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

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL

5. MINERAL LEASE NO:	6. SURFACE:
ST UO 1194A	State

1A. TYPE OF WORK: DRILL ☑ REENTER ☐ DEEPEN ☐

7. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

B. TYPE OF WELL: OIL ☐ GAS ☑ OTHER _____ SINGLE ZONE ☐ MULTIPLE ZONE ☑

8. UNIT or CA AGREEMENT NAME: 891008900A

2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP

9. WELL NAME and NUMBER: NBU 921-27HT

3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779

PHONE NUMBER: (720) 929-6226

10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field

4. LOCATION OF WELL (FOOTAGES) 625478 X 4429551 Y 40.068729
AT SURFACE: 2025' FNL & 623' FEL LAT 40.008775 LON -109.529942 (NAD 27)
AT PROPOSED PRODUCING ZONE: N/A -109.529890

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S 21E

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 15.2 miles east of Ouray, Utah

12. COUNTY: Uintah

13. STATE: UTAH

15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET)	16. NUMBER OF ACRES IN LEASE:	17. NUMBER OF ACRES ASSIGNED TO THIS WELL:
623'	1292.39	40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET)	**19. PROPOSED DEPTH:**	**20. BOND DESCRIPTION:**
20'	9,800	RLB0005237
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.):	**22. APPROXIMATE DATE WORK WILL START:**	**23. ESTIMATED DURATION:**
4920'	Upon Approval	10 days

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT			
12 1/4"	9 5/8" J-55 36#	2,340	Premium Cement	215 sx	1.18	15.6
			Premium Cement	100 sx	1.18	15.6
7 7/8"	4 1/2" I-80 11.6#	9,800	Premium Lite II	470 sx	3.38	11.0
			50/50 Poz G	1540 sx	1.31	14.3

25. **ATTACHMENTS**

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:

☑ WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER
☑ COMPLETE DRILLING PLAN
☑ EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER
☐ FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER

NAME (PLEASE PRINT) Kevin McIntyre TITLE Regulatory Analyst I

SIGNATURE _____ DATE 6/25/2008

(This space for State use only)

API NUMBER ASSIGNED: 43047-40173

Approved by the Utah Division of Oil, Gas and Mining

APPROVAL:

Date: 09-11-08

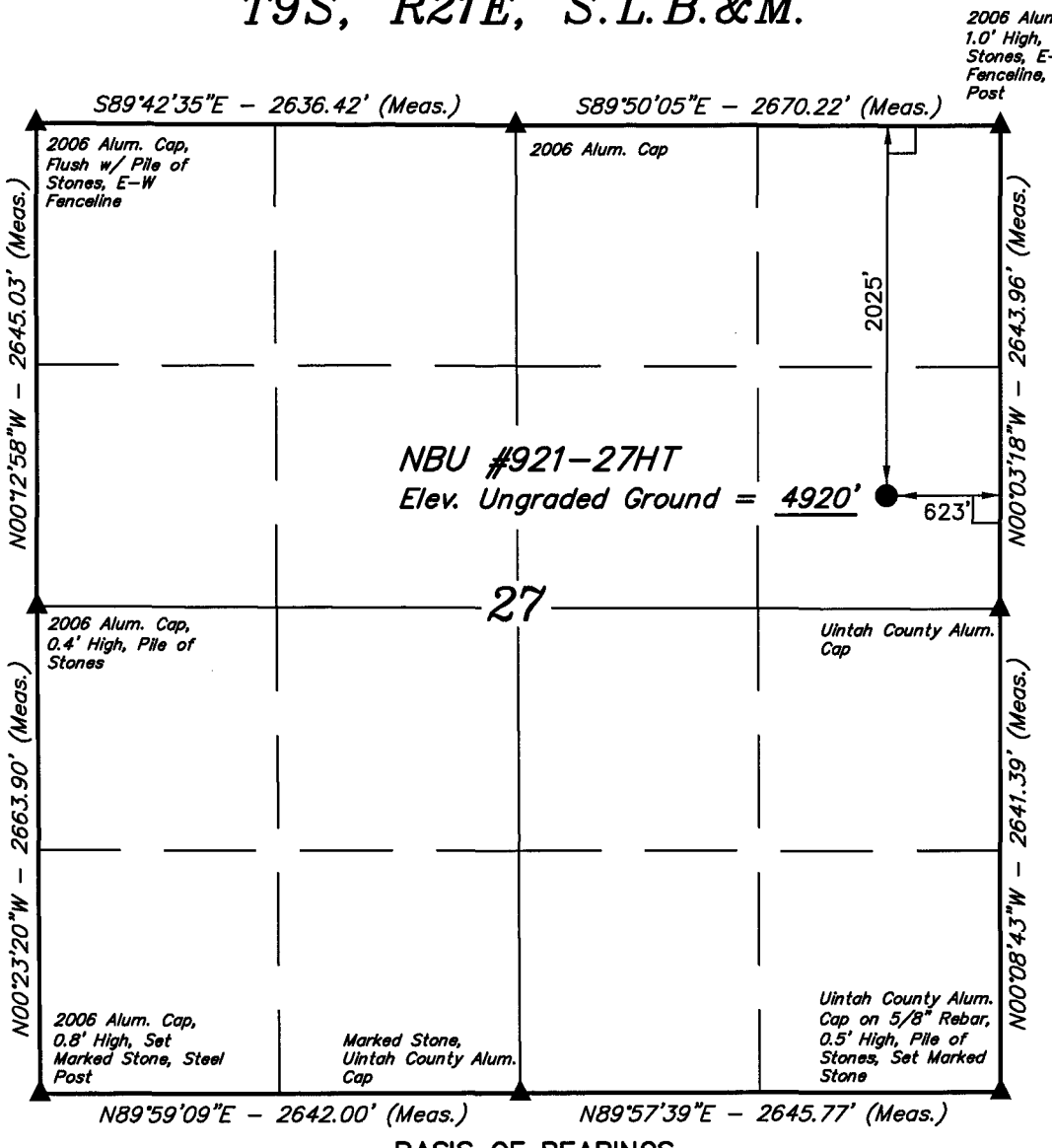
(See Instructions on Reverse Side)

By: _____

RECEIVED
JUN 27 2008
DIV. OF OIL, GAS & MINING

(11/2001)

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



BASIS OF BEARINGS

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

LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

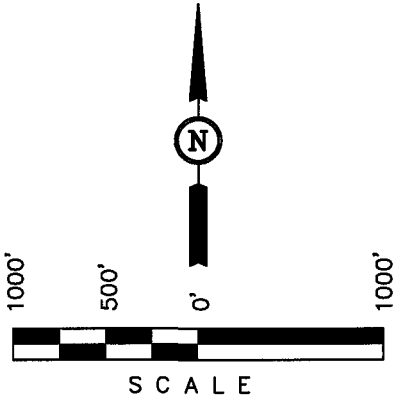
(NAD 83)
LATITUDE = 40°00'31.46" (40.008739)
LONGITUDE = 109°31'50.27" (109.530631)
(NAD 27)
LATITUDE = 40°00'31.59" (40.008775)
LONGITUDE = 109°31'47.79" (109.529942)

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #921-27HT, located as shown in the SE 1/4 NE 1/4 of Section 27, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

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



CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	06-08-08	06-10-08
PARTY L.K. D.K. S.L.	**REFERENCES** G.L.O. PLAT	
WEATHER WARM	Kerr-McGee Oil & Gas Onshore LP	

NBU 921-27HT
SENE Sec. 27, T9S,R21E
UINTAH COUNTY, UTAH
ST UO 1194A

ONSHORE ORDER NO. 1

DRILLING PROGRAM

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

Formation	Depth
Uinta	0- Surface
Green River	1476'
Birds Nest	1785'
Mahogany	2288'
Wasatch	4790'
Mesaverde	7614'
MVU2	8545'
MVL1	9139'
TD	9800'

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

Substance	Formation	Depth
	Green River	1476'
Water	Birds Nest	1785'
Water	Mahogany	2288'
Gas	Wasatch	4790'
Gas	Mesaverde	7614'
Gas	MVU2	8545'
Gas	MVL1	9139'
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 9800' TD, approximately equals 6076 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3920 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. **Variances:**

Please refer to the attached Drilling Program.
Onshore Order #2 – Air Drilling Variance
Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

- *Blowout Prevention Equipment (BOPE) requirements;*
- *Mud program requirements; and*
- *Special drilling operation (surface equipment placement) requirements associated with air drilling.*

This Standard Operating Practices addendum provides supporting information as to why KMG current air drilling practices for constructing the surface casing hole should be granted a variance to Onshore Order 2 air drilling requirements.

The reader should note that the air rig is used only to construct a stable surface casing hole through a historically difficult lost circulation zone. A conventional rotary rig follows the air rig, and is used to drill and construct the majority of the wellbore.

More notable, KMG has used the air rig layout and procedures outlined below to drill the surface casing hole in approximately 675 wells without incident of blow out or loss of life.

Background
In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet. The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

Before the surface air rig is mobilized, a rathole rig is utilized to set and cement conductor pipe through a competent surface formation. Generally, the conductor is set at 40 feet. In some cases, conductor may be set deeper in areas that the surface formation is not found competent. This rig also drills the rat and mouse holes in preparation for the surface casing and production string drilling operations.

The air rig is then mobilized to drill the surface casing hole by drilling a 12-1/4 inch hole to just above the Bird's Nest interval with an air hammer. The hammer is then tripped and replaced with a 12-1/4 inch tri-cone bit. The tri-cone bit is used to drill to the surface casing point, approximately 500 feet below the loss circulation zone (Bird's Nest). The 9-5/8 inch surface casing is then run and cemented in place, thereby isolating the lost circulation zone.

KMG fully appreciates Onshore Order 2 well control and safety requirements associated with a typical air drilling operations. However, the requirements of Onshore Order 2 are excessive with respect to the air rig layout and drilling operation procedures that are currently in practice to drill and control the surface casing hole in KMG Fields.

Variance for BOPE Requirements
The air rig operation utilizes a properly lubricated and maintained air bowl diverter system which diverts the drilling returns to a six-inch blooie line. The air bowl is the only piece of BOPE equipment which is installed during drilling operations and is sufficient to contain the air returns associated with this drilling operation. As was discussed earlier, the drilling of the surface hole does not encounter any over pressured or productive zones, and as a result standard BOPE equipment should not be required. In addition, standard drilling practices do not support the use of BOPE on 40 feet of conductor pipe.

Variance for Mud Material Requirements
Onshore Order 2 also states that sufficient quantities of mud materials shall be maintained or readily accessible for the purpose of assuring adequate well control. Once again, the surface hole drilling operations does not encounter over pressured or productive intervals, and as a result there is not a need to control pressure in the surface hole with a mud system. Instead of mud, the air rigs utilize water from the reserve pit for well control, if necessary. A skid pump which is located near the reserve pit (see attachment) will supply the water to the well bore.

Variance for Special Drilling Operation (surface equipment placement) Requirements
Onshore Order 2 requires specific safety distances or setbacks for the placement of associated standard air drilling equipment, wellbore, and reserve pits. The air rigs used to drill the surface holes are not typical of an air rig used to drill a producing hole in other parts of the US. These are smaller in nature and designed to fit a KMG location. The typical air rig layout for drilling surface hole in the field is attached.

Typically the blooie line discharge point is required to be 100 feet from the well bore. In the case of a KMG well, the reserve pit is only 45 feet from the rig and is used for the drill cuttings. The blooie line, which transports the drill cuttings from the well to the reserve pit, subsequently discharges only 45 feet from the well bore.

Typically the air rig compressors are required to be located in the opposite direction from the blooie line and a minimum of 100 feet from the well bore. At the KMG locations, the air rig compressors are approximately 40 feet from the well bore and approximately 60 feet from the blooie line discharge due to the unique air rig design. The air compressors (see attachment) are located on the rig (1250 cfm) and on a standby trailer (1170 cfm). A booster sits between the two compressors and boosts the output from 350 psi to 2000 psi. The design does put the booster and standby compressor opposite from the blooie line.

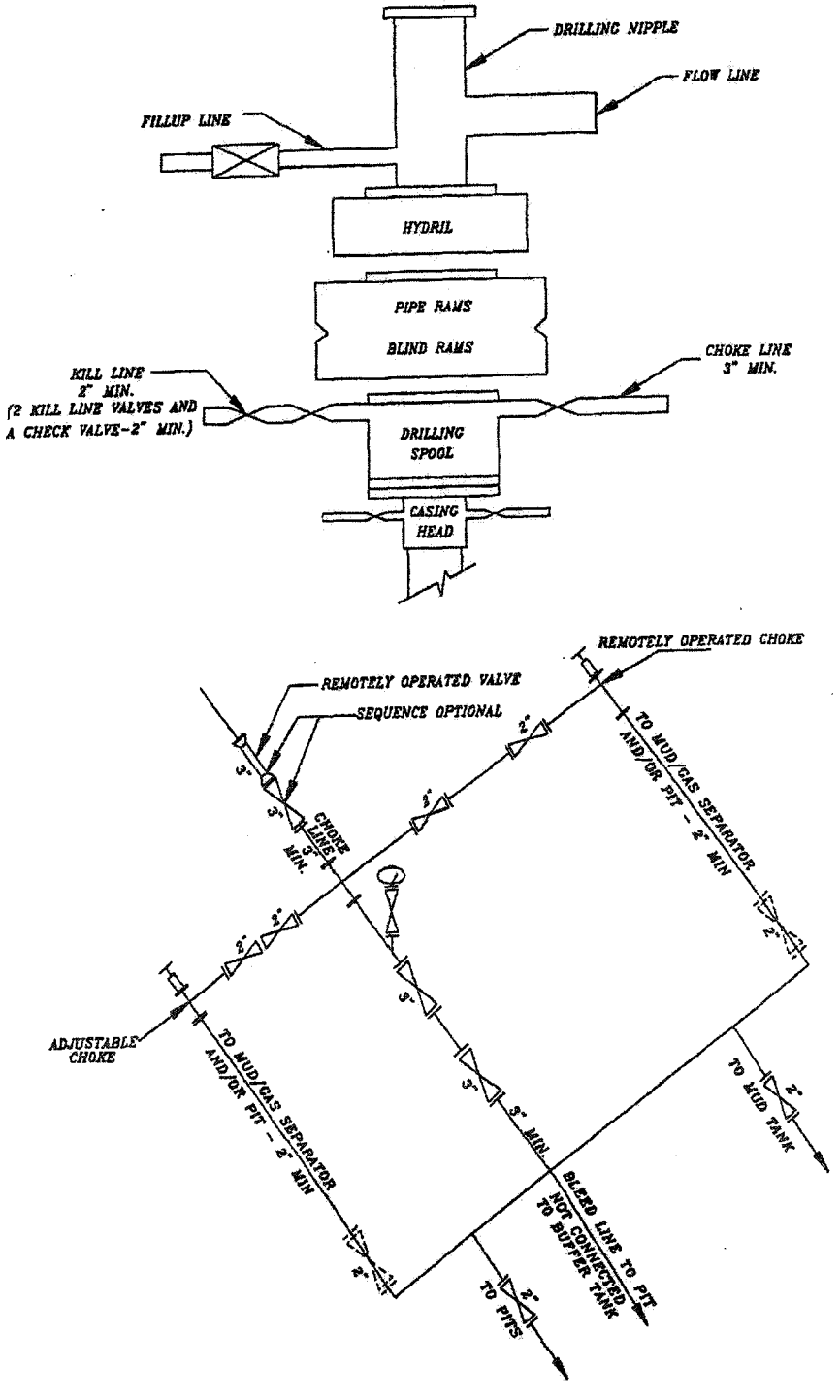
Lastly, Onshore Order 2 addresses the need for an automatic igniter or continuous pilot light on the blooie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

Conclusion
The air rig operating procedures and the attached air rig layout have effectively maintained well control while drilling the surface holes in KMG Fields. KMG respectfully requests a variance from Onshore Order 2 with respect to air drilling well control requirements as discussed above.

10. Other Information:

Please refer to the attached Drilling Program.

EXHIBIT A



SCHEMATIC DIAGRAM OF 5,000 PSI BOP STACK

NBU 921-27HT
SENE Sec. 27, T9S, R21E
UINTAH COUNTY, UTAH
ST UO 1194A

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to Topo Map A for directions to the location.

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

The existing road for the NBU #109 will be utilized. 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:

No new access road is proposed. Refer to Topo Map B for the location of the existing access road.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Surfacing material may be necessary, depending upon weather conditions.

Surface disturbance and vehicular traffic will be limited to the approved location and approved access route. Any additional area needed will be approved in advance.

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 required color is Carlsbad Canyon, standard color number 2.5Y 6/2.

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

No new pipeline utilizing the existing NBU #109 pipeline. No TOPO D attached.

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.

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 and felt will be used, it will be a minimum of 20 mil thick, 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. CIGE 112D SWD – SESE, SECTION 19, T9S, R21E, NBU 47N2 SWD – SESW, SECTION 30, T10S, R22E, NBU 159 SWD – NESW, SECTION 35, T9S, R21E, NBU 347 – NWSW, SECTION 11, T10S, R22E, Ouray #1 SWD – NENE SECTION 1, T9S, R21E, Pipeline Facility Sec. 36, T9S, R20E,Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E

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.

The reserve pit will be lined, and when the reserve pit is closed, the pit liner will be buried below plow depth.

All pits will be fenced according to the following minimum standards:

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.

Location size may change prior to the drilling of the well due to current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a Form 9 shall be submitted.

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.

A plastic, nylon reinforced liner will be used, it shall be torn and perforated before backfilling of the reserve pit.

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, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

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/Mineral Ownership:

SITLA
675 East 500 South, Suite 500
Salt Lake City, UT 84102

12. Other Information:

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.

A Class III archaeological survey has been completed and will be submitted.

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

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

Kevin McIntyre
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO BOX 173779
Denver, CO 80217-3779
(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 terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by State Surety Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Kevin McIntyre

6/25/2008
Date

KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP		DATE	June 25, 2008	
WELL NAME	**NBU 921-27HT**		TD	9,800' MD/TVD	
FIELD	Natural Buttes	COUNTY Uintah STATE Utah	ELEVATION	4,920' GL	KB 4,935'
SURFACE LOCATION	SENE 2025' FNL & 623' FEL, Sec. 27, T 9S R 21E			BHL	Straight Hole
	Latitude: 40.008775	Longitude: -109.529942	NAD 27		
OBJECTIVE ZONE(S)	Wasatch/Mesaverde				
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.				

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION 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 4,790'					
	Green River @	1,476'			
	Top of Birds Nest Water @	1,785'			
	Mahogany @	2,288'			
	Preset f/ GL @	2,340' MD			
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	Water/Fresh Water Mud 8.3-11.5 ppg
	Wasatch @	4,790'			
	Mverde @	7,614'			
	MVU2 @	8,545'			
	MVL1 @	9,139'			
	TD @	9,800'			Max anticipated Mud required 11.8 ppg

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 acutal depth of the loss zone.

KerrMcGee

ERR-McGEE OIL & GAS ONSHORE L'

DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
						3520	2020	453000
SURFACE	9-5/8"	0 to 2,340'	36.00	J-55	LTC	0.91	1.84	6.14
						7780	6350	201000
PRODUCTION	4-1/2"	0 to 9800	11.60	I-80	LTC	2.02	1.06	2.03

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 3920 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		**NOTE: If well will circulate water to surface, option 2 will be utilized**					
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,290'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	470	60%	11.00	3.38
	TAIL	5,510'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1540	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

Kerr-McGee Oil & Gas Onshore LP
NBU #921-27HT
SECTION 27, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY, THEN NORTHERLY DIRECTION APPROXIMATLELY 0.4 MILES TO THE NBU #109 AND THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 46.2 MILES.

Kerr-McGee Oil & Gas Onshore LP.

NBU #921-27HT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 27, T9S, R21E, S.L.B.&M.

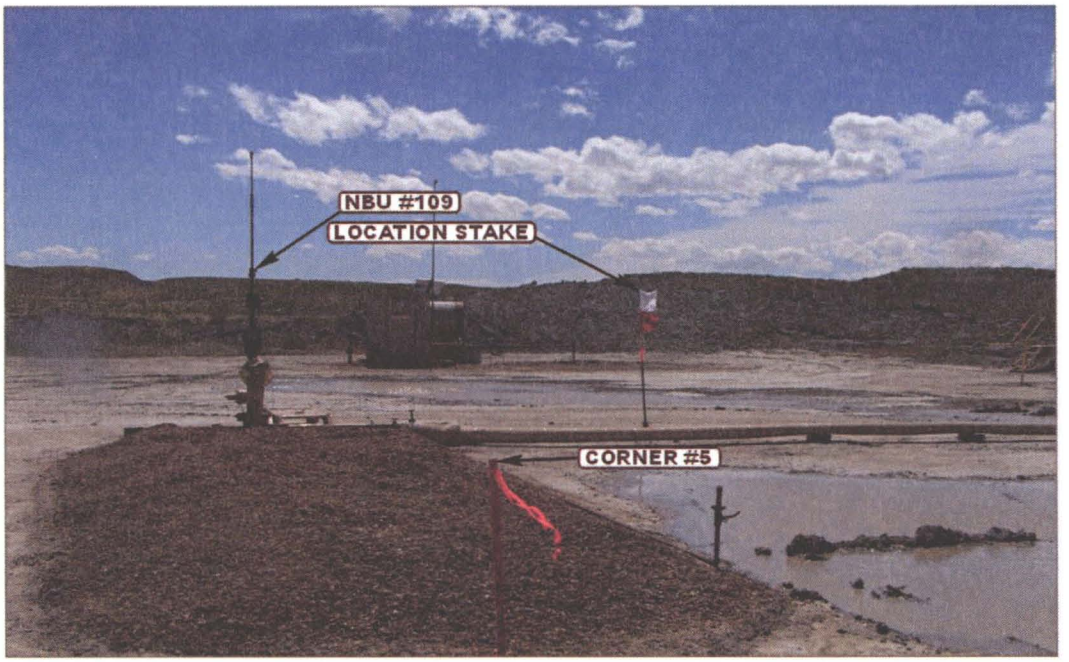


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE — CAMERA ANGLE: SOUTHWESTERLY

PHOTO: VIEW OF EXISTING ACCESS ROAD — CAMERA ANGLE: NORTHERLY

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

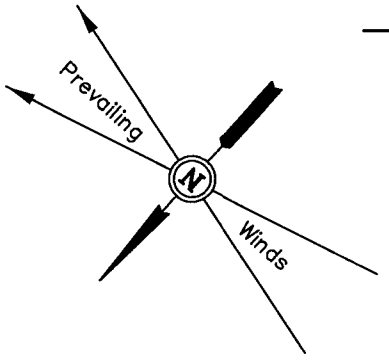
LOCATION PHOTOS	06 MONTH	11 DAY	08 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: S.L.	REVISED: 00-00-00		

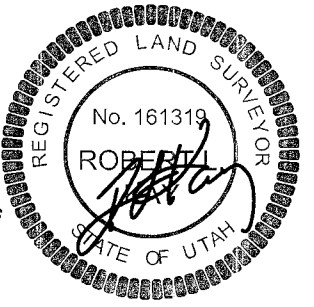
Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

