:00 - 7:30	0.50	ABANDT	48		P		HSM, RIGGING DOWN & MOVING EQUIP
	7:30 - 15:00	7.50	ABANDT	30	A	P		RIG DOWN OFF NBU 1022-25H2AS, MOVE CLOSE TO 4L PAD STBY.
8/24/2015	7:00 - 7:15	0.25	ABANDT	48		P		HSM, JSA
	7:15 - 14:00	6.75	ABANDT	30	A	P		MIRU, ND WH, NU BOP'S, RU FLOOR & TBG EQUIP, SPOT IN EQUIP & TBG TRAILER
	14:00 - 17:30	3.50	ABANDT	31	I	P		P/U 3-7/8" MILL & POBS, P/U & TIH W/ 2-3/8" TBG TO CMT TOP @ 4050', SWI, SDFN
8/25/2015	7:00 - 7:15	0.25	ABANDT	48		P		HSM, JSA
	7:15 - 9:00	1.75	ABANDT	30	A	P		MIRU PWR SWVL
	9:00 - 23:00	14.00	ABANDT	44	A	P		D/O CMT FROM 4050' TO 4455', HANG BACK PWR SWVL & TIH W/ TBG, TAG CMT @ 6515', P/U PWR SWVL & D/O CMT FROM 6515' TO CBP@ 6705', CIRS WELL CLEAN, D/O CBP IN 2 MINS, TURN WELL TO SELLS, HANG BACK PWR SWVL, P/U TBG & TIH, TAG FILL @ 8739', P/U PWR SWVL, BREAK CIRC W/ FOAM UNIT IN 30 MINS, C/O FROM 8739' TO PBTD @ 8820', CIRC WELL CLEAN, TOOH & LD 14 JTS TBG ON TRAILER, LAND TBG ON HANGER W/ 263 JTS 2-3/8" P-110, RD PWR SWVL, ND BOP'S, BROP BALL, NU WH, PUMP BIT OFF W/ 1000#, LET BIT FALL FOR 20 MINS, TURN OVER TO FLOWBACK, SDFN
							KB	18'
							HANGER	.83'
							263 JTS 2-3/8" P-110	8358.75'
							POBS HALF W/ XN	2.20'
							EOT @	8379.78'