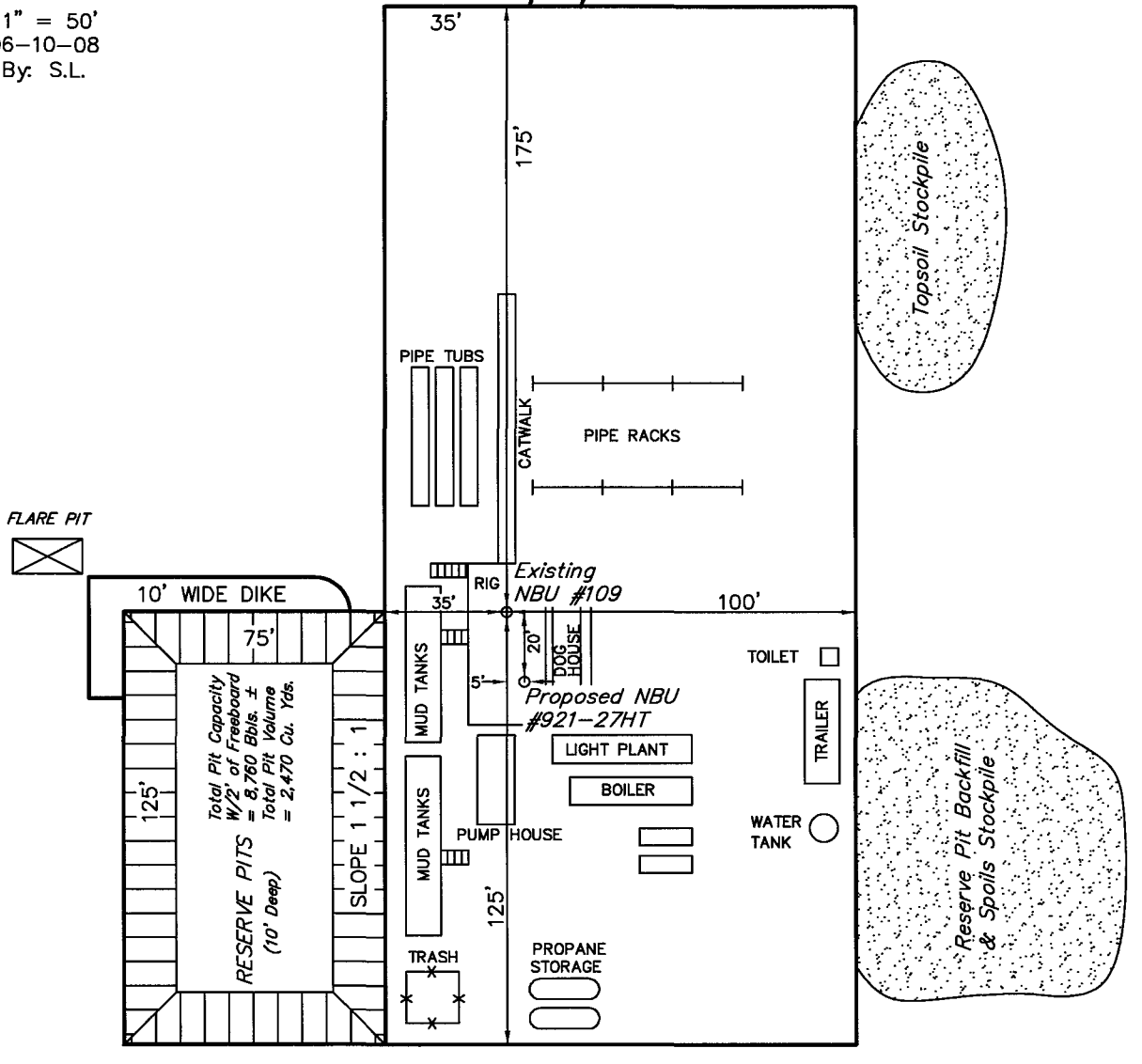
LOCATION LAYOUT FOR

NBU #921-27HT
SECTION 27, T9S, R21E, S.L.B.&M.
2025'FNL 623' FEL





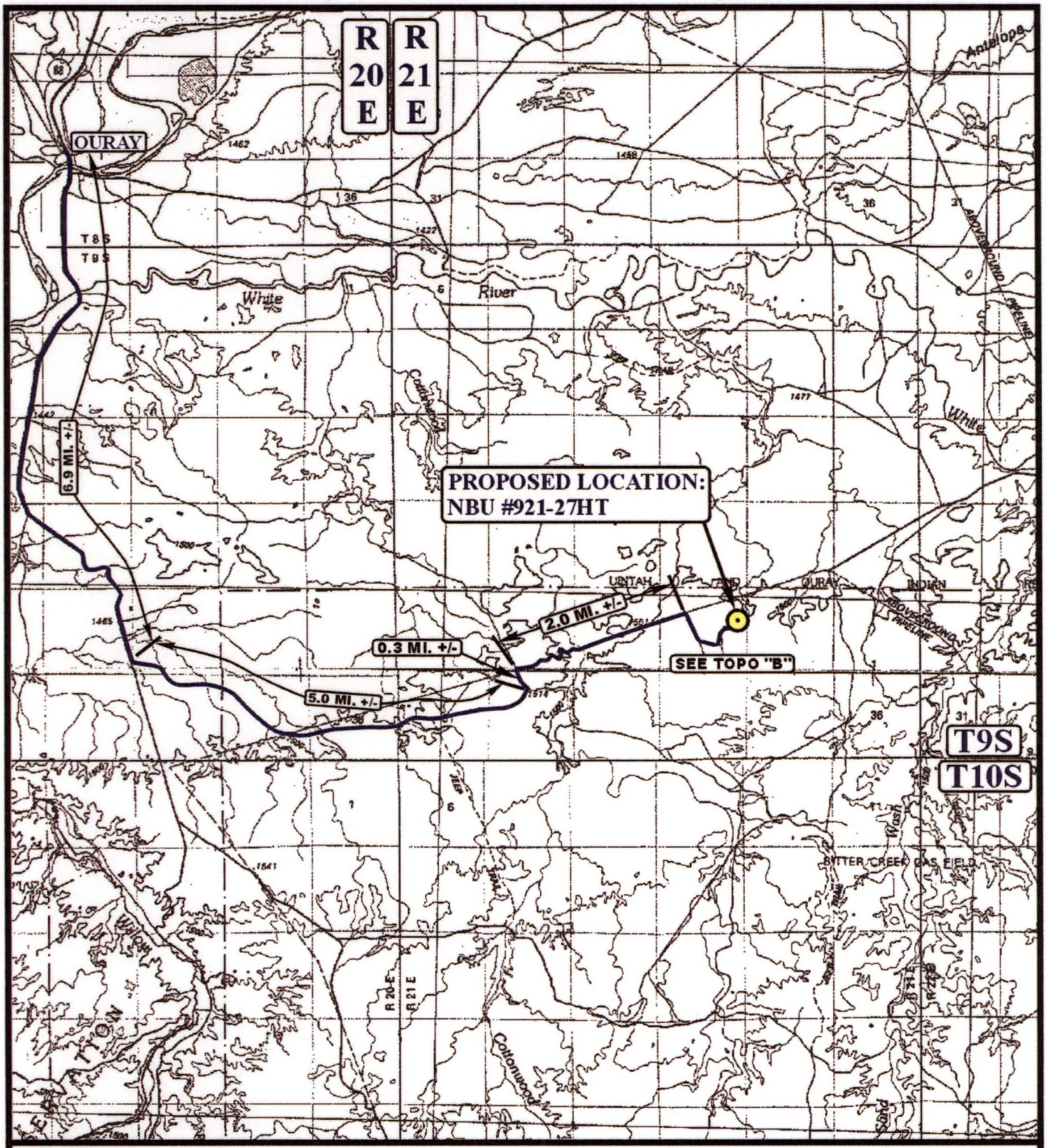
SCALE: 1" = 50'
DATE: 06-10-08
Drawn By: S.L.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = **4920.2'**

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



LEGEND:

PROPOSED LOCATION

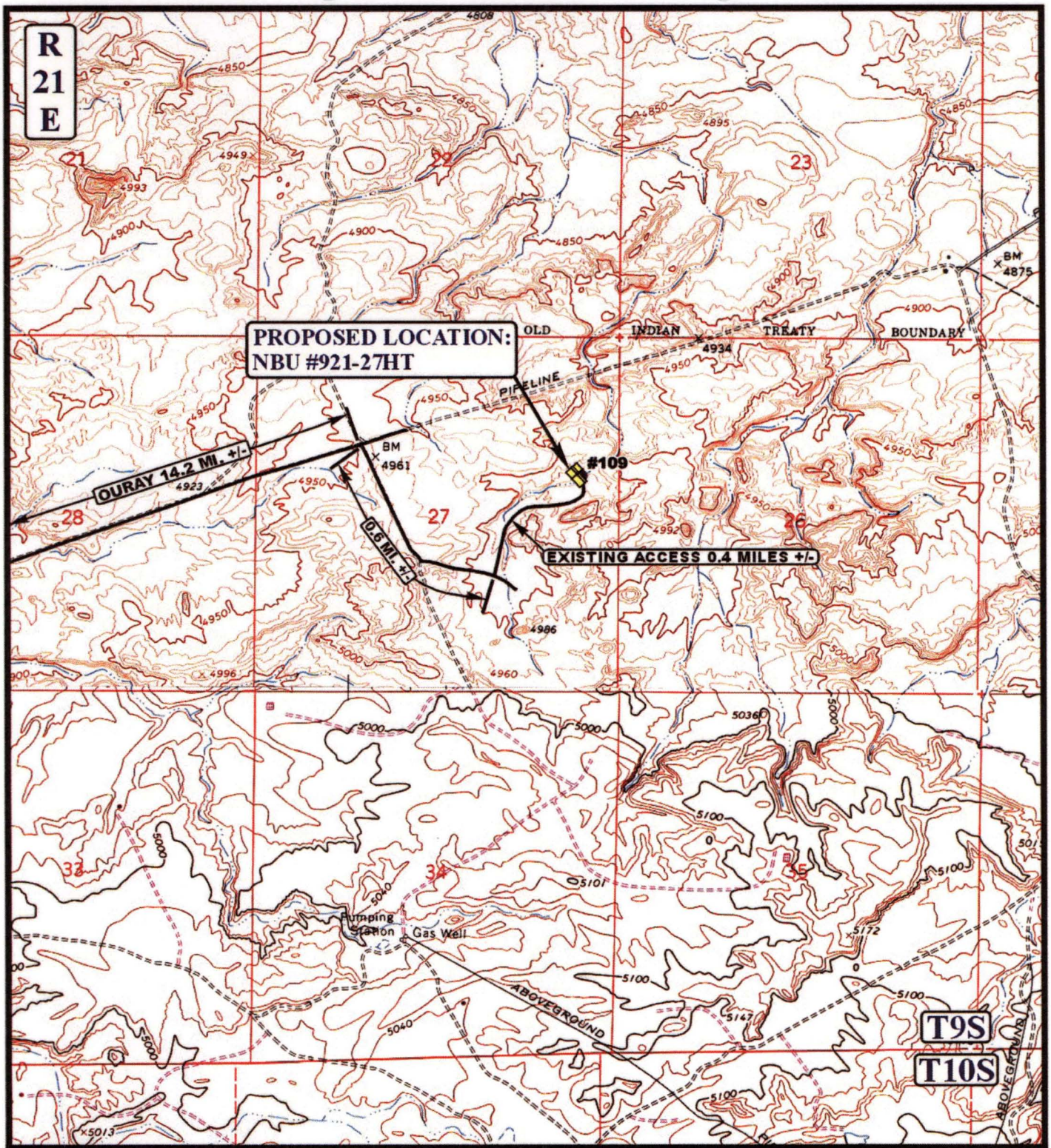
N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-27HT
SECTION 27, T9S, R21E, S.L.B.&M.
2025' FNL 623' FEL

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

TOPOGRAPHIC MAP	06 MONTH	11 DAY	08 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: S.L.	REVISED: 00-00-00		



LEGEND:

EXISTING ROAD

N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-27HT

SECTION 27, T9S, R21E, S.L.B.&M.

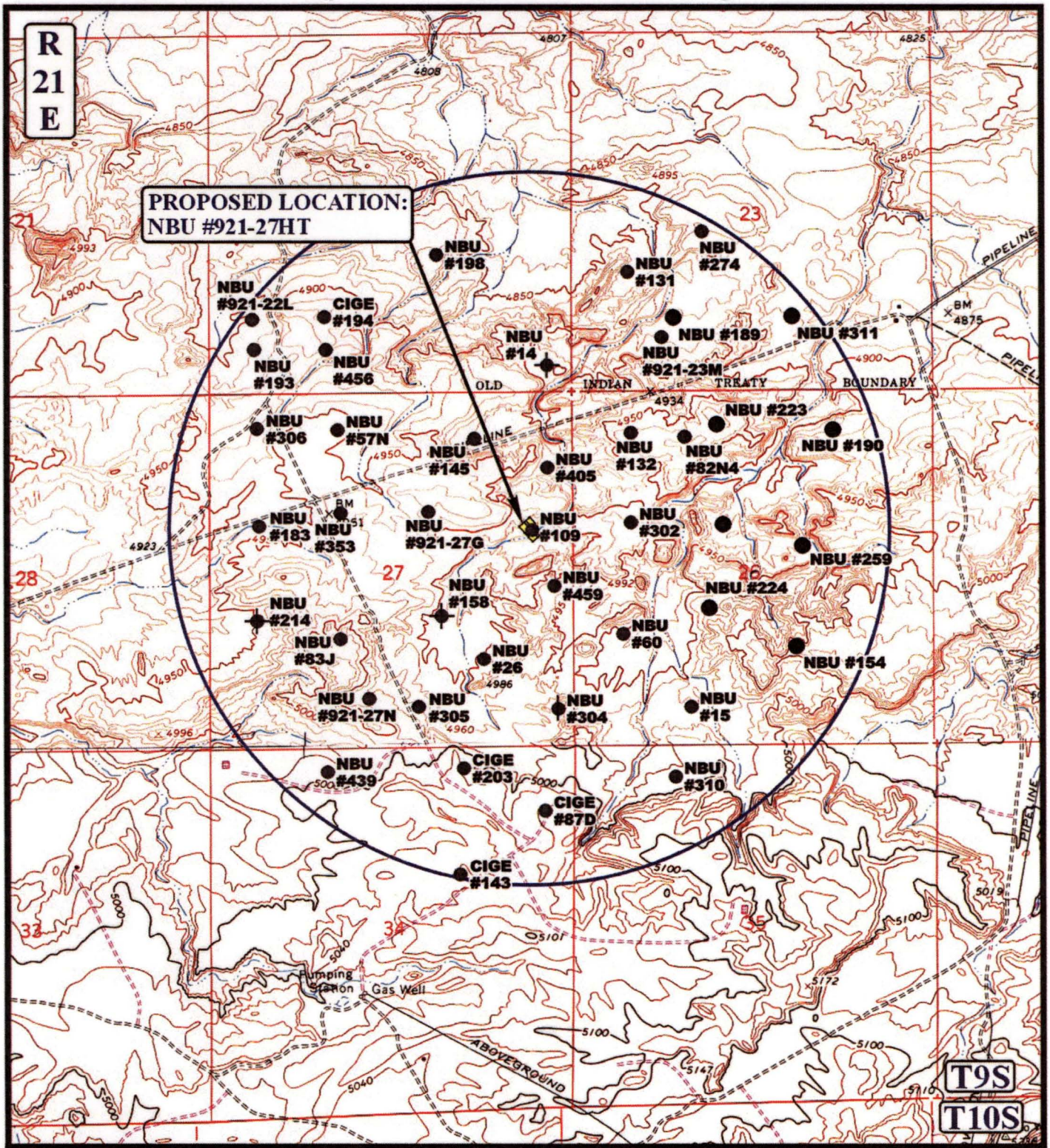
2025' FNL 623' FEL

Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078

(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	06 MONTH	11 DAY	08 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: S.L.	REVISED: 00-00-00		



LEGEND:

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

N

Kerr-McGee Oil & Gas Onshore LP

NBU #921-27HT
SECTION 27, T9S, R21E, S.L.B.&M.
2025' FNL 623' FEL

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

TOPOGRAPHIC MAP	06 MONTH	11 DAY	08 YEAR
SCALE: 1" = 2000'	DRAWN BY: S.L.	REVISED: 00-00-00	C TOPO

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/27/2008

API NO. ASSIGNED: 43-047-40173

WELL NAME: NBU 921-27HT
OPERATOR: KERR-MCGEE OIL & GAS (N2995)
CONTACT: KEVIN MCINTYRE

PHONE NUMBER: 720-929-6226

PROPOSED LOCATION:
SENE 27 090S 210E
SURFACE: 2025 FNL 0623 FEL
BOTTOM: 2025 FNL 0623 FEL
COUNTY: UINTAH
LATITUDE: 40.00873 LONGITUDE: -109.5299
UTM SURF EASTINGS: 625478 NORTHINGS: 4429551
FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering	DKD	9/11/08
Geology		
Surface		

LEASE TYPE: 3 - State
LEASE NUMBER: ST UO 1194A
SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

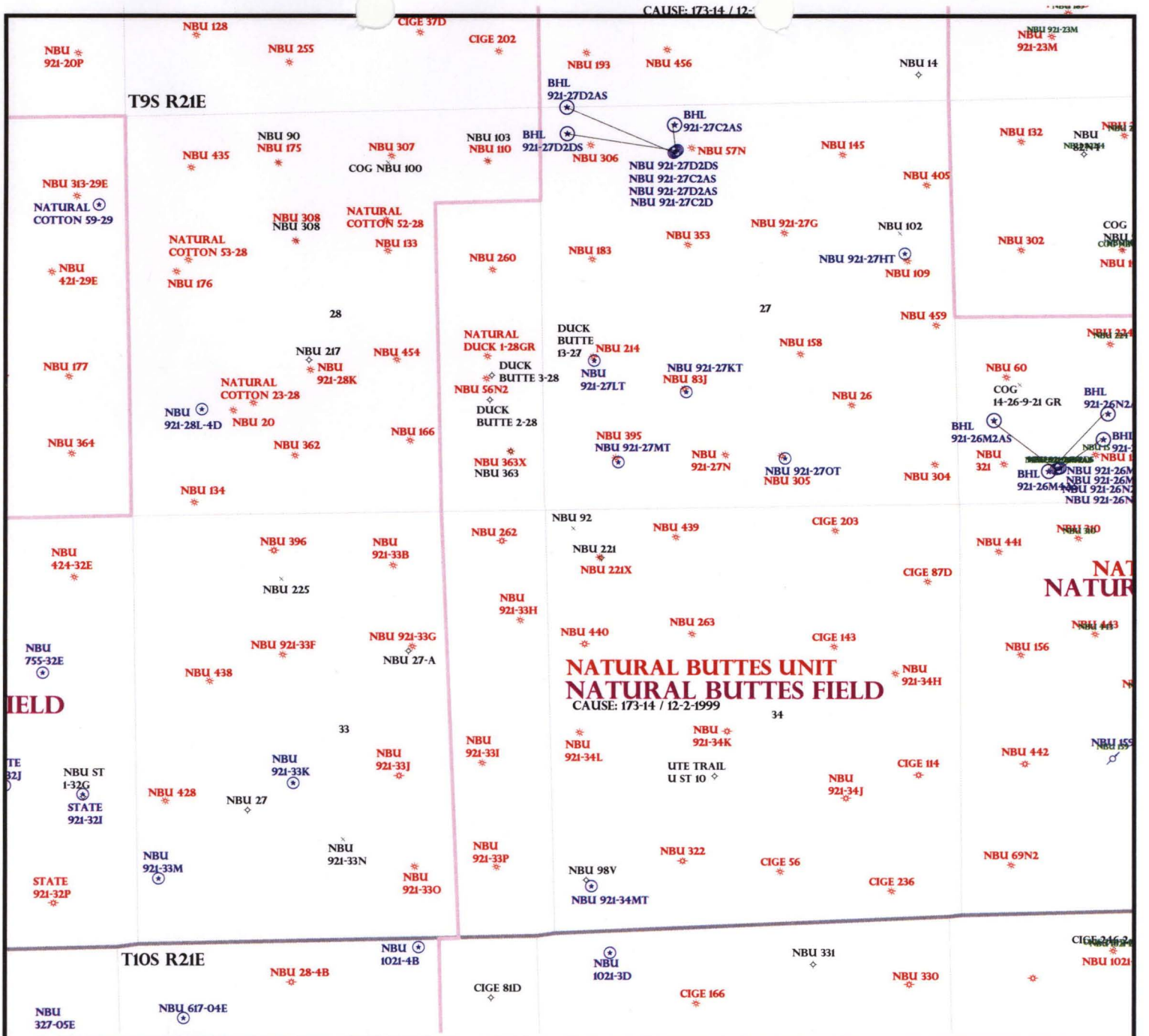
✓ Plat
✓ Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)
N Potash (Y/N)
Y Oil Shale 190-5 (B) or 190-3 or 190-13
✓ Water Permit
(No. 43-8496)
N RDCC Review (Y/N)
(Date:)
NA Fee Surf Agreement (Y/N)
NA Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.
Unit: NATURAL BUTTES
___ R649-3-2. General
Siting: 460 From Qtr/Qtr & 920' Between Wells
___ R649-3-3. Exception
✓ Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1999
Siting: 460' fr u bdys & Uncomm. Tract
___ R649-3-11. Directional Drill

COMMENTS: Need Onsite (06-18-08)

STIPULATIONS: 1- Statement of Basis
2- Oil Shale
3- Surface Csg Cmt Stip



OPERATOR: KERR MCGEE O&G (N2995)

SEC: 27, 33 T.9S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999

Field Status
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status
- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

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

UTAH DNR
OIL, GAS & MINING

N
W E
S

PREPARED BY: DIANA MASON
DATE: 14-JULY-2008

Application for Permit to Drill
Statement of Basis

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
863	43-047-40173-00-00		GW	S	No

Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.	**Surface Owner-APD**	
Well Name	NBU 921-27HT	**Unit**	NATURAL BUTTES
Field	NATURAL BUTTES	**Type of Work**	
Location	SENE 27 9S 21E S 2025 FNL 623 FEL	GPS Coord (UTM)	625478E 4429551N

Geologic Statement of Basis

Kerr McGee proposes to set 2,340' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 1,900'. A search of Division of Water Rights records shows one water well within a 10,000 foot radius of the center of Section 27. The well is listed as 200 feet deep and used for drilling water. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The proposed casing and cement should adequately protect. Any usable ground water.

Brad Hill	8/19/2008
APD Evaluator	**Date / Time**

Surface Statement of Basis

The proposed NBU 921-27HT gas well is on the existing location of the NBU 109 gas well. This well is planned to be plugged. A small swale or drainage has developed thru the location. It will be rerouted to the south around the pad and armored with rock as needed. A reserve pit 75' x 125' x 10' deep will be re-dug in the northwest corner of the location. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Floyd Bartlett	6/18/2008
Onsite Evaluator	**Date / Time**

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 20 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location. Armour diversion with rock as needed.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 921-27HT
API Number 43-047-40173-0 **APD No** 863 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 SENE **Sec** 27 **Tw** 9S **Rng** 21E 2025 FNL 623 FEL
GPS Coord (UTM) 625474 4429557 **Surface Owner**

Participants

Floyd Bartlett and David Hackford (DOGM), Jim Davis (SITLA), Raleen White, Kevin McIntyre, Clay Einerson and Tony Kzneck (Kerr McGee) and David Kay (Uintah Engineering and Land Surveying).

Regional/Local Setting & Topography

The proposed NBU 921-27HT gas well is on the existing location of the NBU 109 gas well. This well is planned to be plugged. A small swale or drainage has developed thru the location. It will be rerouted to the south around the pad and armored with rock as needed. A reserve pit 75' x 125' x 10' deep will be re-dug in the northwest corner of the location. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Surface Use Plan

Current Surface Use

New Road Miles	Well Pad Width	Well Pad Length	Src Const Material	Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diverson Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?	Paleo Potental Observed?	Cultural Survey Run?	Cultural Resources?

Reserve Pit

Site-Specific Factors			Site Ranking	
Distance to Groundwater (feet)	>200		0	
Distance to Surface Water (feet)	>1000		0	
Dist. Nearest Municipal Well (ft)	>5280		0	
Distance to Other Wells (feet)	300 to 1320		10	
Native Soil Type	Mod permeability		10	
Fluid Type	Fresh Water		5	
Drill Cuttings	Normal Rock		0	
Annual Precipitation (inches)	<10		0	
Affected Populations	<10		0	
Presence Nearby Utility Conduits	Not Present		0	
		Final Score	25	**Sensitivity Level**

Characteristics / Requirements

Reserve pit will be re-dug in previous location. Dimensions are 75' x 125' x 10' deep. A 20 mil liner will be used.

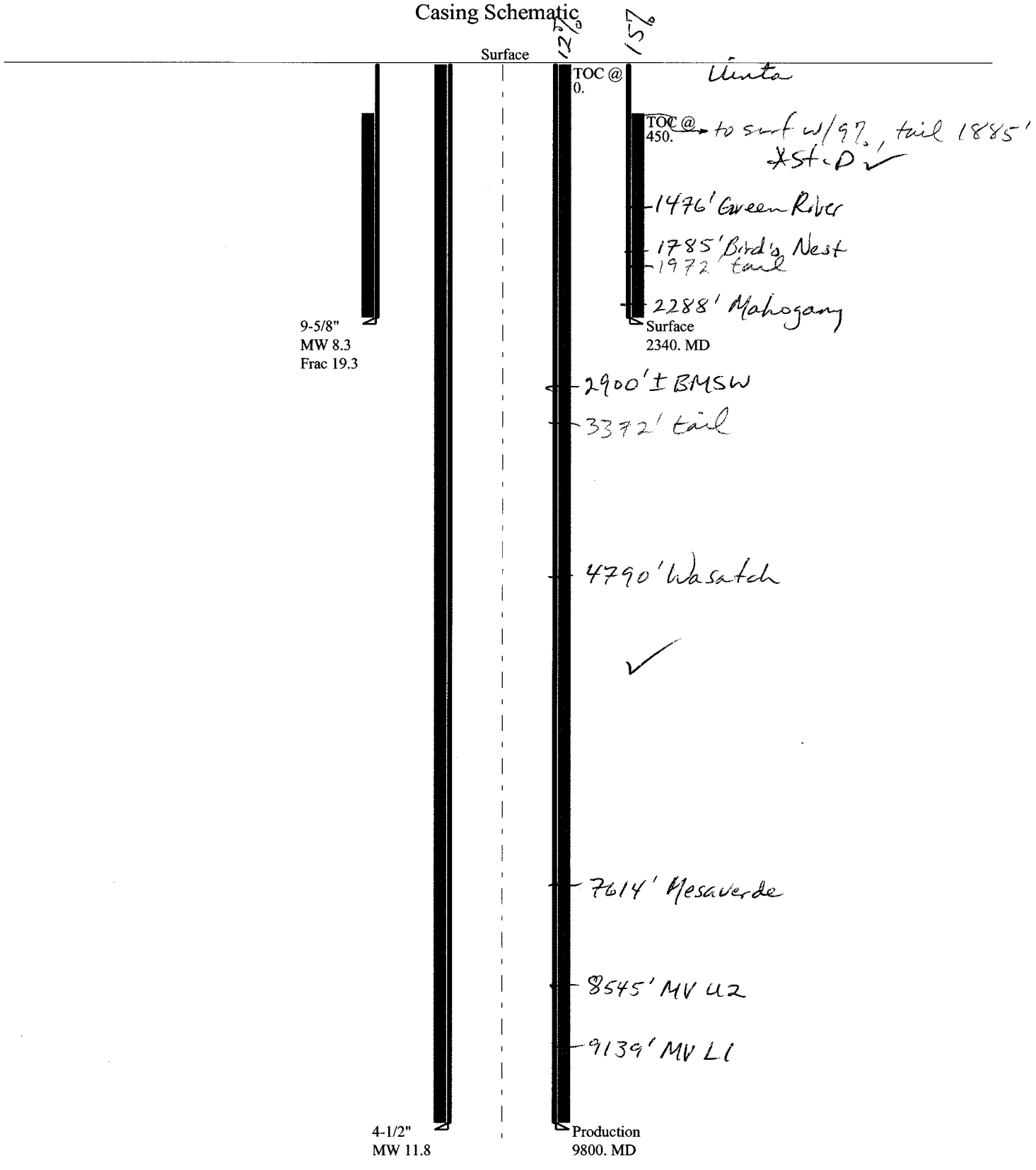
Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 20 **Pit Underlayment Required?** Y

Other Observations / Comments

Floyd Bartlett	6/18/2008
Evaluator	**Date / Time**

43047401730000 NBU 921-27HT

Casing Schematic



Well name:	**43047401730000 NBU 921-27HT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Surface
Project ID:	43-047-40173-0000
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight: 8.330 ppg
Design is based on evacuated pipe.

Burst

Max anticipated surface pressure: 2,059 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,340 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

8 Round STC: 1.80 (J)
8 Round LTC: 1.80 (J)
Buttress: 1.60 (J)
Premium: 1.50 (J)
Body yield: 1.50 (B)

Tension is based on buoyed weight.
Neutral point: 2,052 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 108 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 450 ft

Completion type is subs
Non-directional string.

Re subsequent strings:

Next setting depth: 9,800 ft
Next mud weight: 11.800 ppg
Next setting BHP: 6,007 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,340 ft
Injection pressure: 2,340 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	2340	9.625	36.00	J-55	LT&C	2340	2340	8.796	1015.7

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	1013	2020	1.995	2340	3520	1.50	74	453	6.13 J

Prepared by: Helen Sadik-Macdonald
Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: September 4,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 2340 ft, a mud weight of 8.33 ppg The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Engineering responsibility for use of this design will be that of the purchaser.

Well name:	**43047401730000 NBU 921-27HT**
Operator:	**Kerr McGee Oil & Gas Onshore L.P.**
String type:	Production
Project ID:	43-047-40173-0000
Location:	Uintah County, Utah

Design parameters:

Collapse

Mud weight:	11.800 ppg
Internal fluid density:	2.330 ppg

Burst

Max anticipated surface pressure:	3,851 psi
Internal gradient:	0.220 psi/ft
Calculated BHP	6,007 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor	1.125

Burst:

Design factor	1.00

Tension:

8 Round STC:	1.80 (J)
8 Round LTC:	1.80 (J)
Buttress:	1.60 (J)
Premium:	1.50 (J)
Body yield:	1.50 (B)

Tension is based on buoyed weight.
Neutral point: 8,071 ft

Environment:

H2S considered?	No
Surface temperature:	75 °F
Bottom hole temperature:	212 °F
Temperature gradient:	1.40 °F/100ft
Minimum section length:	1,500 ft
Cement top:	Surface

Completion type is subs
Non-directional string.

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft^3)
1	9800	4.5	11.60	I-80	LT&C	9800	9800	3.875	855.2

Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	4821	6360	1.319	6007	7780	1.30	94	212	2.26 J

Prepared by: Helen Sadik-Macdonald, Div of Oil,Gas & Minerals
Phone: (801) 538-5357
FAX: (801) 359-3940
Date: September 4,2008
Salt Lake City, Utah

Remarks:
Collapse is based on a vertical depth of 9800 ft, a mud weight of 11.8 ppg An internal gradient of .121 psi/ft was used for collapse from TD
Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

BOPE REVIEW — Kerr-McGee NBU 921-27HT API 43-047-40173-0000

INPUT

Well Name	Kerr-McGee NBU 921-27HT API 43-047-40173-0000			
	String 1	String 2		
Casing Size (")	9 5/8	4 1/2		
Setting Depth (TVD)	2340	9800		
Previous Shoe Setting Depth (TVD)	40	2340		
Max Mud Weight (ppg)	8.4	11.8 ✓		
BOPE Proposed (psi)	500	5000		
Casing Internal Yield (psi)	3520	7780		
Operators Max Anticipated Pressure (psi)	6076	11.9 ppg ✓		

Calculations	String 1	9 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =	1022	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	741	NO Air Drill to surface shoe with diverter
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	507	NO Reasonable Depth
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	516	← NO — No expected pressures
Required Casing/BOPE Test Pressure		2340	psi
*Max Pressure Allowed @ Previous Casing Shoe =		40	psi *Assumes 1psi/ft frac gradient

Calculations	String 2	4 1/2 "	
Max BHP [psi]	.052*Setting Depth*MW =	6013	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	4837	YES ✓
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	3857	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	4372	← NO Reasonable
Required Casing/BOPE Test Pressure		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe =		2340	psi *Assumes 1psi/ft frac gradient

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)

July 15, 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)		
43-047-40184	NBU 921-30FT	Sec 30 T09S R21E 1585 FNL 2614 FWL
43-047-40185	NBU 921-31BT	Sec 31 T09S R21E 0670 FNL 2008 FEL
43-047-40170	NBU 921-27KT	Sec 27 T09S R21E 1527 FSL 1821 FWL
43-047-40171	NBU 921-27MT	Sec 27 T09S R21E 0634 FSL 0931 FWL
43-047-40172	NBU 921-27OT	Sec 27 T09S R21E 0646 FSL 2211 FEL
43-047-40173	NBU 921-27HT	Sec 27 T09S R21E 2025 FNL 0623 FEL
43-047-40174	NBU 921-27LT	Sec 27 T09S R21E 1954 FSL 0641 FWL
43-047-40175	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-40227	NBU 921-27C2D	Sec 27 T09S R21E 0650 FNL 1730 FWL
43-047-40203	NBU 921-27D2DS	Sec 27 T09S R21E 0660 FNL 1713 FWL
	BHL	Sec 27 T09S R21E 0395 FNL 0350 FWL
43-047-40202	NBU 921-27D2AS	Sec 27 T09S R21E 0640 FNL 1747 FWL
	BHL	Sec 27 T09S R21E 0050 FNL 0350 FWL
43-047-40201	NBU 921-27C2AS	Sec 27 T09S R21E 0630 FNL 1765 FWL
	BHL	Sec 27 T09S R21E 0300 FNL 1730 FWL
43-047-40169	NBU 921-26IT	Sec 26 T09S R21E 1964 FSL 0674 FEL
43-047-40176	NBU 922-29NT	Sec 29 T09S R22E 0845 FSL 1627 FWL
43-047-40177	NBU 922-29KT	Sec 29 T09S R22E 1795 FSL 1936 FWL
43-047-40178	NBU 922-31BT	Sec 31 T09S R22E 0888 FNL 2191 FEL

43-047-40179	NBU 922-32ET	Sec	32	T09S	R22E	2477	FNL	0094 FWL
43-047-40186	NBU 922-33OT	Sec	33	T09S	R22E	0692	FSL	1465 FEL
43-047-40187	NBU 922-33NT	Sec	33	T09S	R22E	0890	FSL	2291 FWL
43-047-40188	NBU 922-33IT	Sec	33	T09S	R22E	2115	FSL	0579 FEL
43-047-40191	NBU 1022-04GT	Sec	04	T10S	R22E	1897	FNL	1861 FEL
43-047-40189	NBU 922-35IT	Sec	35	T09S	R22E	2133	FSL	0627 FEL
43-047-40190	NBU 1022-01CT	Sec	01	T10S	R22E	0819	FNL	2106 FWL
43-047-40192	NBU 1022-08IT	Sec	08	T10S	R22E	1757	FSL	0323 FEL
43-047-40193	NBU 1022-08GT	Sec	08	T10S	R22E	2313	FNL	1922 FEL
43-047-40194	NBU 1022-09AT	Sec	09	T10S	R22E	0472	FNL	0582 FEL
43-047-40195	NBU 1022-10HT	Sec	10	T10S	R22E	1798	FNL	0297 FEL
43-047-40196	NBU 1022-10FT	Sec	10	T10S	R22E	2200	FNL	2094 FWL
43-047-40204	NBU 1022-32D1S	Sec	32	T10S	R22E	0205	FNL	2058 FWL
	BHL	Sec	32	T10S	R22E	0270	FNL	1310 FWL
43-047-40205	NBU 1022-32D4AS	Sec	32	T10S	R22E	0198	FNL	2077 FWL
	BHL	Sec	32	T10S	R22E	0760	FNL	1180 FWL
43-047-40206	NBU 1022-32B3S	Sec	32	T10S	R22E	0185	FNL	2114 FWL
	BHL	Sec	32	T10S	R22E	1150	FNL	2130 FEL
43-047-40207	NBU 1022-32D4DS	Sec	32	T10S	R22E	0192	FNL	2096 FWL
	BHL	Sec	32	T10S	R22E	1240	FNL	1050 FWL

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:7-15-08

From: Jim Davis
To: Bonner, Ed; Mason, Diana; Raleen.White@anadarko.com
Date: 8/7/2008 11:04 AM
Subject: Kerr McGee Approvals

The following wells have been granted approval by the trust lands Administration, including arch and paleo clearance.

4304740169	NBU 921-26IT	Kerr-McGee Oil & Gas	Natural Buttes	NESE	26	090S	210E
4304740170	NBU 921-27KT	Kerr-McGee Oil & Gas	Natural Buttes	NESW	27	090S	210E
4304740171	NBU 921-27MT	Kerr-McGee Oil & Gas	Natural Buttes	SWSW	27	090S	210E
4304740172	NBU 921-27OT	Kerr-McGee Oil & Gas	Natural Buttes	SWSE	27	090S	210E
4304740173	NBU 921-27HT	Kerr-McGee Oil & Gas	Natural Buttes	SENE	27	090S	210E
4304740174	NBU 921-27LT	Kerr-McGee Oil & Gas	Natural Buttes	NWSW	27	090S	210E
4304740176	NBU 922-29NT	Kerr-McGee Oil & Gas	Natural Buttes	SESW	29	090S	220E
4304740177	NBU 922-29KT	Kerr-McGee Oil & Gas	Natural Buttes	NESW	29	090S	220E
4304740178	NBU 922-31BT	Kerr-McGee Oil & Gas	Natural Buttes	NWNE	31	090S	220E
4304740179	NBU 922-32ET	Kerr-McGee Oil & Gas	Natural Buttes	SWNW	32	090S	220E
4304740114	NBU 921-35AT	Kerr-McGee Oil & Gas	Natural Buttes	NENE	35	090S	210E
4304740146	NBU 922-29LT	Kerr-McGee Oil & Gas	Natural Buttes	NWSW	29	090S	220E

-Jim

Jim Davis
Utah Trust Lands Administration
jimdavis1@utah.gov
Phone: (801) 538-5156

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

September 11, 2008

Kerr-McGee Oil & Gas Onshore, LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 921-27HT Well, 2025' FNL, 623' FEL, SE NE, Sec. 27, T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40173.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

1594 West North Temple, Suite 1210, PO Box 145801, Salt Lake City, UT 84114-5801
telephone (801) 538-5340 • facsimile (801) 359-3940 • TTY (801) 538-7458 • *www.ogm.utah.gov*

UTAH DNR OIL, GAS & MINING

Operator: Kerr-McGee Oil & Gas Onshore, LP

Well Name & Number NBU 921-27HT

API Number: 43-047-40173

Lease: ST UO 1194A

Location: SE NE **Sec.** 27 **T.** 9 South **R.** 21 East

Conditions of Approval

1. **General**

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

2. **Notification Requirements**

   The operator is required to notify the Division of Oil, Gas and Mining of the following action during drilling of this well:

   - 24 hours prior to cementing or testing casing – contact Dan Jarvis
   - 24 hours prior to testing blowout prevention equipment – contact Dan Jarvis
   - 24 hours prior to spudding the well – contact Carol Daniels
   - Within 24 hours of any emergency changes made to the approved drilling program – contact Dustin Doucet
   - Prior to commencing operations to plug and abandon the well – contact Dan Jarvis

   The operator is required to get approval from the Division of Oil, Gas and Mining before performing any of the following actions during the drilling of this well:

   - Plugging and abandonment or significant plug back of this well – contact Dustin Doucet
   - Any changes to the approved drilling plan – contact Dustin Doucet

   The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voice mail message if the person is not available to take the call):

   - Dan Jarvis at: (801) 538-5338 office (801) 942-0871 home
   - Carol Daniels at: (801) 538-5284 office
   - 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. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

5. Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)

6. 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.

7. Surface casing shall be cemented to the surface.

Form 9

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

6. Lease Designation and Serial Number	ST UO 1194A
7. Indian Allottee or Tribe Name	N/A
8. Unit or Communitization Agreement	891008900A
9. Well Name and Number	NBU 921-27HT
10. API Well Number	43-047-40173
11. Field and Pool, or Wildcat	NATURAL BUTTES

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT -- for such proposals

1. Type of Well: [ ] Oil Well [X] Gas Well [ ] Other (specify)

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

3. Address of Operator: PO BOX 173779, DENVER, CO 80217-3779

4. Telephone Number: *720-929-6666*

5. Location of Well
Footage : 2025' FNL, 623' FEL
QQ, Sec, T., R., M : SENE, SECTION 27, T9S, R21E SLB&M
County : UINTAH
State : UTAH

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

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
[ ] Abandonment	[ ] New Construction	[ ] Abandonment *	[ ] New Construction
[ ] Casing Repair	[ ] Pull or Alter Casing	[ ] Casing Repair	[ ] Pull or Alter Casing
[ ] Change of Plans	[ ] Recompletion	[ ] Change of Plans	[ ] Shoot or Acidize
[ ] Conversion to Injection	[ ] Shoot or Acidize	[ ] Conversion to Injection	[ ] Vent or Flare
[ ] Fracture Treat	[ ] Vent or Flare	[ ] Fracture Treat	[ ] Water Shut-Off
[ ] Multiple Completion	[ ] Water Shut-Off	[ ] Other	
[X] Other FOOTAGE CHANGE			

Approximate Date Work Will Start: _____

Date of Work Completion: _____

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.
* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

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

NEW FOOTAGES: 2059' FNL, 593' FEL

625487X
44295414
40.008439
-104.519784

COPY SENT TO OPERATOR
Date: 1.27.2009
Initials: KS

RECEIVED
JAN 07 2009
DIV. OF OIL, GAS & MINING

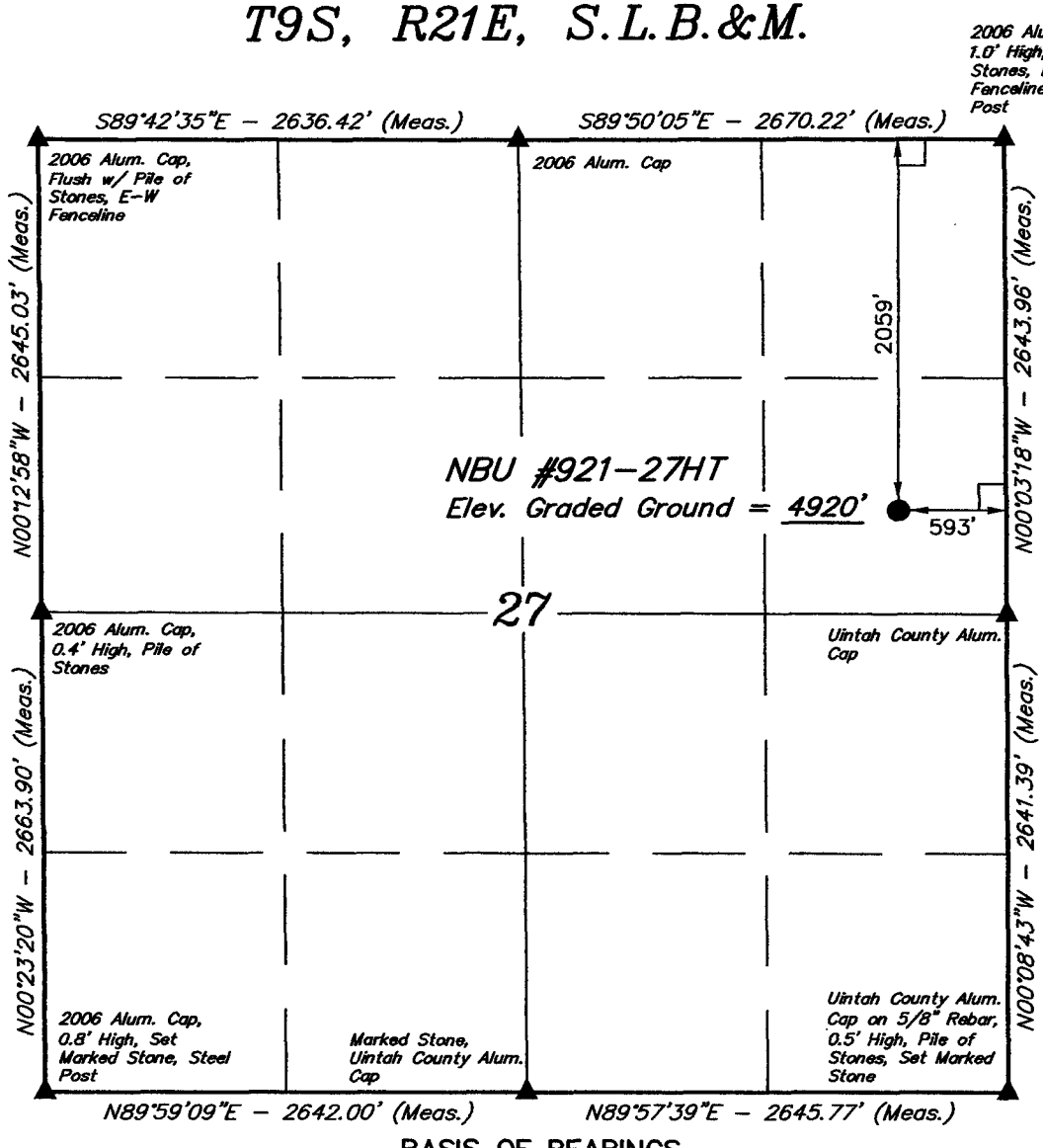
14. I hereby certify that the foregoing is true and correct.

Name & Signature: RALEEN WHITE Raleen White Title: SR. REG. ANALYST Date: *1/5/2009*

(State Use Only) APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 1/26/09
BY:

(8/90) See Instructions on Reverse Side

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



BASIS OF BEARINGS

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

LEGEND:

∟ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

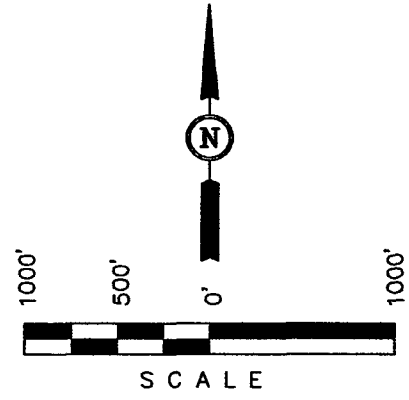
(NAD 83)
LATITUDE = 40°00'31.13" (40.008647)
LONGITUDE = 109°31'49.88" (109.530522)
(NAD 27)
LATITUDE = 40°00'31.26" (40.008683)
LONGITUDE = 109°31'47.40" (109.529833)

Kerr-McGee Oil & Gas Onshore LP

Well location, NBU #921-27HT, located as shown in the SE 1/4 NE 1/4 of Section 27, T9S, R21E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

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



SCALE

CERTIFICATE

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

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 12-11-08 C.C.

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

SCALE	DATE SURVEYED:	DATE DRAWN:
1" = 1000'	06-08-08	06-10-08
PARTY: L.K. D.K. S.L.	REFERENCES: G.L.O. PLAT	
WEATHER: WARM	Kerr-McGee Oil & Gas Onshore LP	

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

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

Well Name: **NBU 921-27HT**

Api No: **43-047-40173** Lease Type: **STATE**

Section **27** Township **09S** Range **21E** County **UINTAH**

Drilling Contractor **CRAIG'S ROUSTABOUT SERV** RIG # **RATHOLE**

SPUDDED:

Date **02/11/2009**

Time **8:00 AM**

How **DRY**

Drilling will Commence:

Reported by **LEW WELDON**

Telephone # **(435) 828-7035**

Date **02/11/2009** **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
4304737906	NBU 920-27H		SENE	27	9S,	20E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	2/11/2009			2/19/09	
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 02/11/2009 AT 10:00 AM							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304740173	NBU 921-27HT		SENE	27	9S,	21E	UINTAH
Action Code	**Current Entity Number**	**New Entity Number**	**Spud Date**			**Entity Assignment Effective Date**	
B	99999	2900	2/11/2009			2/19/09	
Comments: MIRU PETE MARTIN BUCKET RIG. WSMVD SPUD WELL LOCATION ON 02/11/2009 AT 8:00 AM.							

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

2/11/2009
Date

RECEIVED
FEB 11 2009
DIV. OF OIL, GAS & MINING

(5/2000)

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

FORM 9

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.

5. LEASE DESIGNATION AND SERIAL NUMBER:	ST UO-01194 A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
7. UNIT or CA AGREEMENT NAME:	UNIT #891008900A
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER	8. WELL NAME and NUMBER: NBU 921-27HT
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP	9. API NUMBER: 4304740173
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078	PHONE NUMBER: (435) 781-7024
	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2025'FNL, ~~623~~ 593'FEL	COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S, 21E	STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: WELL SPUD
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

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 02/11/2009 AT 8:00 AM.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE Sheila Upchego DATE 2/11/2009

(This space for State use only)

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FEB 12 2009
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-01194 A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-27HT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740173

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2025'FNL, 623'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S, 21E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: SET SURFACE CSG
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

MIRU PROPETRO AIR RIG ON 02/11/2009. DRILLED 12 1/4" SURFACE HOLE TO 2450'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DISPLACE W/183.4 BBLS H2O FLOATS HELD PLUG DOWN. TOP OUT W/175 SX PREM CLASS G @15.8 PPG 1.15 YIELD. CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 2/26/2009

(This space for State use only)

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MAR 0 2 2009
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-01194 A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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.

7. UNIT or CA AGREEMENT NAME: UNIT #891008900A

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ OTHER

8. WELL NAME and NUMBER: NBU 921-27HT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740173

3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078

PHONE NUMBER: (435) 781-7024

10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 2025'FNL, 623'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S, 21E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☑ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: FINAL DRILLING OPERATIONS
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

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

FINISHED DRILLING FROM 2450' TO 9808' ON 03/18/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/440 SX PREM LITE II @11.3# PPG 3.06 YIELD. TAILED CMT W/1240 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. FINAL CIRC PRESS 2664 PSI TO BUMP PLUG 3216 PSI 552 PSI OVER BUMP PLUG FLOATS NOT HOLDING. CHECK FLOW LINE NO FLOW NIPPLE DOWN BOPE.

RELEASED PIONEER RIG 69 ON 03/20/2009 AT 0600 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE DATE 3/30/2009

(This space for State use only)

RECEIVED
APR 20 2009
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

API Well No: 43047401730000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1194A

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 921-27HT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401730000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2059 FNL 0593 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 09.0S Range: 21.0E 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
✓ DRILLING REPORT Report Date: 11/19/2009	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ 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 11/19/2009 AT 10:20 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
November 23, 2009

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 11/23/2009

RECEIVED November 23, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/19/2009		End Date: 3/20/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/19/2009	12:00 - 0:00	12.00	DRLSUR	02	A	P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1200 HR 2/19/09 DA AT REPORT TIME 810'
2/20/2009	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 1260'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD HIT TRONA WATER @ 1690' DA
2/21/2009	0:00 - 6:00	6.00	DRLSUR	02	A	P		RIG DRILLED TO 1710' LOST 30,000 # PREPAIR TO TRIP OUT OF HOLE
	6:00 - 9:00	3.00	DRLSUR	06	A	P		TRIP DP OUT OF HOLE LOST 3 EA 8" AND 5 EA. 6" COLLARS IN HOLE WAIT FOR FISHING TOOLS
	9:00 - 11:00	2.00	DRLSUR	21	E	Z		WAIT FOR FISHING TOOLS
	11:00 - 20:00	9.00	DRLSUR	19	A	Z		RIH W/ FISHING TOOLS RETRIVE FISH LDDS AND FISH RIH WITH TRICONE
	20:00 - 0:00	4.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1810'
2/22/2009	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1890'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 1990'
2/23/2009	0:00 - 6:00	6.00	DRLSUR	02	A	P		RIG DRILLED TO 2060' LOST 40,000# PREPAIR TO TRIP OUT OF HOLE
	6:00 - 9:00	3.00	DRLSUR	06	G	Z		TRIP DP OUT OF HOLE LOST ALL 8" AND 6" COLLARS IN HOLE
	9:00 - 18:00	9.00	DRLSUR	19	A	Z		RIH W/ FISHING TOOLS RETIVE FISH LDDS AND FISH
	18:00 - 21:00	3.00	DRLSUR	06	A	P		RIH W/ TRICONE BIT
	21:00 - 0:00	3.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 2120'
2/24/2009	0:00 - 7:30	7.50	DRLSUR	02	A	P		DRILL F/ 2120' - T/ 2270' - PUMP DRILL W/ NO RETURNS
	7:30 - 13:00	5.50	DRLSUR	08	A	Z		RIG REPAIR ON MAIN HYDRAULIC PUMP
	13:00 - 17:00	4.00	DRLSUR	02	A	P		DRILL F/ 2270' - T/ 2360' - PUMP DRILL W/ NO RETURNS
	17:00 - 0:00	7.00	DRLSUR	06	A	P		P.O.O.H FOR BIT CHANGE / SWAP OUT DRILL COLLARS ON TRIP
2/25/2009	0:00 - 2:30	2.50	DRLSUR	06	A	P		P.O.O.H. / CHANGE OUT BHA & BIT
	2:30 - 6:30	4.00	DRLSUR	06	A	P		T.I.H. W/ TRI-CONE BIT
	6:30 - 11:30	5.00	DRLSUR	02	A	P		DRILL F/ 2360 - T/ 2450' (T.D.)
	11:30 - 12:30	1.00	DRLSUR	05	C	P		CIRCULATE & CONDITION HOLE FOR CASING
	12:30 - 13:00	0.50	DRLSUR	10	A	P		WIRELINE SURVEY @ 2390' - 1.25 DEG
	13:00 - 15:30	2.50	DRLSUR	06	D	P		L.D.D.S.
	15:30 - 18:00	2.50	DRLSUR	12	C	P		SAFETY MEETING / RIG UP & RUN 56 JTS 9 5/8 #36 LT&C CASING SET @ 2422' (G.L.)
	18:00 - 20:00	2.00	DRLSUR	05	D	P		CIRCULATE CASING FOR CEMENT - DISPLACE 1000 BBLS WATER FROM RESERVE PIT TO HOLE
	20:00 - 21:00	1.00	DRLSUR	12	E	P		PUMP 350 SX #15.8 CEMENT DOWN CASING / DISPLACE W/ 183.4 BBLS H2O / FLOATS HELD / PLUG DOWN @ 20:30 HRS / NO CEMENT TO SURFACE / PUMP 100 SX #15.8 DOWN BACKSIDE
	21:00 - 23:00	2.00	DRLSUR	13	A	P		WAIT ON CEMENT TO SET
	23:00 - 0:00	1.00	DRLSUR	12	F	P		PUMP 175 SX #15.8 CEMENT W/ CEMENT TO SURFACE / SLIGHT FALL BACK OF APPROX .5 BBLS / CEMENT REMAINED AT SURFACE

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/19/2009		End Date: 3/20/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/8/2009	10:00 - 0:00	14.00	DRLPRO	01	E	P		RDRT PREPARE TO MOVE TO THE NBU 921-27HT 3-9-09
3/9/2009	0:00 - 7:30	7.50	DRLPRO	01	E	P		RDRT PREPARE F/ MOVE
	7:30 - 18:00	10.50	DRLPRO	01	A	P		MIRU ON THE NBU 921-27HT - 4-BED TRUCK-2-HAUL-TRUCKS - 1- CRANE, 1-FORKLIFT- 4 EXTRA HANDS ON MOVE - RELEASE TRUCKS AT 16:30 CRANE AT 1800 HRS
	18:00 - 0:00	6.00	DRLPRO	01	B	P		RURT, RAISE DRK AT 1800 HRS
3/10/2009	0:00 - 7:30	7.50	DRLPRO	01	B	P		RURT,RIG UP FLOOR AND EQUIP,BACK YARD, ELECTRICAL FLARE LINES, ECT, PRE SPUD INSPECTION
	7:30 - 11:30	4.00	DRLPRO	14	A	P		NIPPLE UP BOPE, CHANGE 2X5000 CHECK VALVE
	11:30 - 13:00	1.50	DRLPRO	09	A	P		CUT AND SLIP 85' DRLG LINE
	13:00 - 18:00	5.00	DRLPRO	15	A	P		PRESS TEST BOPE, UPPER & LOWER KELLY VALVES - HIGH=5000 PSI,LOW=250 PSI, BLIND RAMS, PIPE RAMS,CHOKE VALVES,CHOKE MANIFOLD, KILL LINE- HIGH=5000 PSI, LOW= 250 PSI, ANNULAR - HIGH - 2500 PSI, LOW= 250 PSI, CSNG TO 1500 PSI FOR 30 MIN
	18:00 - 0:00	6.00	DRLPRO	06	A	P		HELD SAFETY W/ TESCO - RIG CREW-DIRECTIONAL HANDS- RIG UP SAME. P/U BHA # 1 W/ 1.5 BENT HOUSING MM,
3/11/2009	0:00 - 1:30	1.50	DRLPRO	06	A	P		P/U PIPE TAG @ 2333' - RIG DOWN TESCO
	1:30 - 2:00	0.50	DRLPRO	06	A	P		TORQUE KELLY AND VALVES, INSTALL DRIVE BUSHINGS & ROTATING HEAD RUBBER
	2:00 - 2:30	0.50	DRLPRO	11	E	P		TEST DIR TOOLS
	2:30 - 4:30	2.00	DRLPRO	02	F	P		DRLG CMNT,FLOAT,SHOE
	4:30 - 5:30	1.00	DRLPRO	11	E	P		TEST DIR TOOLS, TOOLS NOT WORKING
	5:30 - 7:00	1.50	DRLPRO	06	H	Z		TRIP OUT
	7:00 - 8:30	1.50	DRLPRO	11	E	Z		WORK ON DIR TOOLS
	8:30 - 9:00	0.50	DRLPRO	06	H	P		TRIP IN BHA
	9:00 - 10:00	1.00	DRLPRO	11	E	P		TEST DIR TOOLS MWD
	10:00 - 10:30	0.50	DRLPRO	06	A	P		TRIP IN HOLE
	10:30 - 11:00	0.50	DRLPRO	10	D	P		SURVEY@ 2397' .44 DEGREE 152.32 AZ
	11:00 - 13:30	2.50	DRLPRO	02	C	P		DRLG FORMATION F/ 2468' TO 2542' = 74' - 50' HR-WOB-17,STRNGWT=UP/DWN/ROT-90/80'85-DIFF PRESS 300-SPP-1250-MW-8.3-VIS-26-
	13:30 - 14:00	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	14:00 - 21:00	7.00	DRLPRO	02	C	P		DRILL,SLIDE F/ 2542'TO 3432' SLIDE-TOTAL-75' -ROT=889' WOB-17,SPP=1300,DIFF-310-ROTARY-50-MM-140-TOTAL DRLG TIME 9.5
	21:00 - 0:00	3.00	DRLPRO	10	B	P		TOTAL SURVEY TIME 3HRS
3/12/2009	0:00 - 13:30	13.50	DRLPRO	02	D	P		DRLG F/ 3432' TO 5068' = 1636 FT - 121'\FPH - WOB-17,STRNG WT-UP/DWN/ROT-113-100-108-SPP-1450-DFF-200-300-OFBTM-1250-RPM-50-MTRRPM-140-GPM-454 MUD WT - 8.4 VIS 28 TOTAL SLIDES -71'
	13:30 - 15:30	2.00	DRLPRO	10	D	P		TIME F/ SURVEYS
	15:30 - 16:00	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	16:00 - 23:30	7.50	DRLPRO	02	D	P		DRLG F/ 5068' TO 5891' - 823' - 110FPH-WOB-18-STRING WT - UP/DWN/ROT-145-130-138-SPP-1570-OFFBTM-2470-DIFF-250-350-GPM-454-RPM-50-MUDMTR-140-MUD WT-8.4 VIS-28 NO SLIDES
	23:30 - 0:00	0.50	DRLPRO	10	D	P		SURVEY TIME

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/19/2009		End Date: 3/20/2009
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/13/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG F/ 5891' TO 6935' - 1044' - 70 FPH - WOB-19-STRNGWT-UP/DWN/ROT-142-150-135,SPP-1850-OFFBTM-1650-DIFF-210-320-GPM-454-RPM-55-MUDMTR-140-MUD WT - 9.1-VIS36
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 6935' TO 7384' - 449' - 53FPH - WOB-19-STRINGWT-UP/DWN/ROT-160-140-150-SPP-1950-OFFBTM-1750-DIFF-230-380-GPM-454-RPM-55-MUDMTR-140-MUD WT- 9.4 VIS- 38
3/14/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG F/ 7384' TO 8042' - 658'-44FPH-WOB-22-STRNGWT-UP/DWN/ROT-170-155-160-SPP-2000-OFFBTM-1850-DFF-300-320-GPM-454-RPM-55-MUDMTR-140-MUD WT-9.4-10.0 VIS 38
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 8042' TO 8328' - 286' - 34 FPH-WOB-23-STRING WT- UP/DWN/ROT/ -170-160-165-SPP-2150-OFFBTM-1950-DFF-250-300-GPM-454RPM-55-60-MUDMTR-140 MUD WT - 10.0 - 10.4+ VIS- 43
3/15/2009	0:00 - 2:30	2.50	DRLPRO	02	B	P		DRLG F/ 8328' TO 8376' - 48' - 19 FPH - WOB-24-STRNGWT-UP/DWN/ROT-170-160-165-SPP-2150-OFFBTM-1950-GPM-454-DIFF-250-300-RPM-55-MUDMTR-140 MUD WT-10.4+ VIS-45
	2:30 - 3:00	0.50	DRLPRO	05	C	P		CIRC,BUILD,PUMP SLUG
	3:00 - 10:00	7.00	DRLPRO	06	A	P		TRIP OUT F/ BIT # 1 & MM- TIGHT HOLE F/ 4467' TO 4435' LAY DOWN DIR TOOLS,BIT # 1 AND MUD MTR
	10:00 - 11:30	1.50	DRLPRO	06	A	P		P/U BIT # 2 AND MUD MTR- TRIP TO SHOE
	11:30 - 12:30	1.00	DRLPRO	09	A	P		SLIP AND CUT 65' DRLG LINE
	12:30 - 14:30	2.00	DRLPRO	06	A	P		TRIP IN HOLE NO PROBLEMS
	14:30 - 15:00	0.50	DRLPRO	03	D	P		WASH AND REAM 30'
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	15:30 - 16:00	0.50	DRLPRO	03	D	P		WASH AND REAM 60' TO BOTTOM - 15' FILL
	16:00 - 21:30	5.50	DRLPRO	02	B	P		DRLG F/ 8376' TO 8557' - 181' - 33FPH -WOB-18-STRNGWT-UP/DWN/ROT-170-160-165-SSP-2050-DIFF PESS-200-350-GPM-0FFBTM-1850-RPM-55-MUDMTR-140-MUD WT-10.8 VIS -46 . LOST DIFF PRESS PR SLOWED,
	21:30 - 22:00	0.50	DRLPRO	05	C	P		CIRC,BUILD AND PUMP SLUG
	22:00 - 0:00	2.00	DRLPRO	06	H	P		TRIP F/ MUD MOTOR
3/16/2009	0:00 - 2:30	2.50	DRLPRO	06	A	P		TRIP OUT,BRK BIT AND LAY DOWN MUD MTR
	2:30 - 7:30	5.00	DRLPRO	06	A	P		P/U MUD MTR AND RR BIT #1 TRIP IN HOLE,LAY DOWN 3 JOINTS,FILL PIPE AT 2468' NO HOLE PROBLEMS ON TRIP IN
	7:30 - 8:30	1.00	DRLPRO	03	D	P		WASH&REAM 102' TO BOTTOM (20' FILL)
	8:30 - 15:00	6.50	DRLPRO	02	B	P		DRLG F/ 8557' TO 8787' - 230' - 35 FPH-WOB-18-STRING WT-UP/DWN/ROT-180-160-170SPP-2250-2350-OFFBTM-1950-GPM-454-SPM-120-RPM-55-MUDMTR-140-DIFF PRESS-250-350-MUD WT-11.0-11.2 VIS=48 - TRIP GAS 3050 W/ 10' FLARE- 2 TENTHS MUD CUT
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG

US ROCKIES REGION
Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
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Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 8787' TO 9097' - 310' - 36 FPH - WOB 20,STRING WT-UP/DWN/ROT-185-165-175-SPP-2400-OFFBTM -2200-DIFF PRESS-180-350-GPM-454-SPM-120-RPM-50-MUD MTR-140 - MUD WT - 11.5-VIS-45
3/17/2009	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG F/ 9097' TO 9579' - 482' - 34FPH-WOB19-STRUNGWT=170-190-180-SS0-240 0-2350-0FFBTM-2200-DIFF-250-35- -GPM-454-MUDMTRRPM-140-RPM-55-MUD WT-11.5 VIS 48
	14:00 - 14:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG F/ 9579' TO 9794' - 215' - 23' HR-WOB-20-23-STRINGWT-UP/DWN/ROT/195-175 -185-SPP-2450-DIFF-250-350-GPM-454-0FFBTM-22 50-RPM-55-MUDMTR-140-MUDWT-11.5 VIS- 48
3/18/2009	0:00 - 1:00	1.00	DRLPRO	02	B	P		DRLG F/ 9794' TO 9808' -T.D.- 14' - 14FPH,WOB-24-STRINGWT- -UP/DWN/ROT-195-175-185,SPP-245-OFFBTM-225 0-DIFFPRESS-250-350-SPM-120-GPM-454-RPM-55 -MUDMTR-140-MUDT WT -11/5-VIS48
	1:00 - 2:00	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP, BUILD AND PUMP SLUG
	2:00 - 3:00	1.00	DRLPRO	06	E	P		SHORT TRIP 20 STANDS (8535' NO PROBLEMS)
	3:00 - 4:30	1.50	DRLPRO	05	C	P		CIRC TO L.D.D.P. - HELD SAFETY MTNG W/ LAY DOWN CREW AND RIG CREW RIG UP SAME, PUMP SLUG
	4:30 - 7:00	2.50	DRLPRO	06	A	P		LAY DOWN DRILL PIPE
	7:00 - 8:00	1.00	DRLPRO	08	A	X		WORK ON BRAKE BAND LINKAGE
	8:00 - 9:30	1.50	DRLPRO	06	A	P		LAY DOWN DRILL PIPE TIGHT @ 4465' WORKED TIGHT SPOT UNTILL NO OVER PULL
	9:30 - 10:00	0.50	DRLPRO	08	A	S		ADJUST ROLLERS ON BRAKE BANDS
	10:00 - 13:30	3.50	DRLPRO	06	A	P		LAY DOWN DRILL PIPE, BREAK KELLY AND VALVES, LAY DOWN BHA
	13:30 - 20:30	7.00	DRLPRO	11	C	P		HELD SAFETY MTNG W/ LOGGERS AND RIG CREW,RIG UP AND RUN TRIPLE COMBO LOGS - DEPTH = 9814' - RIG DOWN LOGGERS
	20:30 - 22:00	1.50	DRLPRO	12	A	P		HELD SAFETY MTNG W/ CASERS AND RIG CREW RIG UP SAME (PULL WEAR BUSHING)
	22:00 - 0:00	2.00	DRLPRO	12	C	P		P/U FLOAT SHOE,SHOE JOINT, FLOAT COLLAR,RUN 4 1/2 PROD CSNG 12-JOINTS TOTAL OF P-110 = 508' AND 81 JOINTS OF 1-80 AT REPORT TIME
3/19/2009	0:00 - 2:30	2.50	DRLPRO	12	C	P		FINISH RUNNING 4 1/2 PROD CSNG.RAN 233 TOTAL JOINTS OF PIPE, 12 JOINTS P-11O - 508' & 221 JOINTS I - 80 - 9295'- SHOE @ 9802 - FLOAT COLLAR @ 9760'
	3:00 - 5:30	2.50	DRLPRO	12	A	P		P/U LANDING JOINT AND BJ CMNT HEAD TO CIRC F/ CMNT, WOULD NOT CIRC, WORK TIGHT HOLE AND ESTABLISH CIRC,
	5:00 - 6:30	1.50	DRLPRO	05	A	P		CIRC, F/ CMNT , RIG DOWN CSERS

US ROCKIES REGION

Operation Summary Report

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Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:30 - 9:30	3.00	DRLPRO	12	E	P		HELD SAFETY MTNG W/ BJ AND RIG CREW, RIG UP ANDCMNT 4 1/2 CSNG- PRESS TEST LINES TO 5000 PSI, 20 BBLLS MUD CLEAN-20 BLLS FRESH WATER- LEAD CMNT = 440SX-PL2+10%GEL+3%KCL+5#KOL+0.5%SMS+0.25#CF -11.3#-3.06 YLD- TAIL CMNT- 1240 BBLS 50/50 POS+10%NaCL+0.2%R-3+0.05#SF+0.002FP-6L-14.3#-1.31 YLD, FINAL CIIRC PRESS-2664 PSI, PRESS TO BUMP PLUG - 3216 PSI - 552 PSI OVER- BUMP PLUG, FLOATS NOT HOLDING, SHUT IN HEAD AND HOLD PRESS.
	9:30 - 0:00	14.50	DRLPRO	13	A	X		WAIT ON CMNT, CHECK F/ FLOW BACK, RDRT,WOC
3/20/2009	0:00 - 4:00	4.00	DRLPRO	13	A	X		WOC. CHECK FLOW BACK NO FLOW
	4:00 - 6:00	2.00	DRLPRO	14	A	P		NIPPLE DOWN BOPE, RELEASE RIG @ 06:00 - 03/20/2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 11/12/2009		End Date:
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/6/2009	-							
11/12/2009	6:30 - 7:00	0.50	COMP	48		P		HSM, ROADING RIG AND EQUIP, AND RIGGING UP.
	7:00 - 9:00	2.00	COMP	30	A	P		MIRU F/ NBU 1022-1CT.
	9:00 - 17:00	8.00	COMP	31	I	P		ND WH NU BOPS, TEST BOPS TO 3,000# OK. RU FLOOR & TBG EQUIP. PU 37/8 BIT AND SUB & 200 JTS 23/8 L-80 TBG TO 6336'. POOH W/ 100 STDS IN DERICK, L/D BIT.HAD TO PULL SLOW DUE TO HIGH WINDS. ND BOPS NU FRAC VALVES, SWI SDFN.
11/13/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ WIRE LINE, AND TEST TRUCK.
	7:30 - 8:00	0.50	COMP	33	C	P		RU B&C QUICK TEST, TEST CSG TO 7,000# OK, RD B&C.
	8:00 - 15:00	7.00	COMP	37	B	P		(STG 1) PU 31/8" EXP GUNS, 23 GRM, .36" HLS, 120 DEG PHASING, PERF 9598'-9602' 3 SPF 12 HLS. 9486'-9488' 3 SPF 6 HLS. 9366'-9368 3 SPF 6 HLS. 9330'-9334' 3 SPF 12 HLS. POOH SWI, PREP TO FRAC 11/16/09
11/16/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:30 - 7:45	0.25	COMP	36	B	P		STG 1) WHP 1,830 PSI, BRK 3,930 PSI @ 5.3 BPM, ISIP 2,980 PSI, FG .74. PUMP 100 BBLS @ 50.2 BPM @ 6,100 PSI = 84% HOLES OPEN. MP 6,488 PSI, MR 51.6 BPM, AP 5,319 PSI, AR 41.3 BPM, ISIP 3,078 PSI, FG .76, NPI 98 PSI. PMPD 1,060 BBLS OF SW & 30,688 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 35,688 LBS.
	7:45 - 9:35	1.83	COMP	36	B	P		STG 2) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET 8K CBP @ 9,112' & PERF 9,076' - 82' 3SPF, 8,970 - 74' 3SPF, 8,912' - 16' 3SPF, 42 HOLES. WHP 1,301 PSI, BRK 2,704 PSI @ 5.3 BPM, ISIP 2,306 PSI, FG .69. PUMP 100 BBLS @ 51.5 BPM @ 5,250 PSI = 76% HOLES OPEN. MP 5,883 PSI, MR 51.6 BPM, AP 4,535 PSI, AR 48.2 BPM, ISIP 2,870 PSI, FG .75, NPI 564 PSI. PMPD 2,036 BBLS OF SW & 71,526 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 76,526 LBS.
	9:35 - 10:53	1.30	COMP	36	B	P		STG 3) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,804' & PERF 8,770' - 74' 3SPF, 8,660' - 62' 4SPF, 8,572' - 74' 4SPF, 8,522' - 24' 3SPF, 8,498' -00, 3SPF, 40 HOLES. WHP 1,297 PSI, BRK 2,949 PSI @ 5.3 BPM, ISIP 2,357 PSI, FG .70. PUMP 100 BBLS @ 51.0 BPM @ 4,300 PSI = 100% HOLES OPEN. MP 5,673 PSI, MR 51.8 BPM, AP 4,309 PSI, AR 40.8 BPM, ISIP 2,799 PSI, FG .75, NPI 442 PSI. PMPD 790 BBLS OF SW & 23,878 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 28,878 LBS.

US ROCKIES **REGION**

Operation Summary Report

Well: NBU 921-27HT		Spud Date: 2/11/2009	
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 11/12/2009		End Date:
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:53 - 12:45	1.87	COMP	36	B	P		STG 4) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,400' & PERF 8,366' - 70' 3SPF, 8,334' - 36' 4SPF, 8,256' - 58' 4SPF, 8,220' - 24' 3SPF, 40 HOLES. WHP 1,950 PSI, BRK 2,905 PSI @ 5.3 BPM, ISIP 2,444 PSI, FG .72. PUMP 100 BBLS @ 52.5 BPM @ 5,219 PSI = 81% HOLES OPEN. MP 5,983 PSI, MR 51.6 BPM, AP 4,589 PSI, AR 44.8 BPM, ISIP 2,910 PSI, FG .78, NPI 466 PSI. PMPD 735 BBLS OF SW & 22,760 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 27,760 LBS.
	12:45 - 14:40	1.92	COMP	36	B	P		STG 5) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,156' & PERF 8,122' - 26' 3SPF, 8,070' - 72' 3SPF, 8,012' - 14' 3SPF, 7,930' - 32' 4SPF, 7,894' - 96' 4SPF, 40 HOLES. WHP 1,036 PSI, BRK 3,155 PSI @ 5.3 BPM, ISIP 2,035 PSI, FG .68. PUMP 100 BBLS @ 51.5 BPM @ 4,810 PSI = 78% HOLES OPEN. MP 5,764 PSI, MR 51.7 BPM, AP 3,801 PSI, AR 42.8 BPM, ISIP 2,674 PSI, FG .76, NPI 639 PSI. PMPD 2,373 BBLS OF SW & 90,981 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 95,981 LBS.
	14:40 - 16:00	1.33	COMP	36	B	P		STG 6) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET 8K CBP @ 7,728' & PERF 7,694' - 98' 4SPF, 7,662' - 68' 4SPF, 40 HOLES. WHP 890 PSI, BRK 4,762 PSI @ 6.4 BPM, ISIP 2,127 PSI, FG .71. PUMP 100 BBLS @ 48.5 BPM @ 4,900 PSI = 71% HOLES OPEN. MP 5,676 PSI, MR 48.7 BPM, AP 4,350 PSI, AR 45 BPM, ISIP 2,719 PSI, FG .78, NPI 592 PSI. PMPD 1,407 BBLS OF SW & 57,476 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 62,476 LBS.
	16:00 - 18:00	2.00	COMP	34	I	P		KILL PLG) PU 4 1/2" HALLIBURTON CBP & RIK SET CBP @ 7,610'. RDMO CUTTERS & SCHLUMBERGER. SWI SDFN
11/17/2009	6:30 - 7:00	0.50	COMP	48		P		HSM. DRILLING UNDER PRESSURE

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT		Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 11/12/2009	End Date:
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 7:00	0.00	COMP	44	C	P		SICP 0 PSI, ND FRAC VALVES NU BOP. PU 3 7/8" BIT & POBS. RIH TO 7,570'. RU POWER SWIVEL & BRK CIRCULATION. RIH C/O 10' OF SAND TAG PLG 1 @ 7,610' DRL PLG IN 10 MIN. 800 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 2 @ 7,728' DRL PLG IN 5 MIN. 800 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 3 @ 8,156' DRL PLG IN 7 MIN. 300 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 4 @ 8,400' DRL PLG IN 7 MIN. 900 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 5 @ 8,804' DRL PLG IN 6 MIN. 500 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 6 @ 9,112' DRL PLG IN 8 MIN. 400 PSI INCREASE. RIH C/O TO PBTD @ 9,755'. CIRC WELL CLEAN. POOH LD 28 JTS OF 2 3/8" L-80 TBG ON TRAILER. LAND TBG W/ 280 JTS OF 2 3/8" 4.7# L-80 TBG. EOT @ 8,871.58'. ND BOP NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 2,220 PSI. TURN WELL OVER TO FLOW TESTERS. 315 JTS OUT BOUND 280 JTS LANDED 35 JTS RETURNED
11/18/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1975#, TP 1950#, 20/64" CK, 65 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 2660 BBLS LEFT TO RECOVER: 5741
11/19/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2325#, TP 2075#, 20/64" CK, 40 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3840 BBLS LEFT TO RECOVER: 4561
	10:20 -		PROD	50				WELL TURNED TO SALE @ 1020 HR ON 11/19/09 - FTP 2100#, CP 2500#, 1.8 MCFD, 40 BWPD, 20/64 CK
11/20/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2900#, TP 1975#, 20/64" CK, 30 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 4630 BBLS LEFT TO RECOVER: 3771
11/21/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2850#, TP 2050#, 16/64" CK, 18 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5113 BBLS LEFT TO RECOVER: 3288
	7:00 -			33	A			7 AM FLBK REPORT: CP 2825#, TP2050#, 16/64" CK, 18 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5167 BBLS LEFT TO RECOVER: 3234

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

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1194A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

7. UNIT or CA AGREEMENT NAME: UNIT # 891008900A

b. TYPE OF WORK: NEW WELL ☑ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER

8. WELL NAME and NUMBER: NBU 921-27HT

2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP

9. API NUMBER: 4304740173

3. ADDRESS OF OPERATOR: P.O. BOX 173779 CITY DENVER STATE CO ZIP 80217

PHONE NUMBER: (720) 929-6100

10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SENE 2059 FNL & 593 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: 1913 FNL 0518 FEL NENE S-27 T09S R 21E

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S 21E

12. COUNTY: UINTAH

13. STATE: UTAH

14. DATE SPUDDED: 2/11/2009

15. DATE T.D. REACHED: 3/18/2009

16. DATE COMPLETED: 11/19/2009 ABANDONED ☐ READY TO PRODUCE ☑

17. ELEVATIONS (DF, RKB, RT, GL): 4920' GL

18. TOTAL DEPTH: MD 9,808 TVD 9,808 9807

19. PLUG BACK T.D.: MD 9,756 TVD 9755

20. IF MULTIPLE COMPLETIONS, HOW MANY? *

21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
GR/CBL-HDIL/ZDL/CN

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☑ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,440		625			
7 7/8"	4 1/2 I-80	11.6#		9,799		1680			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,871							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,662	9,602		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,662 9,602	0.36	238	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7,662-9,602	PMP 8,401 BBLS SLICK H20 & 327,309 LBS 30/50 SD.

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29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000)

(CONTINUED ON BACK)

31. INITIAL PRODUCTION — **INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
11/19/2009	11/23/2009	24		0	2,200	480	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
18/64	607	2,425					0	2,200	480	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. 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.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,475				
MAHOGANY	2,287				
WASATCH	4,821	7,655			
MESAVERDE	7,890	9,768			

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35. ADDITIONAL REMARKS (Include plugging procedure)

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

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) ANDY LYTLE TITLE REGULATORY ANALYST

SIGNATURE DATE 12/21/2009

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

Scientific Drilling
Rocky Mountain Operations

END OF WELL REPORT

Prepared For:

Kerr McGee Oil & Gas Onshore LP
NBU 921-27HT
Pioneer 69
Uintah County, UT

Prepared By:

Julie Cruse, Rockies Region Engineer
Scientific Drilling
Rocky Mountain Region

Scientific Drilling International
7237 W. Barton Rd., Casper, WY 82604
P.O. Box 1600, Mills, WY 82644
(307) 472-6621
julie.cruse@scientificdrilling.com

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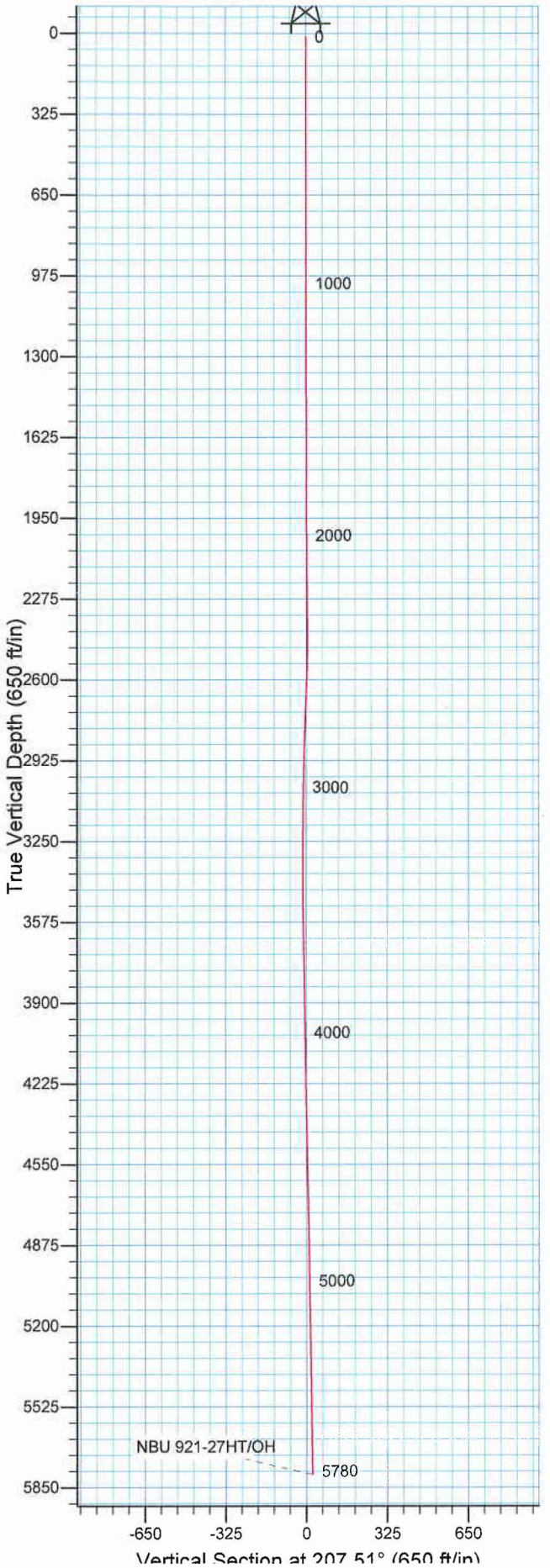
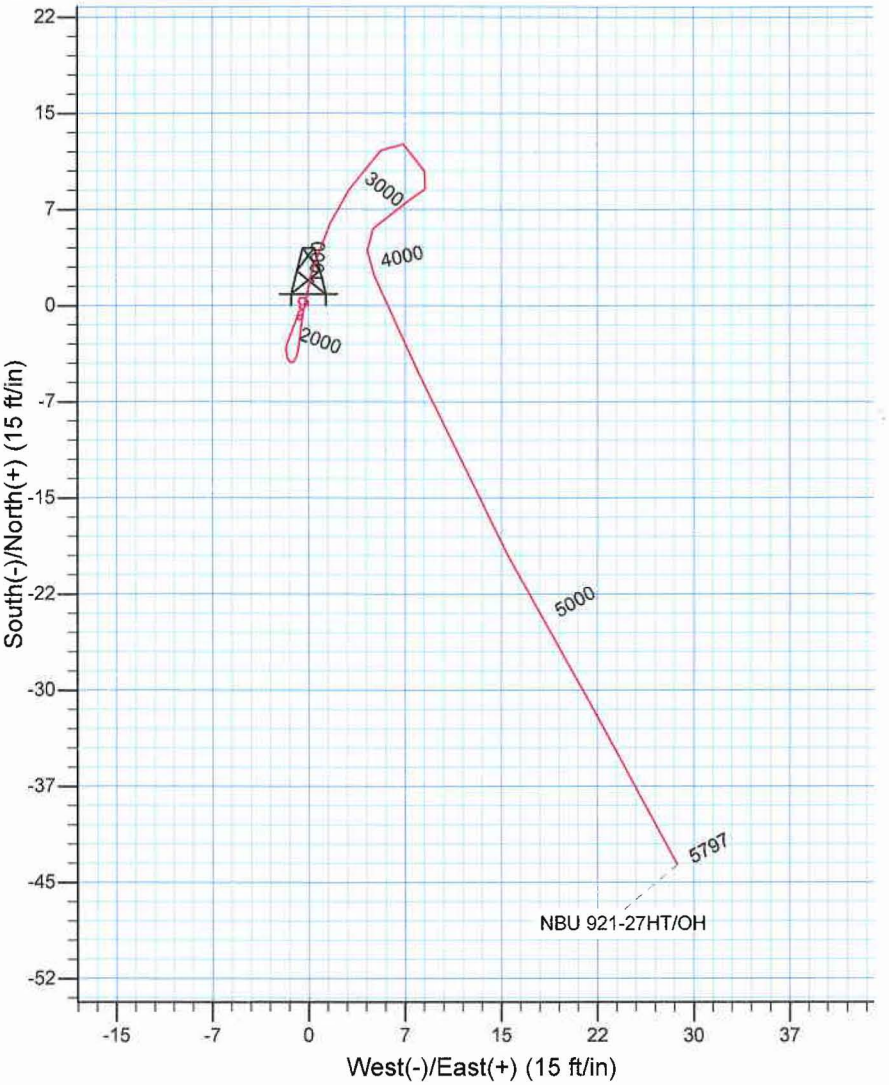
Rocky Mountain Operations

Project: Uintah County, UT NAD27
Site: NBU 921-27HT
Well: NBU 921-27HT
Wellbore: OH
Design: OH

Kerr McGee Oil and Gas Onshore LI





WELL DETAILS: NBU 921-27HT

Ground Level: GL 4920' & RKB 18' @ 4938.00ft (Pioneer 69)

Northing	Easting	Latitude	Longitude
616286.93	2551818.80	40° 0' 31.260 N	109° 31' 47.410 W

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REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well NBU 921-27HT, True North
Vertical (TVD) Reference: GL 4920' & RKB 18' @ 4938.00ft (Pioneer 69
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 4920' & RKB 18' @ 4938.00ft (Pioneer 69
Calculation Method: Minimum Curvature
Local North: True
Location: Sec 27 T9S R21E

PROJECT DETAILS: Uintah County, UT NAD27

Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: Utah Central 4302

Design: OH (NBU 921-27HT/OH)

Created By: Julie Cruse Date: 2009-03-19

Scientific Drilling
Rocky Mountain Operations

Kerr McGee Oil and Gas Onshore LP

Uintah County, UT NAD27
NBU 921-27HT
NBU 921-27HT
OH

Design: OH

Standard Survey Report

19 March, 2009

Scientific Drilling
Rocky Mountain Operations

Scientific Drilling
Survey Report

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 921-27HT
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4920' & RKB 18' @ 4938.00ft (Pioneer 69)
Site:	NBU 921-27HT	**MD Reference:**	GL 4920' & RKB 18' @ 4938.00ft (Pioneer 69)
Well:	NBU 921-27HT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi User DB

Project	Uintah County, UT NAD27		
Map System:	US State Plane 1927 (Exact solution)	**System Datum:**	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	Utah Central 4302		

Site	NBU 921-27HT, Sec 27 T9S R21E				
Site Position:		**Northing:**	616,286.95 ft	**Latitude:**	40° 0' 31.260 N
From:	Lat/Long	**Easting:**	2,551,818.80 ft	**Longitude:**	109° 31' 47.410 W
Position Uncertainty:	0.00 ft	**Slot Radius:**	in	**Grid Convergence:**	1.26 °

Well	NBU 921-27HT					
Well Position	**+N/-S**	0.00 ft	**Northing:**	616,286.93 ft	**Latitude:**	40° 0' 31.260 N
	+E/-W	0.00 ft	**Easting:**	2,551,818.80 ft	**Longitude:**	109° 31' 47.410 W
Position Uncertainty		0.00 ft	**Wellhead Elevation:**	ft	**Ground Level:**	4,920.00 ft

Wellbore	OH				
Magnetics	**Model Name**	**Sample Date**	**Declination (°)**	**Dip Angle (°)**	**Field Strength (nT)**
	IGRF2005-10	2009/03/05	11.37	65.93	52,583

Design	OH				
Audit Notes:					
Version:	1.0	**Phase:**	ACTUAL	**Tie On Depth:**	18.00
Vertical Section:	**Depth From (TVD) (ft)**	**+N/-S (ft)**	**+E/-W (ft)**	**Direction (°)**	
	18.00	0.00	0.00	207.51	

Survey Program **Date** 2009/03/19

From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description
118.00	2,298.00	Survey #1 - Surface (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
2,397.00	2,650.00	Survey #2 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s
2,731.00	5,798.00	Survey #3 (OH)	MWD	MWD - Standard

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
18.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00
118.00	0.25	314.43	118.00	0.15	-0.16	-0.06	0.25	0.25	0.00
218.00	0.25	192.27	218.00	0.09	-0.36	0.08	0.44	0.00	-122.16
318.00	0.25	70.12	318.00	-0.05	-0.20	0.13	0.44	0.00	-122.15
418.00	0.25	346.96	418.00	0.24	-0.04	-0.19	0.33	0.00	-83.16
518.00	0.25	306.81	518.00	0.58	-0.27	-0.39	0.17	0.00	-40.15
618.00	0.25	241.66	618.00	0.61	-0.63	-0.25	0.27	0.00	-65.15
718.00	0.25	172.50	718.00	0.29	-0.80	0.11	0.28	0.00	-69.16
818.00	0.25	96.35	817.99	0.05	-0.55	0.21	0.31	0.00	-76.15
1,018.00	0.25	272.89	1,017.99	0.02	-0.55	0.23	0.25	0.00	88.27
1,118.00	0.25	160.81	1,117.99	-0.18	-0.70	0.48	0.41	0.00	-112.08

Scientific Drilling
Survey Report

Company:	Kerr McGee Oil and Gas Onshore LP	**Local Co-ordinate Reference:**	Well NBU 921-27HT
Project:	Uintah County, UT NAD27	**TVD Reference:**	GL 4920' & RKB 18' @ 4938.00ft (Pioneer 69)
Site:	NBU 921-27HT	**MD Reference:**	GL 4920' & RKB 18' @ 4938.00ft (Pioneer 69)
Well:	NBU 921-27HT	**North Reference:**	True
Wellbore:	OH	**Survey Calculation Method:**	Minimum Curvature
Design:	OH	**Database:**	EDM 2003.16 Multi User DB

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
1,218.00	0.25	71.66	1,217.99	-0.31	-0.42	0.47	0.35	0.00	-89.15
1,318.00	0.25	256.50	1,317.99	-0.30	-0.43	0.46	0.50	0.00	-175.16
1,418.00	0.25	215.35	1,417.99	-0.52	-0.76	0.81	0.18	0.00	-41.15
1,518.00	0.25	186.20	1,517.99	-0.92	-0.91	1.23	0.13	0.00	-29.15
1,618.00	0.25	96.04	1,617.99	-1.16	-0.72	1.36	0.35	0.00	-90.16
1,718.00	0.25	18.89	1,717.99	-0.98	-0.43	1.06	0.31	0.00	-77.15
1,818.00	0.25	288.76	1,817.99	-0.70	-0.57	0.88	0.35	0.00	-90.13
1,918.00	0.50	199.65	1,917.99	-1.04	-0.92	1.34	0.56	0.25	-89.11
2,218.00	0.25	204.34	2,217.98	-2.87	-1.63	3.29	0.08	-0.08	1.56
2,298.00	0.50	188.13	2,297.98	-3.37	-1.75	3.80	0.34	0.31	-20.26
2,397.00	0.44	152.31	2,396.98	-4.14	-1.64	4.42	0.30	-0.06	-36.18
First SDI Gyro Survey									
2,429.00	0.35	142.03	2,428.98	-4.32	-1.52	4.53	0.36	-0.28	-32.12
2,460.00	0.35	108.90	2,459.97	-4.43	-1.37	4.56	0.64	0.00	-106.87
2,492.00	0.44	59.06	2,491.97	-4.40	-1.18	4.44	1.07	0.28	-155.75
2,524.00	0.79	22.94	2,523.97	-4.13	-0.98	4.11	1.58	1.09	-112.87
2,555.00	1.50	10.99	2,554.97	-3.54	-0.82	3.51	2.40	2.29	-38.55
2,650.00	2.20	5.80	2,649.92	-0.50	-0.40	0.63	0.76	0.74	-5.46
Last Gyro Survey									
2,731.00	2.54	17.36	2,730.85	2.76	0.29	-2.59	0.72	0.42	14.27
First MWD Survey									
2,921.00	1.68	36.40	2,920.72	9.02	3.20	-9.48	0.58	-0.45	10.02
3,110.00	0.71	43.52	3,109.68	12.10	5.65	-13.34	0.52	-0.51	3.77
3,300.00	0.62	112.17	3,299.67	12.56	7.41	-14.57	0.40	-0.05	36.13
3,490.00	1.10	158.61	3,489.65	10.48	9.03	-13.47	0.43	0.25	24.44
3,679.00	1.17	251.62	3,678.62	8.18	7.86	-10.89	0.87	0.04	49.21
3,869.00	1.12	211.60	3,868.59	5.99	5.05	-7.64	0.41	-0.03	-21.06
4,058.00	1.44	153.63	4,057.55	2.29	5.13	-4.40	0.67	0.17	-30.67
4,343.00	1.97	156.91	4,342.42	-5.43	8.64	0.82	0.19	0.19	1.15
4,817.00	1.78	150.78	4,816.17	-19.35	15.43	10.03	0.06	-0.04	-1.29
5,292.00	1.52	150.90	5,290.97	-31.29	22.10	17.54	0.05	-0.05	0.03
5,798.00	1.65	152.54	5,796.77	-43.62	28.72	25.42	0.03	0.03	0.32
Last SDI Survey									

Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
NBU 921-27HT PBHL	0.00	0.00	9,880.00	0.00	0.00	616,286.93	2,551,818.80	40° 0' 31.260 N	109° 31' 47.410 W
- actual wellpath misses target center by 4083.56ft at 5798.00ft MD (5796.77 TVD, -43.62 N, 28.72 E)									
- Circle (radius 25.00)									

Checked By: _____ Approved By: _____ Date: _____

Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	Report Time:	2400	1 of 6
COMPANY:	Kerr McGee Oil and Gas Onshore LP	API JOB #		
LOCATION:		WORK ORDER#	136285	
RIG NAME:	Pioneer 69	FIELD:	Natural Buttes Unit	
STATE:	Utah	Township:	Sec 27 T9A R21E	
COUNTY:	Uintah	SECT\RANGE:		Rocky Mountain
WELL NAME:	NBU 921-27HT			

From Tuesday, March 10, 2009 at 0000 to Tuesday, March 10, 2009 at 2400

DRILLING SUMMARY

Start Depth	0.00	Rotary Hours	0.00	WOB	0	Pick UP	0	Slack Off	0	SPM	
End Depth	0.00	Circulating Hours	0.00	RAB	0	SPP	0	FlowRate	0 - 0	0	
Total Drilled:	0.00	Avg. Total ROP:	NA								
Total Rotary Drilled:	0.00	Avg. Rotary ROP:	NA								
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA								
Slide Hours:	0.00	Percent Rotary:	NA								
Below Rotary Hrs.	4.50	Percent Slide:	NA								

Drilling Parameters

Mud Data

Type	Water			PV	0	SOLID	0		
Weight	0	GAS	0	YP	0	BHT°	0		
Viscosity	0	SAND	0	PH	0	Flow T°	0		
Chlorides	0	WL	0			Oil %	0		

PERSONNEL

Lead Directional :	Derrick Wilson
Second Directional :	Chad Middleton
MWD Operator1	Peter Knepper
MWD Operator2	
Directional Company:	SDI
Geologist:	
Company Man:	Tim Heins

cASING

Size	Lb/ft	Set Depth

Signature:

BHA

BHA # 1:7 7/8 PDC (6X11), 6 1/2 HUNTING, PONY, NMDC, MPHOS, NMDC,

Incl. In:	0.5	Azm. In:	188.13	Incl. Out:	0.5	Azm. Out:	188.13

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
10-Mar-09	00:00	19:30	19.50	0	0	Standby	Standby
10-Mar-09	19:30	22:00	2.50	0	0	Change BHA	Change BHA
10-Mar-09	22:00	24:00	2.00	0	0	TIH	TIH

Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	Report Time:	2400	2 of 6
COMPANY:	Kerr McGee Oil and Gas Onshore LP	API JOB #		
LOCATION:		WORK ORDER#	136285	
RIG NAME:	Pioneer 69	FIELD:	Natural Buttes Unit	
STATE:	Utah	Township:	Sec 27 T9A R21E	
COUNTY:	Uintah	SECT\RANGE:		Rocky Mountain
WELL NAME:	NBU 921-27HT			

From Wednesday, March 11, 2009 at 0000 to Wednesday, March 11, 2009 at 2400

DRILLING SUMMARY

Start Depth	2333.00	Rotary Hours	10.83	WOB	10	Pick UP	60	Slack Off	60	SPM	
End Depth	3393.00	Circulating Hours	0.00	RAB	60	SPP	900	FlowRate	0 - 415	115	
Total Drilled:	1060.00	Avg. Total ROP:	89.58								
Total Rotary Drilled:	1000.00	Avg. Rotary ROP:	92.31	Type	Water			PV	0	SOLID	0
Total Drilled Sliding:	60.00	Avg. Slide ROP:	60.00	Weight	0	GAS	0	YP	0	BHT°	0
Slide Hours:	1.00	Percent Rotary:	94.34	Viscosity	0	SAND	0	PH	0	Flow T°	0
Below Rotary Hrs.	24.00	Percent Slide:	5.66	Chlorides	0	WL	0			Oil %	0

Drilling Parameters

Mud Data

PERSONNEL

Lead Directional :	Derrick Wilson
Second Directional :	Chad Middleton
MWD Operator1	Peter Knepper
MWD Operator2	
Directional Company:	SDI
Geologist:	
Company Man:	Tim Heins

cASING

Size	Lb/ft	Set Depth

Signature:

BHA

BHA # 1:7 7/8 PDC (6X11), 6 1/2 HUNTING, PONY, NMDC, MPHOS, NMDC,

Incl. In:	0.5	Azm. In:	188.13	Incl. Out:	0.62	Azm. Out:	112.17

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DIV. OF OIL, GAS & MINING

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
11-Mar-09	00:00	02:00	2.00	1300	2333	TIH	TIH
11-Mar-09	02:00	02:35	0.58	2333	2333	Rig repair	Rig repair
11-Mar-09	02:35	05:00	2.42	2333	2422	Drilling	Drill cement and shoe
11-Mar-09	05:00	07:15	2.25	2422	2422	POOH	POOH
11-Mar-09	07:15	09:00	1.75	2422	2422	Other	Work on MWD tool
11-Mar-09	09:00	10:40	1.67	2422	2422	TIH	TIH
11-Mar-09	10:40	11:20	0.67	2422	2422	Survey & Conn.	Survey & Conn.
11-Mar-09	11:20	11:45	0.42	2422	2476	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	11:45	12:30	0.75	2476	2476	Survey & Conn.	Survey & Conn.
11-Mar-09	12:30	12:35	0.08	2476	2483	Sliding	Sliding
11-Mar-09	12:35	12:50	0.25	2483	2509	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	12:50	13:10	0.33	2509	2509	Survey & Conn.	Survey & Conn.
11-Mar-09	13:10	13:15	0.08	2509	2516	Sliding	Sliding - (WOB:10;GPM :415;TFO:0)
11-Mar-09	13:15	13:35	0.33	2516	2540	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	13:35	14:05	0.50	2540	2540	Rig repair	Rig repair
11-Mar-09	14:05	14:10	0.08	2540	2540	Survey & Conn.	Survey & Conn.
11-Mar-09	14:10	14:20	0.17	2540	2550	Sliding	Sliding - (WOB:10;GPM :415;TFO:0)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
11-Mar-09	14:20	14:50	0.50	2550	2576	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	14:50	15:05	0.25	2576	2576	Survey & Conn.	Survey & Conn.
11-Mar-09	15:05	15:10	0.08	2576	2584	Sliding	Sliding - (WOB:10;GPM :415;TFO:0)
11-Mar-09	15:10	15:20	0.17	2584	2610	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	15:20	15:35	0.25	2610	2610	Survey & Conn.	Survey & Conn.
11-Mar-09	15:35	15:45	0.17	2610	2618	Sliding	Sliding - (WOB:10;GPM :415;TFO:0)
11-Mar-09	15:45	16:40	0.92	2618	2698	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	16:40	17:10	0.50	2698	2698	Survey & Conn.	Survey & Conn.
11-Mar-09	17:10	17:25	0.25	2698	2710	Sliding	Sliding - (WOB:10;GPM :415;TFO:0)
11-Mar-09	17:25	18:20	0.92	2710	2792	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	18:20	18:25	0.08	2792	2792	Survey & Conn.	Survey & Conn.
11-Mar-09	18:25	18:35	0.17	2792	2800	Sliding	Sliding - (WOB:10;GPM :415;TFO:0)
11-Mar-09	18:35	20:10	1.58	2800	2982	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	20:10	20:20	0.17	2982	2982	Survey & Conn.	Survey & Conn.
11-Mar-09	20:20	21:50	1.50	2982	3171	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	21:50	22:00	0.17	3171	3171	Survey & Conn.	Survey & Conn.
11-Mar-09	22:00	23:30	1.50	3171	3361	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
11-Mar-09	23:30	23:40	0.17	3361	3361	Survey & Conn.	Survey & Conn.
11-Mar-09	23:40	24:00	0.33	3361	3393	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)

Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	Report Time:	2400	3 of 6
COMPANY:	Kerr McGee Oil and Gas Onshore LP	API JOB #		
LOCATION:		WORK ORDER#	136285	
RIG NAME:	Pioneer 69	FIELD:	Natural Buttes Unit	
STATE:	Utah	Township:	Sec 27 T9A R21E	
COUNTY:	Uintah	SECT\RANGE:		Rocky Mountain
WELL NAME:	NBU 921-27HT			

From Thursday, March 12, 2009 at 0000 to Thursday, March 12, 2009 at 2400

DRILLING SUMMARY

Start Depth	3393.00	Rotary Hours	21.67	WOB	10	Pick UP	60	Slack Off	60	SPM	
End Depth	5900.00	Circulating Hours	0.00	RAB	60	SPP	900	FlowRate	415 - 415	115	
Total Drilled:	2507.00	Avg. Total ROP:	111.42								
Total Rotary Drilled:	2477.00	Avg. Rotary ROP:	114.32								
Total Drilled Sliding:	30.00	Avg. Slide ROP:	36.00								
Slide Hours:	0.83	Percent Rotary:	98.80								
Below Rotary Hrs.	24.00	Percent Slide:	1.20								

Drilling Parameters

Mud Data

Type	Water			PV	0	SOLID	0		
Weight	0	GAS	0	YP	0	BHT°	0		
Viscosity	0	SAND	0	PH	0	Flow T°	0		
Chlorides	0	WL	0			Oil %	0		

PERSONNEL

Lead Directional :	Derrick Wilson
Second Directional :	Chad Middleton
MWD Operator1	Peter Knepper
MWD Operator2	
Directional Company:	SDI
Geologist:	
Company Man:	Tim Heins

cASING

Size	Lb/ft	Set Depth

BHA

BHA # 1:7 7/8 PDC (6X11), 6 1/2 HUNTING, PONY, NMDC, MPHOS, NMDC,

Signature:

Incl. In:	0.62	Azm. In:	112.17	Incl. Out:	1.65	Azm. Out:	152.54

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GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
12-Mar-09	00:00	01:15	1.25	3393	3551	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
12-Mar-09	01:15	01:25	0.17	3551	3551	Survey & Conn.	Survey & Conn.
12-Mar-09	01:25	01:55	0.50	3551	3566	Sliding	Sliding - (WOB:10;GPM :415;TFO:0)
12-Mar-09	01:55	05:50	3.92	3566	3930	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
12-Mar-09	05:50	05:55	0.08	3930	3930	Survey & Conn.	Survey & Conn.
12-Mar-09	05:55	06:15	0.33	3930	3945	Sliding	Sliding - (WOB:10;GPM :415;TFO:-30)
12-Mar-09	06:15	07:40	1.42	3945	4119	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
12-Mar-09	07:40	07:50	0.17	4119	4119	Survey & Conn.	Survey & Conn.
12-Mar-09	07:50	09:35	1.75	4119	4404	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
12-Mar-09	09:35	09:45	0.17	4404	4404	Survey & Conn.	Survey & Conn.
12-Mar-09	09:45	13:30	3.75	4404	4878	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
12-Mar-09	13:30	13:40	0.17	4878	4878	Survey & Conn.	Survey & Conn.
12-Mar-09	13:40	15:00	1.33	4878	5068	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
12-Mar-09	15:00	15:20	0.33	5068	5068	Rig Service-Inhole	Rig Service-Inhole
12-Mar-09	15:20	17:55	2.58	5068	5353	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)
12-Mar-09	17:55	18:10	0.25	5353	5353	Survey & Conn.	Survey & Conn.
12-Mar-09	18:10	23:30	5.33	5353	5859	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
12-Mar-09	23:30	23:40	0.17	5859	5859	Survey & Conn.	Survey & Conn.
12-Mar-09	23:40	24:00	0.33	5859	5900	Drilling	Drilling - (WOB:10;GPM :415;RPM:45)

Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	Report Time:	2400	4 of 6
COMPANY:	Kerr McGee Oil and Gas Onshore LP	API JOB #		
LOCATION:		WORK ORDER#	136285	
RIG NAME:	Pioneer 69	FIELD:	Natural Buttes Unit	
STATE:	Utah	Township:	Sec 27 T9A R21E	
COUNTY:	Uintah	SECT\RANGE:		Rocky Mountain
WELL NAME:	NBU 921-27HT			

From Friday, March 13, 2009 at 0000 to Friday, March 13, 2009 at 2400

DRILLING SUMMARY

Start Depth	5900.00	Rotary Hours	24.00
End Depth	7384.00	Circulating Hours	0.00
Total Drilled:	1484.00	Avg. Total ROP:	61.83
Total Rotary Drilled:	1484.00	Avg. Rotary ROP:	61.83
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA
Slide Hours:	0.00	Percent Rotary:	100.00
Below Rotary Hrs.	24.00	Percent Slide:	.00

Drilling Parameters

WOB	10	Pick UP	60	Slack Off	60	SPM			
RAB	60	SPP	900	FlowRate	415 - 415	115			

Mud Data

Type	Water			PV	0	SOLID	0
Weight	0	GAS	0	YP	0	BHT°	0
Viscosity	0	SAND	0	PH	0	Flow T°	0
Chlorides	0	WL	0			Oil %	0

PERSONNEL

Lead Directional :	Derrick Wilson
Second Directional :	Chad Middleton
MWD Operator1	Peter Knepper
MWD Operator2	Jared Hone
Directional Company:	SDI
Geologist:	
Company Man:	Tim Heins

cASING

Size	Lb/ft	Set Depth

Signature:

BHA

BHA # 1:7 7/8 PDC (6X11), 6 1/2 HUNTING, PONY, NMDC, MPHOS, NMDC,

Incl. In:	1.65	Azm. In:	152.54	Incl. Out:	1.65	Azm. Out:	152.54

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
13-Mar-09	00:00	24:00	24.00	5900	7384	Drilling	Drilling -Tool standby

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Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	Report Time:	2400	5 of 6
COMPANY:	Kerr McGee Oil and Gas Onshore LP	API JOB #		
LOCATION:		WORK ORDER#	136285	
RIG NAME:	Pioneer 69	FIELD:	Natural Buttes Unit	
STATE:	Utah	Township:	Sec 27 T9A R21E	
COUNTY:	Uintah	SECT\RANGE:		Rocky Mountain
WELL NAME:	NBU 921-27HT			

From Saturday, March 14, 2009 at 0000 to Saturday, March 14, 2009 at 2400

DRILLING SUMMARY

Start Depth	7384.00	Rotary Hours	24.00
End Depth	8326.00	Circulating Hours	0.00
Total Drilled:	942.00	Avg. Total ROP:	39.25
Total Rotary Drilled:	942.00	Avg. Rotary ROP:	39.25
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA
Slide Hours:	0.00	Percent Rotary:	100.00
Below Rotary Hrs.	24.00	Percent Slide:	.00

Drilling Parameters

WOB	10	Pick UP	60	Slack Off	60	SPM	
RAB	60	SPP	900	FlowRate	415 - 415		115

Mud Data

Type	Water			PV	0	SOLID	0
Weight	0	GAS	0	YP	0	BHT°	0
Viscosity	0	SAND	0	PH	0	Flow T°	0
Chlorides	0	WL	0			Oil %	0

PERSONNEL

Lead Directional :	Derrick Wilson
Second Directional :	Chad Middleton
MWD Operator1	Peter Knepper
MWD Operator2	Jared Hone
Directional Company:	SDI
Geologist:	
Company Man:	Tim Heins

cASING

Size	Lb/ft	Set Depth

Signature:

BHA

BHA # 1:7 7/8 PDC (6X11), 6 1/2 HUNTING, PONY, NMDC, MPHOS, NMDC,

Incl. In:	1.65	Azm. In:	152.54	Incl. Out:	1.65	Azm. Out:	152.54

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
14-Mar-09	00:00	24:00	24.00	7384	8326	Drilling	Drilling -Tool standby

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Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	Report Time:	2400	6 of 6
COMPANY:	Kerr McGee Oil and Gas Onshore LP	API JOB #		
LOCATION:		WORK ORDER#	136285	
RIG NAME:	Pioneer 69	FIELD:	Natural Buttes Unit	
STATE:	Utah	Township:	Sec 27 T9A R21E	
COUNTY:	Uintah	SECT\RANGE:		Rocky Mountain
WELL NAME:	NBU 921-27HT			

From Sunday, March 15, 2009 at 0000 to Sunday, March 15, 2009 at 2400

DRILLING SUMMARY

Start Depth	8326.00	Rotary Hours	3.00
End Depth	8376.00	Circulating Hours	1.00
Total Drilled:	50.00	Avg. Total ROP:	16.67
Total Rotary Drilled:	50.00	Avg. Rotary ROP:	16.67
Total Drilled Sliding:	0.00	Avg. Slide ROP:	NA
Slide Hours:	0.00	Percent Rotary:	100.00
Below Rotary Hrs.	9.00	Percent Slide:	.00

Drilling Parameters

WOB	10	Pick UP	60	Slack Off	60	SPM	
RAB	60	SPP	900	FlowRate	415 - 415		115

Mud Data

Type	Water			PV	0	SOLID	0
Weight	0	GAS	0	YP	0	BHT°	0
Viscosity	0	SAND	0	PH	0	Flow T°	0
Chlorides	0	WL	0			Oil %	0

PERSONNEL

Lead Directional :	Derrick Wilson
Second Directional :	Chad Middleton
MWD Operator1	Peter Knepper
MWD Operator2	Jared Hone
Directional Company:	SDI
Geologist:	
Company Man:	Tim Heins

cASING

Size	Lb/ft	Set Depth

Signature:

BHA

BHA # 1:7 7/8 PDC (6X11), 6 1/2 HUNTING, PONY, NMDC, MPHOS, NMDC,

Incl. In:	1.65	Azm. In:	152.54	Incl. Out:	1.65	Azm. Out:	152.54

GENERAL COMMENT

Date	Start Time	End Time	Hours	Start Depth	End Depth	Activity Code	COMMENT
15-Mar-09	00:00	03:00	3.00	8326	8376	Drilling	Drilling -Tool standby
15-Mar-09	03:00	04:00	1.00	8376	8376	Circulating	Circulating
15-Mar-09	04:00	09:00	5.00	8376	8376	POOH	POOH
15-Mar-09	09:00	10:00	1.00	8376	8376	L/D DP	L/D Directional Tools
15-Mar-09	10:00	24:00	14.00	8376	8376	Standby	Standby

BHA # 1

Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115 **Work Order:** 136285	**FIELD:**	Natural Buttes Unit
COMPANY:	Kerr McGee Oil and Gas Onshore LP	**Township:**	Sec 27 T9A R21E
LOCATION:		**SECT. RANGE:**	Rocky Mountain
RIG NAME:	Pioneer 69	**Lead DD:**	Derrick Wilson
STATE:	Utah	**Co. Man:**	Tim Heins
COUNTY:	Uintah	**BHA TYPE:**	Steerable Assembly
WELL NAME:	NBU 921-27HT	**BHA WT:** 9248	**Wt @ Jars:** N/A

Time and Depths

Date In:	10-Mar-09 @ 19:30
Date Out:	15-Mar-09 @ 10:00
Hrs In Hole:	109.50
Start Depth:	2333.00
End Depth:	8376.00
Total Drilled:	6043.00
Avg. Total ROP:	70.82
Circ Hrs: Tot/Only	86.33 / 1.00
Percent Slide:	1.49
Percent Hrs:	2.15
Slide Hours:	1.83
Total Sliding:	90.00
Avg. Slide ROP:	49.09
Percent Rotary:	98.51
Percent Hrs:	97.85
Rotary Hours:	83.50
Total Rotary:	5953.00
Avg. Rotary ROP:	71.29
Reason POOH:	PR

MOTOR DATA

6 1/2 Hunting

MFG.:	hunting
Pad OD:	6 3/4
NB Stab:	0
Bit to Bend:	6
Bent Hsg/Sub°:	1.5 /
Lobe/Stage:	7:8 / 3
Rev/GAL:	0.22
Rotor Jet:	0
Prop BUR:	
Act BUR:	

Mud Data

Type Water

WT:	0	**GAS:**	0
Vis:	0	**PV:**	0
WL:	0	**PH:**	0
SOL:	0	**SAND:**	0
Oil %:	0	**T °:**	0
Chlor:	0	**YP:**	0

Drilling Parameters

SO/PU:	60 - 60 / 60-60
Rot Strg Wt:	60-60
WOB:	10 - 10
TORQ:	0 - 0
SPP:	900 - 900
Motor RPM:	91
Rotary RPM:	45 - 45
Flow Rate:	415 - 415
Avg Diff:	
Stall Pres.:	
Off Bot Pres.:	

Bit Record

OTHER / 7 7/8 PDC (6X11)

Run #:	1
Type Bit:	PDC
IADC#:	**TFA:** 0.777
JETS:	6-13
Bit Drop:	0 PSI @ 415 GPM
Cond.:	Hailed

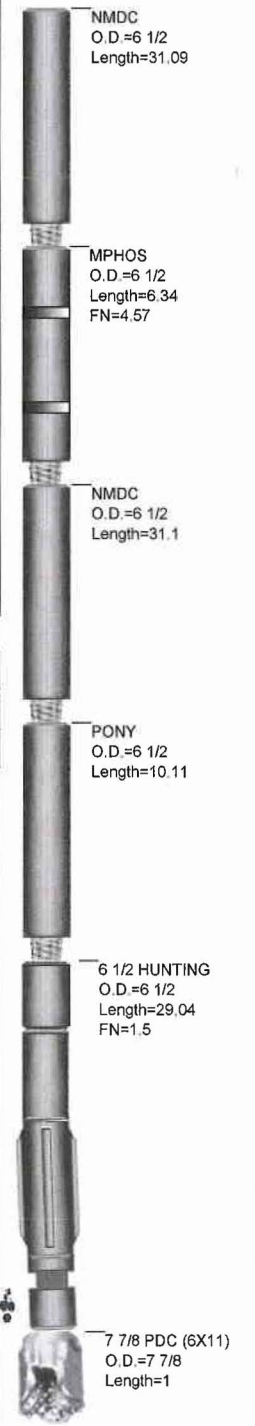
MWD Spacing — **Gamma:** 0 **Restiv:** 0 **Sensor:** 61 **GYRO:** 47 **DNSC:** 0 **Sonic:** 0

Last Casing O.D.:
Shoe @: **Hanger @:**

INC IN: .0 **INC OUT:** .0 **AZM IN:** .00 **AZM OUT:** .00

BHA Detail

Description	Serial #	I.D.	O.D.	Length	Sum	Top Conn	MFG.
7 7/8 PDC (6X11)	7124366		7 7/8	1.00	1.00	(NONE)P	
6 1/2 HUNTING	6316		6 1/2	29.04	30.04	4 1/2 XHB	
PONY	125-087	3 1/2	6 1/2	10.11	40.15	4 1/2 XHB	
NMDC	122-316	3 1/2	6 1/2	31.10	71.25	4 1/2 XHB	
MPHOS	129-109	3 1/4	6 1/2	6.34	77.59	4 1/2 XHB	
NMDC	67-253	2 7/8	6 1/2	31.09	108.68	4 1/2 XHB	



Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	**FIELD:**	Natural Buttes Unit
COMPANY:	Kerr McGee Oil and Gas Onshore LP	**Township:**	Sec 27 T9A R21E
LOCATION:		**Range**	Rocky Mountain
RIG NAME:	Pioneer 69		
STATE:	Utah		
COUNTY:	Country		
WELL NAME:	NBU 921-27HT		

MOTOR INFORMATION

Desc: 6 1/2 Hunting
Bent Hsg/Sub: 1.5 / 0 **Bit to Bend: 6**
Pad OD: 6 3/4 **NB Stab:**

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	11-Mar	Drilling	02:35	05:00	2.42	2333	2422	89	10	36.8	45	0	415	900		0.37	144.28	0.36	
1	11-Mar	Drilling	11:20	11:45	0.42	2422	2476	54	10	129.6	45	0	415	900		0.40	83.98	1.07	
1	11-Mar	Sliding	12:30	12:35	0.08	2476	2483	7	10	84.0	0	0	415	900		0.41	73.08	1.07	
1	11-Mar	Drilling	12:35	12:50	0.25	2483	2509	26	10	104.0	45	0	415	900		0.63	39.87	1.58	
1	11-Mar	Sliding	13:10	13:15	0.08	2509	2516	7	10	84.0	0	0	415	900		0.70	31.97	1.58	
1	11-Mar	Drilling	13:15	13:35	0.33	2516	2540	24	10	72.0	45	0	415	900		1.16	16.77	2.40	
1	11-Mar	Sliding	14:10	14:20	0.17	2540	2550	10	10	60.0	0	0	415	900		1.39	12.92	2.40	
1	11-Mar	Drilling	14:20	14:50	0.50	2550	2576	26	10	52.0	45	0	415	900		1.65	9.84	0.76	
1	11-Mar	Sliding	15:05	15:10	0.08	2576	2584	8	10	96.0	0	0	415	900		1.71	9.41	0.76	
1	11-Mar	Drilling	15:10	15:20	0.17	2584	2610	26	10	156.0	45	0	415	900		1.91	7.99	0.76	
1	11-Mar	Sliding	15:35	15:45	0.17	2610	2618	8	10	48.0	0	0	415	900		1.96	7.55	0.76	
1	11-Mar	Drilling	15:45	16:40	0.92	2618	2698	80	10	87.3	45	0	415	900		2.40	12.65	0.72	
1	11-Mar	Sliding	17:10	17:25	0.25	2698	2710	12	10	48.0	0	0	415	900		2.45	14.36	0.72	
1	11-Mar	Drilling	17:25	18:20	0.92	2710	2792	82	10	89.5	45	0	415	900		2.26	23.47	0.58	
1	11-Mar	Sliding	18:25	18:35	0.17	2792	2800	8	10	48.0	0	0	415	900		2.23	24.27	0.58	
1	11-Mar	Drilling	18:35	20:10	1.58	2800	2982	182	10	114.9	45	0	415	900		1.37	38.70	0.52	
1	11-Mar	Drilling	20:20	21:50	1.50	2982	3171	189	10	126.0	45	0	415	900		0.68	65.56	0.40	
1	11-Mar	Drilling	22:00	23:30	1.50	3171	3361	190	10	126.7	45	0	415	900		0.77	127.08	0.43	
1	11-Mar	Drilling	23:40	24:00	0.33	3361	3393	32	10	96.0	45	0	415	900		0.85	134.90	0.43	
1	12-Mar	Drilling	00:00	01:15	1.25	3393	3551	158	10	126.4	45	0	415	900		1.12	72.44	0.87	
1	12-Mar	Sliding	01:25	01:55	0.50	3551	3566	15	10	30.0	0	0	415	900	-30	1.13	51.25	0.87	
1	12-Mar	Drilling	01:55	05:50	3.92	3566	3930	364	10	92.9	45	0	415	900		1.22	309.08	0.67	
1	12-Mar	Sliding	05:55	06:15	0.33	3930	3945	15	10	45.0	0	0	415	900	-30	1.25	333.05	0.67	
1	12-Mar	Drilling	06:15	07:40	1.42	3945	4119	174	10	122.8	45	0	415	900		1.55	154.33	0.19	
1	12-Mar	Drilling	07:50	09:35	1.75	4119	4404	285	10	162.9	45	0	415	900		1.95	156.12	0.06	
1	12-Mar	Drilling	09:45	13:30	3.75	4404	4878	474	10	126.4	45	0	415	900		1.75	150.80	0.05	
1	12-Mar	Drilling	13:40	15:00	1.33	4878	5068	190	10	142.5	45	0	415	900		1.64	150.84	0.05	

Slide Report for BHA # 1

Note: Surveys listed are interpolated from the actual surveys

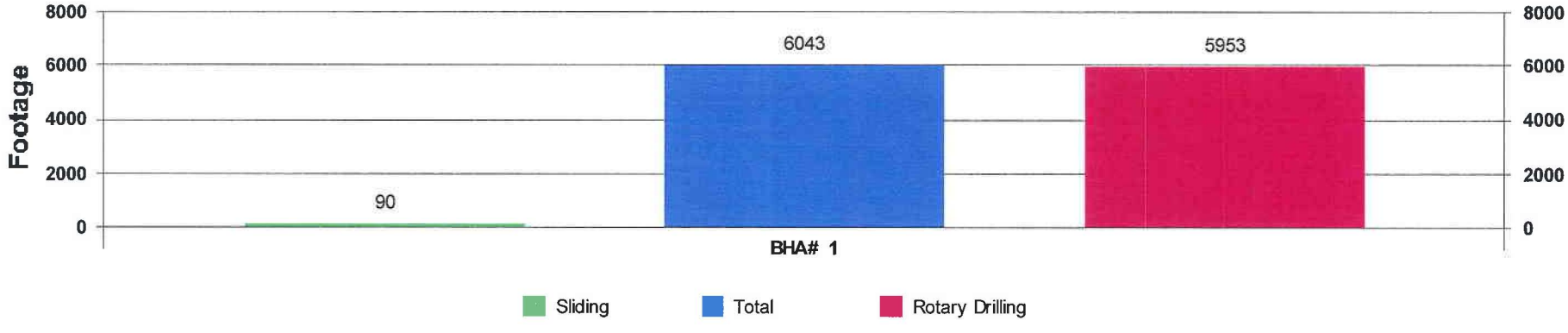
#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	12-Mar	Drilling	15:20	17:55	2.58	5068	5353	285	10	110.3	45	0	415	900		1.54	151.10	0.03	
1	12-Mar	Drilling	18:10	23:30	5.33	5353	5859	506	10	94.9	45	0	415	900		0.00	0.00	0.00	
1	12-Mar	Drilling	23:40	24:00	0.33	5859	5900	41	10	123.0	45	0	415	900		0.00	0.00	0.00	
1	13-Mar	Drilling	00:00	24:00	24.00	5900	7384	1484	10	61.8	45	0	415	900		0.00	0.00	0.00	
1	14-Mar	Drilling	00:00	24:00	24.00	7384	8326	942	10	39.3	45	0	415	900		0.00	0.00	0.00	
1	15-Mar	Drilling	00:00	03:00	3.00	8326	8376	50	10	16.7	45	0	415	900		0.00	0.00	0.00	

Total Drilled:	6043	**Avg. Total ROP:**	70.82	**DEPTH% - TIME %**	
Total Rotary Drilled:	5953	**Avg. Rotary ROP:**	71.29	**Percent Rotary:**	98.51 - 97.85
Total Drilled Sliding:	90	**Avg. Slide ROP:**	49.09	**Percent Slide:**	1.49 - 2.15

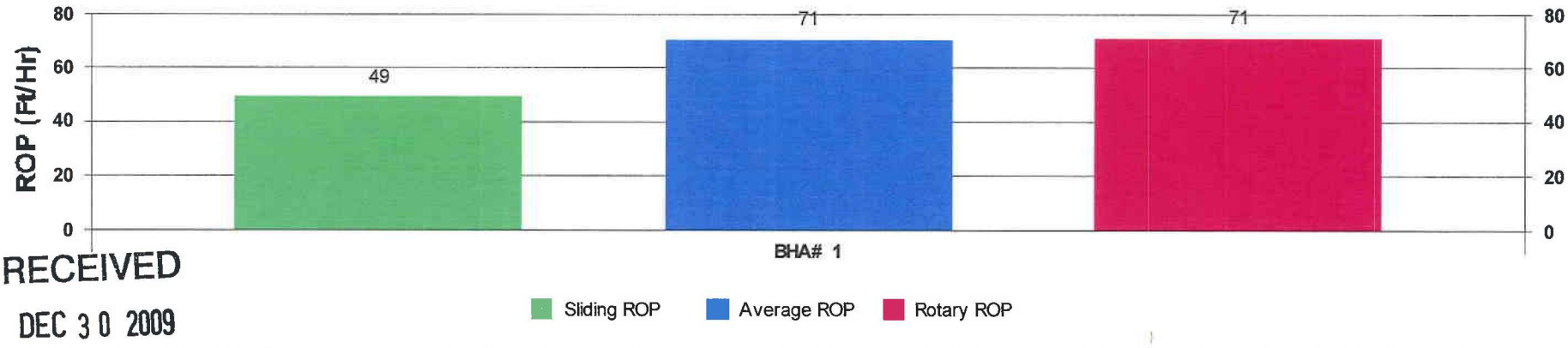
Scientific Drilling
Rocky Mountain Operations

JOB NO.:	42DMPK0903115	FIELD:	Natural Buttes Unit	
COMPANY:	Kerr McGee Oil and Gas Onshore LP	Township:	Sec 27 T9A R21E	
LOCATION:		SECT\RANGE:		Rocky Mountain
RIG NAME:	Pioneer 69	COMMENT		
STATE:	Utah			
COUNTY:	Uintah			
WELL NAME:	NBU 921-27HT			

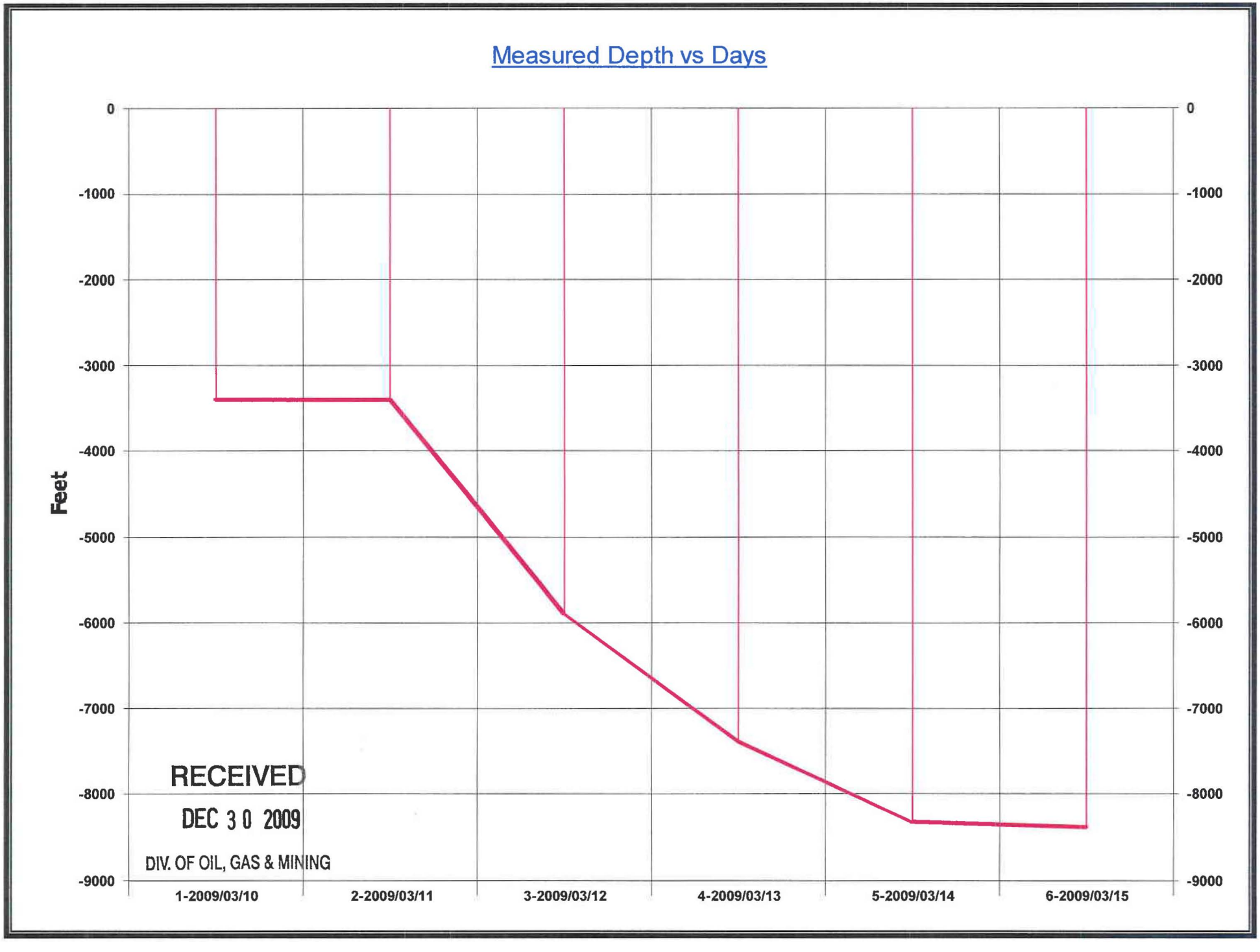
Footage Drilled with BHA



ROP vs BHA



Activity Histograph


Measured Depth vs Days
0
-1000
-2000
-3000
-4000
-5000
-6000
-7000
-8000
-9000
Feet
1-2009/03/10
2-2009/03/11
3-2009/03/12
4-2009/03/13
5-2009/03/14
6-2009/03/15
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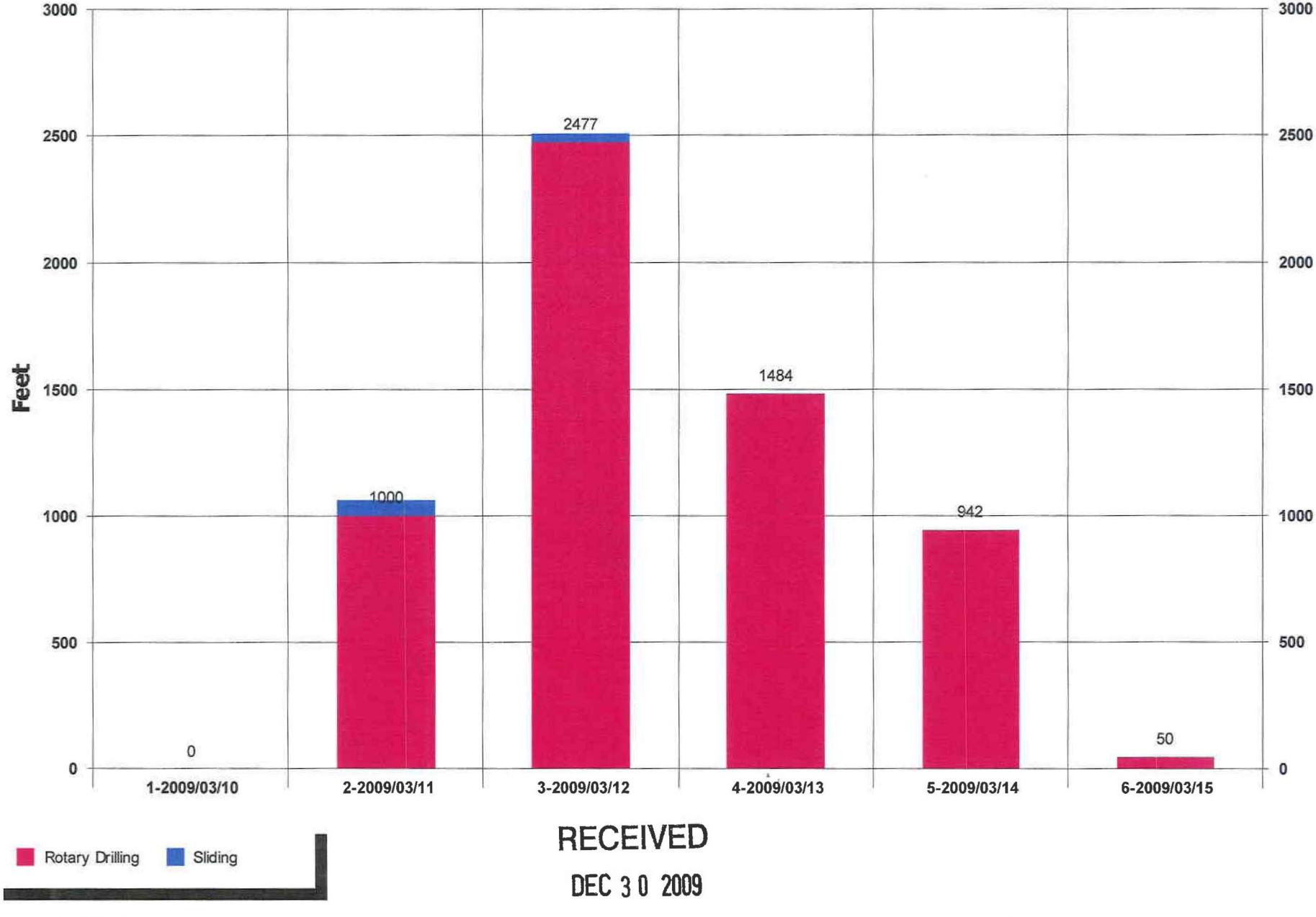
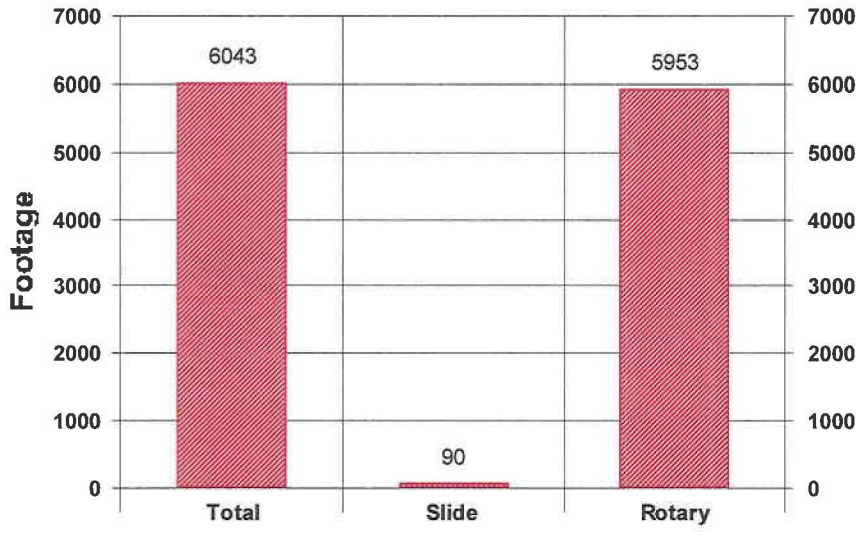
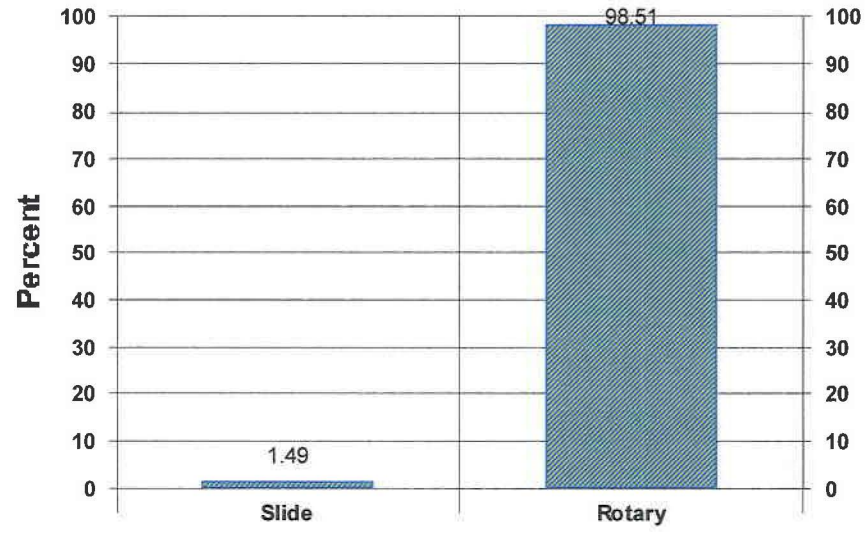
Daily Footage



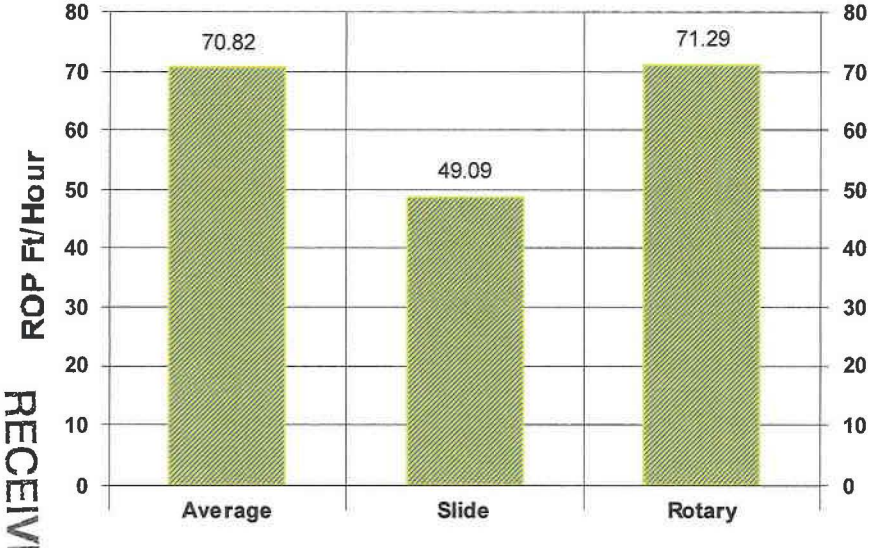
Footage Drilled Totals



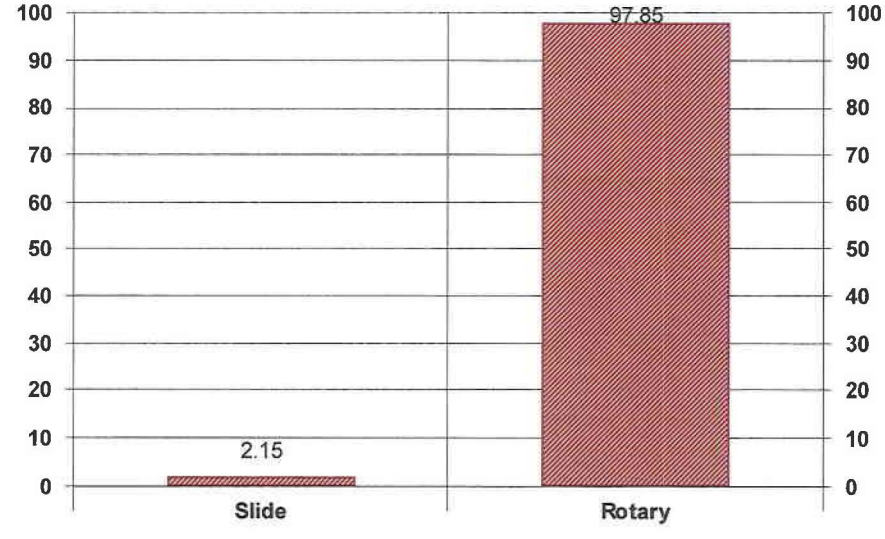
Footage Percent



Rate of Penetration Totals



Time Percent



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US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT | Spud Date: 2/11/2009

Project: UTAH-UINTAH | Site: NBU 921-27HT | Rig Name No: PIONEER 69/69, PROPETRO/

Event: DRILLING | Start Date: 2/19/2009 | End Date: 3/20/2009

Active Datum: RKB @4,938.00ft (above Mean Sea Level) | UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/19/2009	12:00 - 0:00	12.00	DRLSUR	02	A	P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1200 HR 2/19/09 DA AT REPORT TIME 810'
2/20/2009	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD NO WATER 1260'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD HIT TRONA WATER @ 1690' DA
2/21/2009	0:00 - 6:00	6.00	DRLSUR	02	A	P		RIG DRILLED TO 1710' LOST 30,000 # PREPAIR TO TRIP OUT OF HOLE
	6:00 - 9:00	3.00	DRLSUR	06	A	P		TRIP DP OUT OF HOLE LOST 3 EA 8" AND 5 EA. 6" COLLARS IN HOLE WAIT FOR FISHING TOOLS
	9:00 - 11:00	2.00	DRLSUR	21	E	Z		WAIT FOR FISHING TOOLS
	11:00 - 20:00	9.00	DRLSUR	19	A	Z		RIH W/ FISHING TOOLS RETRIVE FISH LDDS AND FISH RIH WITH TRICONE
	20:00 - 0:00	4.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1810'
2/22/2009	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 1890'
	12:00 - 0:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 1990'
2/23/2009	0:00 - 6:00	6.00	DRLSUR	02	A	P		RIG DRILLED TO 2060' LOST 40,000# PREPAIR TO TRIP OUT OF HOLE
	6:00 - 9:00	3.00	DRLSUR	06	G	Z		TRIP DP OUT OF HOLE LOST ALL 8" AND 6" COLLARS IN HOLE
	9:00 - 18:00	9.00	DRLSUR	19	A	Z		RIH W/ FISHING TOOLS RETIVE FISH LDDS AND FISH
	18:00 - 21:00	3.00	DRLSUR	06	A	P		RIH W/ TRICONE BIT
	21:00 - 0:00	3.00	DRLSUR	02	A	P		RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP NO RETURNS 2120'
2/24/2009	0:00 - 7:30	7.50	DRLSUR	02	A	P		DRILL F/ 2120' - T/ 2270' - PUMP DRILL W/ NO RETURNS
	7:30 - 13:00	5.50	DRLSUR	08	A	Z		RIG REPAIR ON MAIN HYDRAULIC PUMP
	13:00 - 17:00	4.00	DRLSUR	02	A	P		DRILL F/ 2270' - T/ 2360' - PUMP DRILL W/ NO RETURNS
	17:00 - 0:00	7.00	DRLSUR	06	A	P		P.O.O.H FOR BIT CHANGE / SWAP OUT DRILL COLLARS ON TRIP
2/25/2009	0:00 - 2:30	2.50	DRLSUR	06	A	P		P.O.O.H. / CHANGE OUT BHA & BIT
	2:30 - 6:30	4.00	DRLSUR	06	A	P		T.I.H. W/ TRI-CONE BIT
	6:30 - 11:30	5.00	DRLSUR	02	A	P		DRILL F/ 2360 - T/ 2450' (T.D.)
	11:30 - 12:30	1.00	DRLSUR	05	C	P		CIRCULATE & CONDITION HOLE FOR CASING
	12:30 - 13:00	0.50	DRLSUR	10	A	P		WIRELINE SURVEY @ 2390' - 1.25 DEG
	13:00 - 15:30	2.50	DRLSUR	06	D	P		L.D.D.S.
	15:30 - 18:00	2.50	DRLSUR	12	C	P		SAFETY MEETING / RIG UP & RUN 56 JTS 9 5/8 #36 LT&C CASING SET @ 2422' (G.L.)
	18:00 - 20:00	2.00	DRLSUR	05	D	P		CIRCULATE CASING FOR CEMENT - DISPLACE 1000 BBLS WATER FROM RESERVE PIT TO HOLE
	20:00 - 21:00	1.00	DRLSUR	12	E	P		PUMP 350 SX #15.8 CEMENT DOWN CASING / DISPLACE W/ 183.4 BBLS H2O / FLOATS HELD / PLUG DOWN @ 20:30 HRS / NO CEMENT TO SURFACE / PUMP 100 SX #15.8 DOWN BACKSIDE
	21:00 - 23:00	2.00	DRLSUR	13	A	P		WAIT ON CEMENT TO SET
	23:00 - 0:00	1.00	DRLSUR	12	F	P		PUMP 175 SX #15.8 CEMENT W/ CEMENT TO SURFACE / SLIGHT FALL BACK OF APPROX .5 BBLS / CEMENT REMAINED AT SURFACE

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/19/2009		End Date: 3/20/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/8/2009	10:00 - 0:00	14.00	DRLPRO	01	E	P		RDRT PREPARE TO MOVE TO THE NBU 921-27HT 3-9-09
3/9/2009	0:00 - 7:30	7.50	DRLPRO	01	E	P		RDRT PREPARE F/ MOVE
	7:30 - 18:00	10.50	DRLPRO	01	A	P		MIRU ON THE NBU 921-27HT - 4-BED TRUCK-2-HAUL-TRUCKS - 1- CRANE, 1-FORKLIFT- 4 EXTRA HANDS ON MOVE - RELEASE TRUCKS AT 16:30 CRANE AT 1800 HRS
	18:00 - 0:00	6.00	DRLPRO	01	B	P		RURT, RAISE DRK AT 1800 HRS
3/10/2009	0:00 - 7:30	7.50	DRLPRO	01	B	P		RURT,RIG UP FLOOR AND EQUIP,BACK YARD, ELECTRICAL FLARE LINES, ECT, PRE SPUD INSPECTION
	7:30 - 11:30	4.00	DRLPRO	14	A	P		NIPPLE UP BOPE, CHANGE 2X5000 CHECK VALVE
	11:30 - 13:00	1.50	DRLPRO	09	A	P		CUT AND SLIP 85' DRLG LINE
	13:00 - 18:00	5.00	DRLPRO	15	A	P		PRESS TEST BOPE, UPPER & LOWER KELLY VALVES - HIGH=5000 PSI,LOW=250 PSI, BLIND RAMS, PIPE RAMS,CHOKE VALVES,CHOKE MANIFOLD, KILL LINE- HIGH=5000 PSI, LOW= 250 PSI, ANNULAR - HIGH - 2500 PSI, LOW= 250 PSI, CSNG TO 1500 PSI FOR 30 MIN
	18:00 - 0:00	6.00	DRLPRO	06	A	P		HELD SAFETY W/ TESCO - RIG CREW-DIRECTIONAL HANDS- RIG UP SAME. P/U BHA # 1 W/ 1.5 BENT HOUSING MM,
3/11/2009	0:00 - 1:30	1.50	DRLPRO	06	A	P		P/U PIPE TAG @ 2333' - RIG DOWN TESCO
	1:30 - 2:00	0.50	DRLPRO	06	A	P		TORQUE KELLY AND VALVES, INSTALL DRIVE BUSHINGS & ROTATING HEAD RUBBER
	2:00 - 2:30	0.50	DRLPRO	11	E	P		TEST DIR TOOLS
	2:30 - 4:30	2.00	DRLPRO	02	F	P		DRLG CMNT,FLOAT,SHOE
	4:30 - 5:30	1.00	DRLPRO	11	E	P		TEST DIR TOOLS, TOOLS NOT WORKING
	5:30 - 7:00	1.50	DRLPRO	06	H	Z		TRIP OUT
	7:00 - 8:30	1.50	DRLPRO	11	E	Z		WORK ON DIR TOOLS
	8:30 - 9:00	0.50	DRLPRO	06	H	P		TRIP IN BHA
	9:00 - 10:00	1.00	DRLPRO	11	E	P		TEST DIR TOOLS MWD
	10:00 - 10:30	0.50	DRLPRO	06	A	P		TRIP IN HOLE
	10:30 - 11:00	0.50	DRLPRO	10	D	P		SURVEY@ 2397' .44 DEGREE 152.32 AZ
	11:00 - 13:30	2.50	DRLPRO	02	C	P		DRLG FORMATION F/ 2468' TO 2542' = 74' - 50' HR-WOB-17,STRNGWT=UP/DWN/ROT-90/80'85-DIFF PRESS 300-SPP-1250-MW-8.3-VIS-26-
	13:30 - 14:00	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	14:00 - 21:00	7.00	DRLPRO	02	C	P		DRILL,SLIDE F/ 2542'TO 3432' SLIDE-TOTAL-75' -ROT=889' WOB-17,SPP=1300,DIFF-310-ROTARY-50-MM-140-TOTAL DRLG TIME 9.5
	21:00 - 0:00	3.00	DRLPRO	10	B	P		TOTAL SURVEY TIME 3HRS
3/12/2009	0:00 - 13:30	13.50	DRLPRO	02	D	P		DRLG F/ 3432' TO 5068' = 1636 FT - 121'\FPH - WOB-17,STRNG WT-UP/DWN/ROT-113-100-108-SPP-1450-DFF-200-300-OFBTM-1250-RPM-50-MTRRPM-140-GPM-454 MUD WT - 8.4 VIS 28 TOTAL SLIDES -71'
	13:30 - 15:30	2.00	DRLPRO	10	D	P		TIME F/ SURVEYS
	15:30 - 16:00	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	16:00 - 23:30	7.50	DRLPRO	02	D	P		DRLG F/ 5068' TO 5891' - 823' - 110FPH-WOB-18-STRING WT - UP/DWN/ROT-145-130-138-SPP-1570-OFFBTM-2470-DIFF-250-350-GPM-454-RPM-50-MUDMTR-140-MUD WT-8.4 VIS-28 NO SLIDES
	23:30 - 0:00	0.50	DRLPRO	10	D	P		SURVEY TIME

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/19/2009		End Date: 3/20/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/13/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG F/ 5891' TO 6935' - 1044' - 70 FPH - WOB-19-STRNGWT-UP/DWN/ROT-142-150-135,SPP-1850-OFFBTM-1650-DIFF-210-320-GPM-454-RPM-55-MUDMTR-140-MUD WT - 9.1-VIS36
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 6935' TO 7384' - 449' - 53FPH - WOB-19-STRINGWT-UP/DWN/ROT-160-140-150-SPP-1950-OFFBTM-1750-DIFF-230-380-GPM-454-RPM-55-MUDMTR-140-MUD WT- 9.4 VIS- 38
3/14/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG F/ 7384' TO 8042' - 658'-44FPH-WOB-22-STRNGWT-UP/DWN/ROT-170-155-160-SPP-2000-OFFBTM-1850-DFF-300-320-GPM-454-RPM-55-MUDMTR-140-MUD WT-9.4-10.0 VIS 38
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 8042' TO 8328' - 286' - 34 FPH-WOB-23-STRING WT- UP/DWN/ROT/ -170-160-165-SPP-2150-OFFBTM-1950-DFF-250-300-GPM-454RPM-55-60-MUDMTR-140 MUD WT - 10.0 - 10.4+ VIS- 43
3/15/2009	0:00 - 2:30	2.50	DRLPRO	02	B	P		DRLG F/ 8328' TO 8376' - 48' - 19 FPH - WOB-24-STRNGWT-UP/DWN/ROT-170-160-165-SPP-2150-OFFBTM-1950-GPM-454-DIFF-250-300-RPM-55-MUDMTR-140 MUD WT-10.4+ VIS-45
	2:30 - 3:00	0.50	DRLPRO	05	C	P		CIRC,BUILD,PUMP SLUG
	3:00 - 10:00	7.00	DRLPRO	06	A	P		TRIP OUT F/ BIT # 1 & MM- TIGHT HOLE F/ 4467' TO 4435' LAY DOWN DIR TOOLS,BIT # 1 AND MUD MTR
	10:00 - 11:30	1.50	DRLPRO	06	A	P		P/U BIT # 2 AND MUD MTR- TRIP TO SHOE
	11:30 - 12:30	1.00	DRLPRO	09	A	P		SLIP AND CUT 65' DRLG LINE
	12:30 - 14:30	2.00	DRLPRO	06	A	P		TRIP IN HOLE NO PROBLEMS
	14:30 - 15:00	0.50	DRLPRO	03	D	P		WASH AND REAM 30'
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	15:30 - 16:00	0.50	DRLPRO	03	D	P		WASH AND REAM 60' TO BOTTOM - 15' FILL
	16:00 - 21:30	5.50	DRLPRO	02	B	P		DRLG F/ 8376' TO 8557' - 181' - 33FPH -WOB-18-STRNGWT-UP/DWN/ROT-170-160-165-SSP-2050-DIFF PESS-200-350-GPM-0FFBTM-1850-RPM-55-MUDMTR-140-MUD WT-10.8 VIS -46 . LOST DIFF PRESS PR SLOWED,
	21:30 - 22:00	0.50	DRLPRO	05	C	P		CIRC,BUILD AND PUMP SLUG
	22:00 - 0:00	2.00	DRLPRO	06	H	P		TRIP F/ MUD MOTOR
3/16/2009	0:00 - 2:30	2.50	DRLPRO	06	A	P		TRIP OUT,BRK BIT AND LAY DOWN MUD MTR
	2:30 - 7:30	5.00	DRLPRO	06	A	P		P/U MUD MTR AND RR BIT #1 TRIP IN HOLE,LAY DOWN 3 JOINTS,FILL PIPE AT 2468' NO HOLE PROBLEMS ON TRIP IN
	7:30 - 8:30	1.00	DRLPRO	03	D	P		WASH&REAM 102' TO BOTTOM (20' FILL)
	8:30 - 15:00	6.50	DRLPRO	02	B	P		DRLG F/ 8557' TO 8787' - 230' - 35 FPH-WOB-18-STRING WT-UP/DWN/ROT-180-160-170SPP-2250-2350-OFFBTM-1950-GPM-454-SPM-120-RPM-55-MUDMTR-140-DIFF PRESS-250-350-MUD WT-11.0-11.2 VIS=48 - TRIP GAS 3050 W/ 10' FLARE- 2 TENTHS MUD CUT
	15:00 - 15:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/19/2009		End Date: 3/20/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	15:30 - 0:00	8.50	DRLPRO	02	B	P		DRLG F/ 8787' TO 9097' - 310' - 36 FPH - WOB 20,STRING WT-UP/DWN/ROT-185-165-175-SPP-2400-OFFBTM -2200-DIFF PRESS-180-350-GPM-454-SPM-120-RPM-50-MUD MTR-140 - MUD WT - 11.5-VIS-45
3/17/2009	0:00 - 14:00	14.00	DRLPRO	02	B	P		DRLG F/ 9097' TO 9579' - 482' - 34FPH-WOB19-STRUNGWT=170-190-180-SS0-240 0-2350-0FFBTM-2200-DIFF-250-35- -GPM-454-MUDMTRRPM-140-RPM-55-MUD WT-11.5 VIS 48
	14:00 - 14:30	0.50	DRLPRO	07	A	P		LUBERICATE RIG
	14:30 - 0:00	9.50	DRLPRO	02	B	P		DRLG F/ 9579' TO 9794' - 215' - 23' HR-WOB-20-23-STRINGWT-UP/DWN/ROT/195-175 -185-SPP-2450-DIFF-250-350-GPM-454-0FFBTM-22 50-RPM-55-MUDMTR-140-MUDWT-11.5 VIS- 48
3/18/2009	0:00 - 1:00	1.00	DRLPRO	02	B	P		DRLG F/ 9794' TO 9808' -T.D.- 14' - 14FPH,WOB-24-STRINGWT- -UP/DWN/ROT-195-175-185,SPP-245-OFFBTM-225 0-DIFFPRESS-250-350-SPM-120-GPM-454-RPM-55 -MUDMTR-140-MUDT WT -11/5-VIS48
	1:00 - 2:00	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP, BUILD AND PUMP SLUG
	2:00 - 3:00	1.00	DRLPRO	06	E	P		SHORT TRIP 20 STANDS (8535' NO PROBLEMS)
	3:00 - 4:30	1.50	DRLPRO	05	C	P		CIRC TO L.D.D.P. - HELD SAFETY MTNG W/ LAY DOWN CREW AND RIG CREW RIG UP SAME, PUMP SLUG
	4:30 - 7:00	2.50	DRLPRO	06	A	P		LAY DOWN DRILL PIPE
	7:00 - 8:00	1.00	DRLPRO	08	A	X		WORK ON BRAKE BAND LINKAGE
	8:00 - 9:30	1.50	DRLPRO	06	A	P		LAY DOWN DRILL PIPE TIGHT @ 4465' WORKED TIGHT SPOT UNTILL NO OVER PULL
	9:30 - 10:00	0.50	DRLPRO	08	A	S		ADJUST ROLLERS ON BRAKE BANDS
	10:00 - 13:30	3.50	DRLPRO	06	A	P		LAY DOWN DRILL PIPE, BREAK KELLY AND VALVES, LAY DOWN BHA
	13:30 - 20:30	7.00	DRLPRO	11	C	P		HELD SAFETY MTNG W/ LOGGERS AND RIG CREW,RIG UP AND RUN TRIPLE COMBO LOGS - DEPTH = 9814' - RIG DOWN LOGGERS
	20:30 - 22:00	1.50	DRLPRO	12	A	P		HELD SAFETY MTNG W/ CASERS AND RIG CREW RIG UP SAME (PULL WEAR BUSHING)
	22:00 - 0:00	2.00	DRLPRO	12	C	P		P/U FLOAT SHOE,SHOE JOINT, FLOAT COLLAR,RUN 4 1/2 PROD CSNG 12-JOINTS TOTAL OF P-110 = 508' AND 81 JOINTS OF 1-80 AT REPORT TIME
3/19/2009	0:00 - 2:30	2.50	DRLPRO	12	C	P		FINISH RUNNING 4 1/2 PROD CSNG.RAN 233 TOTAL JOINTS OF PIPE, 12 JOINTS P-110 - 508' & 221 JOINTS I - 80 - 9295'- SHOE @ 9802 - FLOAT COLLAR @ 9760'
	3:00 - 5:30	2.50	DRLPRO	12	A	P		P/U LANDING JOINT AND BJ CMNT HEAD TO CIRC F/ CMNT, WOULD NOT CIRC, WORK TIGHT HOLE AND ESTABLISH CIRC,
	5:00 - 6:30	1.50	DRLPRO	05	A	P		CIRC, F/ CMNT , RIG DOWN CSERS

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING	Start Date: 2/19/2009		End Date: 3/20/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:30 - 9:30	3.00	DRLPRO	12	E	P		HELD SAFETY MTNG W/ BJ AND RIG CREW, RIG UP ANDCMNT 4 1/2 CSNG- PRESS TEST LINES TO 5000 PSI, 20 BBLLS MUD CLEAN-20 BLLS FRESH WATER- LEAD CMNT = 440SX-PL2+10%GEL+3%KCL+5#KOL+0.5%SMS+0.25#CF -11.3#-3.06 YLD- TAIL CMNT- 1240 BBLS 50/50 POS+10%NaCL+0.2%R-3+0.05#SF+0.002FP-6L-14.3#-1.31 YLD, FINAL CIIRC PRESS-2664 PSI, PRESS TO BUMP PLUG - 3216 PSI - 552 PSI OVER- BUMP PLUG, FLOATS NOT HOLDING, SHUT IN HEAD AND HOLD PRESS.
	9:30 - 0:00	14.50	DRLPRO	13	A	X		WAIT ON CMNT, CHECK F/ FLOW BACK, RDRT,WOC
3/20/2009	0:00 - 4:00	4.00	DRLPRO	13	A	X		WOC. CHECK FLOW BACK NO FLOW
	4:00 - 6:00	2.00	DRLPRO	14	A	P		NIPPLE DOWN BOPE, RELEASE RIG @ 06:00 - 03/20/2009

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US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 11/12/2009		End Date: 11/21/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/6/2009	-							
11/12/2009	6:30 - 7:00	0.50	COMP	48		P		HSM, ROADING RIG AND EQUIP, AND RIGGING UP.
	7:00 - 9:00	2.00	COMP	30	A	P		MIRU F/ NBU 1022-1CT.
	9:00 - 17:00	8.00	COMP	31	I	P		ND WH NU BOPS, TEST BOPS TO 3,000# OK. RU FLOOR & TBG EQUIP. PU 37/8 BIT AND SUB & 200 JTS 23/8 L-80 TBG TO 6336'. POOH W/ 100 STDS IN DERICK, L/D BIT.HAD TO PULL SLOW DUE TO HIGH WINDS. ND BOPS NU FRAC VALVES, SWI SDFN.
11/13/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ WIRE LINE, AND TEST TRUCK.
	7:30 - 8:00	0.50	COMP	33	C	P		RU B&C QUICK TEST, TEST CSG TO 7,000# OK, RD B&C.
	8:00 - 15:00	7.00	COMP	37	B	P		(STG 1) PU 31/8" EXP GUNS, 23 GRM, .36" HLS, 120 DEG PHASING, PERF 9598'-9602' 3 SPF 12 HLS. 9486'-9488' 3 SPF 6 HLS. 9366'-9368 3 SPF 6 HLS. 9330'-9334' 3 SPF 12 HLS. POOH SWI, PREP TO FRAC 11/16/09
11/16/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. FRACING & PERFORATING
	7:30 - 7:45	0.25	COMP	36	B	P		STG 1) WHP 1,830 PSI, BRK 3,930 PSI @ 5.3 BPM, ISIP 2,980 PSI, FG .74. PUMP 100 BBLS @ 50.2 BPM @ 6,100 PSI = 84% HOLES OPEN. MP 6,488 PSI, MR 51.6 BPM, AP 5,319 PSI, AR 41.3 BPM, ISIP 3,078 PSI, FG .76, NPI 98 PSI. PMPD 1,060 BBLS OF SW & 30,688 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 35,688 LBS.
	7:45 - 9:35	1.83	COMP	36	B	P		STG 2) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET 8K CBP @ 9,112' & PERF 9,076' - 82' 3SPF, 8,970 - 74' 3SPF, 8,912' - 16' 3SPF, 42 HOLES. WHP 1,301 PSI, BRK 2,704 PSI @ 5.3 BPM, ISIP 2,306 PSI, FG .69. PUMP 100 BBLS @ 51.5 BPM @ 5,250 PSI = 76% HOLES OPEN. MP 5,883 PSI, MR 51.6 BPM, AP 4,535 PSI, AR 48.2 BPM, ISIP 2,870 PSI, FG .75, NPI 564 PSI. PMPD 2,036 BBLS OF SW & 71,526 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 76,526 LBS.
	9:35 - 10:53	1.30	COMP	36	B	P		STG 3) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,804' & PERF 8,770' - 74' 3SPF, 8,660' - 62' 4SPF, 8,572' - 74' 4SPF, 8,522' - 24' 3SPF, 8,498' -00, 3SPF, 40 HOLES. WHP 1,297 PSI, BRK 2,949 PSI @ 5.3 BPM, ISIP 2,357 PSI, FG .70. PUMP 100 BBLS @ 51.0 BPM @ 4,300 PSI = 100% HOLES OPEN. MP 5,673 PSI, MR 51.8 BPM, AP 4,309 PSI, AR 40.8 BPM, ISIP 2,799 PSI, FG .75, NPI 442 PSI. PMPD 790 BBLS OF SW & 23,878 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 28,878 LBS.

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 11/12/2009		End Date: 11/21/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	10:53 - 12:45	1.87	COMP	36	B	P		STG 4) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,400' & PERF 8,366' - 70' 3SPF, 8,334' - 36' 4SPF, 8,256' - 58' 4SPF, 8,220' - 24' 3SPF, 40 HOLES. WHP 1,950 PSI, BRK 2,905 PSI @ 5.3 BPM, ISIP 2,444 PSI, FG .72. PUMP 100 BBLS @ 52.5 BPM @ 5,219 PSI = 81% HOLES OPEN. MP 5,983 PSI, MR 51.6 BPM, AP 4,589 PSI, AR 44.8 BPM, ISIP 2,910 PSI, FG .78, NPI 466 PSI. PMPD 735 BBLS OF SW & 22,760 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 27,760 LBS.
	12:45 - 14:40	1.92	COMP	36	B	P		STG 5) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 & 120 DEG PHASING. RIH SET 8K CBP @ 8,156' & PERF 8,122' - 26' 3SPF, 8,070' - 72' 3SPF, 8,012' - 14' 3SPF, 7,930' - 32' 4SPF, 7,894' - 96' 4SPF, 40 HOLES. WHP 1,036 PSI, BRK 3,155 PSI @ 5.3 BPM, ISIP 2,035 PSI, FG .68. PUMP 100 BBLS @ 51.5 BPM @ 4,810 PSI = 78% HOLES OPEN. MP 5,764 PSI, MR 51.7 BPM, AP 3,801 PSI, AR 42.8 BPM, ISIP 2,674 PSI, FG .76, NPI 639 PSI. PMPD 2,373 BBLS OF SW & 90,981 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 95,981 LBS.
	14:40 - 16:00	1.33	COMP	36	B	P		STG 6) PU 4 1/2" HAL. CBP & 3 1/8 EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET 8K CBP @ 7,728' & PERF 7,694' - 98' 4SPF, 7,662' - 68' 4SPF, 40 HOLES. WHP 890 PSI, BRK 4,762 PSI @ 6.4 BPM, ISIP 2,127 PSI, FG .71. PUMP 100 BBLS @ 48.5 BPM @ 4,900 PSI = 71% HOLES OPEN. MP 5,676 PSI, MR 48.7 BPM, AP 4,350 PSI, AR 45 BPM, ISIP 2,719 PSI, FG .78, NPI 592 PSI. PMPD 1,407 BBLS OF SW & 57,476 LBS 30/50 SND & 5,000 LBS 20/40 RESIN, TOTAL PROP 62,476 LBS.
	16:00 - 18:00	2.00	COMP	34	I	P		KILL PLG) PU 4 1/2" HALLIBURTON CBP & RIK SET CBP @ 7,610'. RDMO CUTTERS & SCHLUMBERGER. SWI SDFN
11/17/2009	6:30 - 7:00	0.50	COMP	48		P		HSM. DRILLING UNDER PRESSURE

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT			Spud Date: 2/11/2009
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 11/12/2009		End Date: 11/21/2009
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:00 - 7:00	0.00	COMP	44	C	P		SICP 0 PSI, ND FRAC VALVES NU BOP. PU 3 7/8" BIT & POBS. RIH TO 7,570'. RU POWER SWIVEL & BRK CIRCULATION. RIH C/O 10' OF SAND TAG PLG 1 @ 7,610' DRL PLG IN 10 MIN. 800 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 2 @ 7,728' DRL PLG IN 5 MIN. 800 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 3 @ 8,156' DRL PLG IN 7 MIN. 300 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 4 @ 8,400' DRL PLG IN 7 MIN. 900 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 5 @ 8,804' DRL PLG IN 6 MIN. 500 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 6 @ 9,112' DRL PLG IN 8 MIN. 400 PSI INCREASE. RIH C/O TO PBTD @ 9,755'. CIRC WELL CLEAN. POOH LD 28 JTS OF 2 3/8" L-80 TBG ON TRAILER. LAND TBG W/ 280 JTS OF 2 3/8" 4.7# L-80 TBG. EOT @ 8,871.58'. ND BOP NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 2,220 PSI. TURN WELL OVER TO FLOW TESTERS. 315 JTS OUT BOUND 280 JTS LANDED 35 JTS RETURNED
11/18/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 1975#, TP 1950#, 20/64" CK, 65 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 2660 BBLS LEFT TO RECOVER: 5741
11/19/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2325#, TP 2075#, 20/64" CK, 40 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 3840 BBLS LEFT TO RECOVER: 4561
	10:20 -		PROD	50				WELL TURNED TO SALE @ 1020 HR ON 11/19/09 - FTP 2100#, CP 2500#, 1.8 MCFD, 40 BWPD, 20/64 CK
11/20/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2900#, TP 1975#, 20/64" CK, 30 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 4630 BBLS LEFT TO RECOVER: 3771
11/21/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2850#, TP 2050#, 16/64" CK, 18 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5113 BBLS LEFT TO RECOVER: 3288
	7:00 -			33	A			7 AM FLBK REPORT: CP 2825#, TP2050#, 16/64" CK, 18 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5167 BBLS LEFT TO RECOVER: 3234

API Well No: 43047401730000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1194A

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 921-27HT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401730000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2059 FNL 0593 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 09.0S Range: 21.0E 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		
✓ NOTICE OF INTENT Approximate date work will start: 2/5/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL TO DRILL THE NBU 921-27H PAD WELLS, WHICH CONSIST OF NBU 921-27A4DS, NBU 921-27H1BS, NBU 921-27H3DS, NBU 921-27I1BS.PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.

Approved by the Utah Division of Oil, Gas and Mining

Date: February 03, 2010

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 2/2/2010

RECEIVED February 02, 2010

NBU 921-27HT
2025' FNL & 623' FEL
SENE SEC.27, T9S, R21E
Uintah County, UT

KBE:	4938'	**API NUMBER:**	43-047-40173
GLE:	4920'	**LEASE NUMBER:**	ST-U0-1194A
TD:	9808'	**WINS #:**	18101
PBTD:	9760'	**WI:**	100.0000%
		NRI:	81.494445%

CASING: 20" hole
14" STL 36.7# csg @ 40' GL
Cemented to surface w/ 28 sx

12 1/4" hole
9 5/8" 36# J-55 @ 2070' (KB)
Cement w/ 350sx class G, top out w/ 175 sx class G, cmt to surface

7.875" hole
4 ½" 11.6# I-80 @ 9802'
Cement w/ 1680 sks

TUBING: 2 3/8" 4.7# J-55 tubing landed at 8872'

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	0.02173	0.00387
4.5" 11.6# I-80	3.875	6350	7780	0.6528	0.0872	0.01554
9.625" 36# J-55	8.765	2020	3520	3.247	0.434	0.0773
14" 36.7# Stl						
Annular Capacities						
2.375" tbg. X 4 ½" 11.6# csg				0.4227	0.0565	0.01006
4.5" csg X 9 5/8" 36# csg				2.2159	0.3236	0.0576
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3436	0.3132	0.0558
9 .625" csg X 14" csg				3.4852	0.4659	0.083
14" csg X 20" borehole						

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1475'
Bird's Nest	1784'
Mahogany	2287'
Wasatch	4789'
Mesa Verde	7612'

Tech. Pub. #92 Base of USDW's

USDW Elevation	2900'MSL
USDW Depth	2038' KBE

RECEIVED February 02, 2010

PERFORATIONS:

Formation	Date	Top	Btm	Spf	Status		Formation	Date	Top	Btm	Spf	Status
Mesaverde	11/16/09	7,662	7,668	4	Open		Mesaverde	11/16/09	8,912	8,916	3	Open
Mesaverde	11/16/09	7,694	7,698	4	Open		Mesaverde	11/16/09	8,970	8,974	3	Open
Mesaverde	11/16/09	7,894	7,896	4	Open		Mesaverde	11/16/09	9,076	9,082	3	Open
Mesaverde	11/16/09	7,930	7,932	4	Open		Mesaverde	11/13/09	9,330	9,334	3	Open
Mesaverde	11/16/09	8,012	8,014	3	Open		Mesaverde	11/13/09	9,366	9,368	3	Open
Mesaverde	11/16/09	8,070	8,072	3	Open		Mesaverde	11/13/09	9,486	9,488	3	Open
Mesaverde	11/16/09	8,122	8,126	3	Open		Mesaverde	11/13/09	9,598	9,602	3	Open
Mesaverde	11/16/09	8,220	8,224	3	Open							
Mesaverde	11/16/09	8,256	8,258	4	Open							
Mesaverde	11/16/09	8,334	8,336	4	Open							
Mesaverde	11/16/09	8,366	8,370	3	Open							
Mesaverde	11/16/09	8,498	8,500	3	Open							
Mesaverde	11/16/09	8,522	8,524	3	Open							
Mesaverde	11/16/09	8,572	8,574	4	Open							
Mesaverde	11/16/09	8,660	8,662	4	Open							
Mesaverde	11/16/09	8,770	8,774	3	Open							

WELL HISTORY:

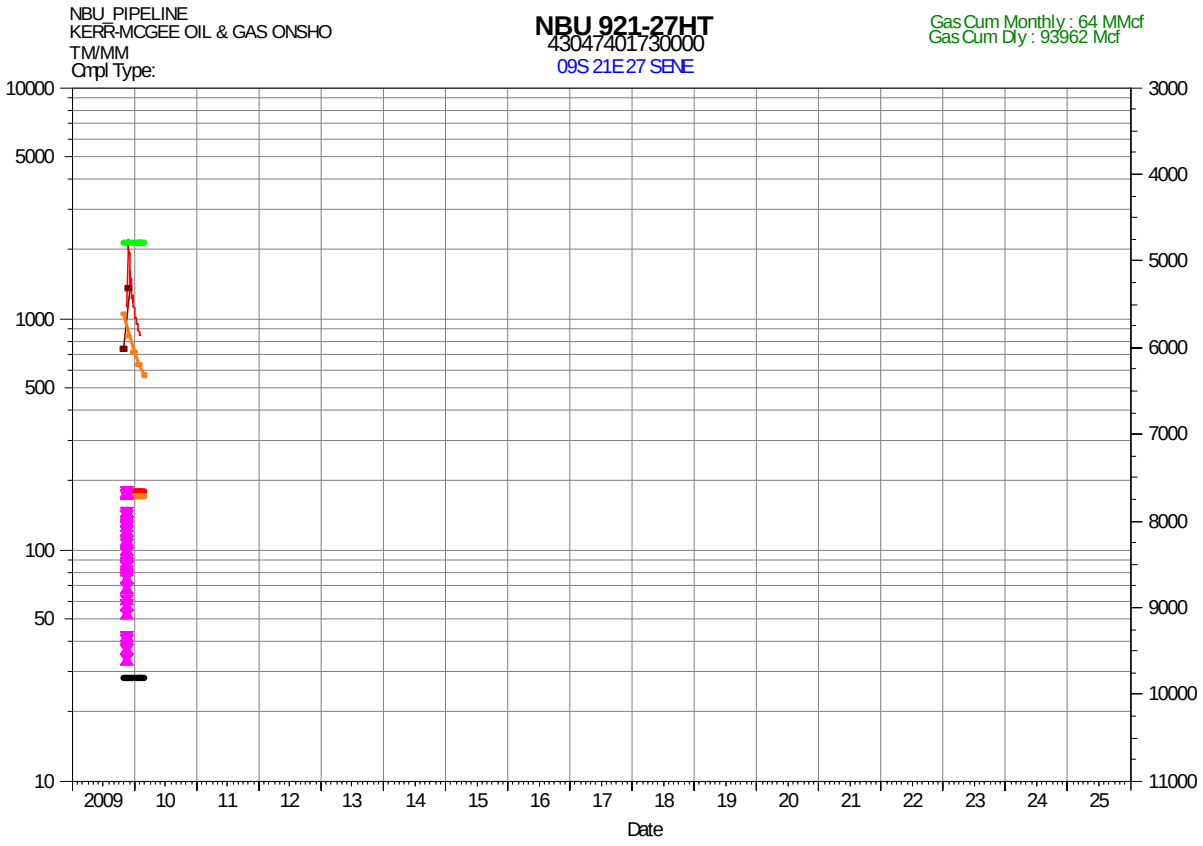
- 2/11/2009 – Spud well; 3/18/09 – TD'd @ 9808'
- 11/16/09 – Perf gross MV interval f/ 7894' – 96020', frac interval in 6 stages using 327,309# 30/50 sand & 8401 bbls slickwater fluid.
- 11/23/09 - WELL IP'D - 2200 MCFD, 0 BOPD, 480 BWPD, CP 2425#, FTP 607#, CK 18/64", LP 105#, 24 HRS

REMARKS:

- Land Exploration/Operations - This lease is held by the NB Unit. OK to TA. Jason Rayburn
- Geology - Newer well producing 1100 MCFD. Recommend to TA during construction, drilling and completion of the NBU 921-27H pad - Paul Jensen
  Reservoir Engineering - newer well producing 1100 mcfd. Ta for the construction and completion of the nbu 921-H pad.
- Operations Engineering - making 1,100 MCFD. good to ta ell. MB 11/21/2009

Recommended future action for disposition of well bore:
Temporarily abandon the wellbore during the drilling and completion operations of the NBU 921-27H pad wells (921-27A4DS, 921-27H1BS, 921-27H3DS, & 921-27I1BS). Return to production as soon as possible once completions are done.

RECEIVED February 02, 2010



RECEIVED February 02, 2010

NBU 921-27HT 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 RESONSIBLE 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 BIOCIDE. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

Note: An estimated 19 sx Class "G" cement needed for procedure
Note: No Gyro has been run at this time

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.

2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.

3. RUN GYRO SURVEY IF NOT COMPLETE AT TIME OF MIRU.

4. **PLUG #1, ISOLATE MESAVERDE PERFORATIONS (7662' – 9602'):** RIH W/ 4 ½" CBP. SET @ ~7612'. 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 4.36 CUFT CMT (4 SX) ON TOP OF PLUG. PUH ABOVE TOC (~7562'). REVERSE CIRCULATE W/ TREATED FRESH WATER.

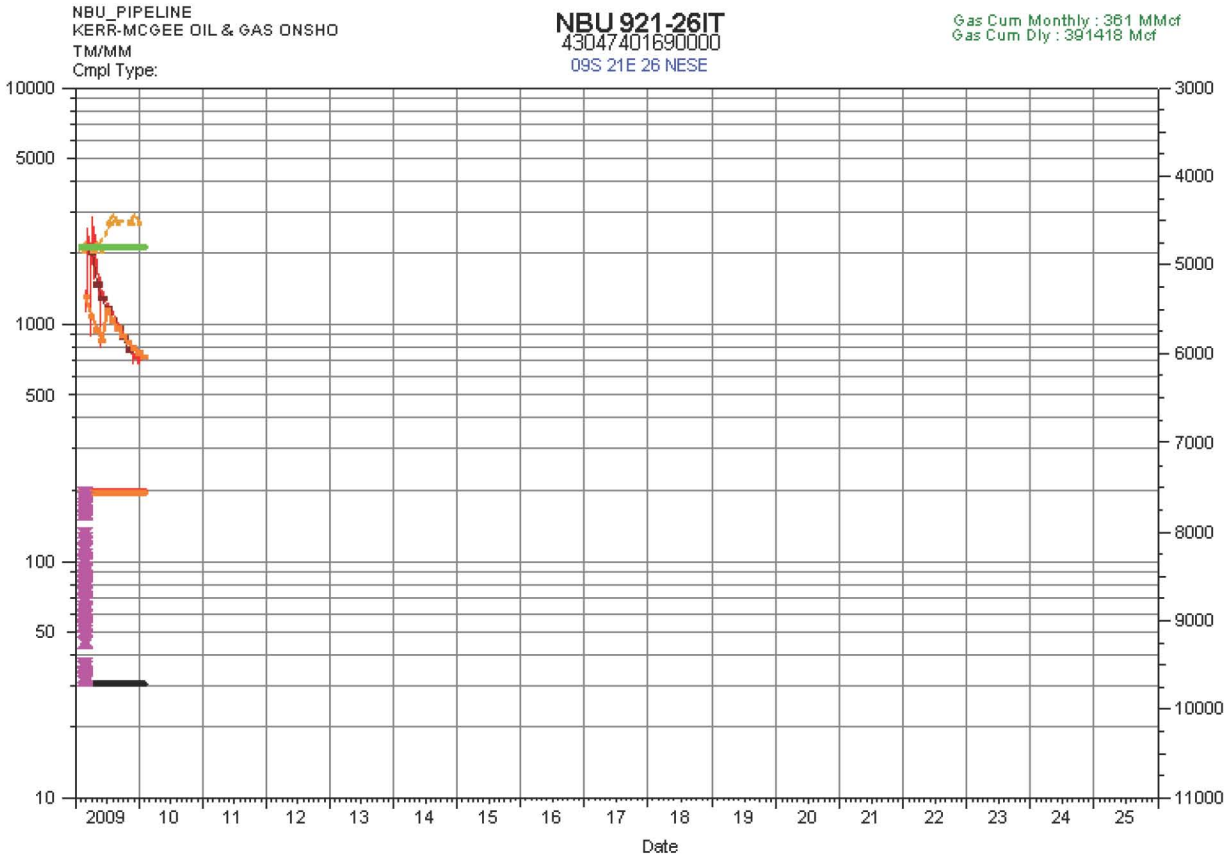
5. **PLUG #2, PROTECT WASATCH TOP (4789'):** PUH TO ~4889'. BRK CIRC W/ FRESH WATER. DISPLACE 17.44 CUFT. (15 SX) AND BALANCE PLUG W/ TOC @ ~4689' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.

6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.

7. RDMO. TURN OVER TO DRILLING OPERATIONS.

2/1/10

RECEIVED February 02, 2010



API Well No: 43047401730000

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

FORM 9

5.LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1194A

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 921-27HT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401730000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6007 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2059 FNL 0593 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 09.0S Range: 21.0E 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 5/11/2010	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	✓ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

THE OPERATOR HAS PERFORMED THE TEMPORARILY ABANDON OPERATIONS ON THE SUBJECT WELL LOCATION ON 5/11/2010. THE OPERATOR HAS TA'D THE WELL TO DRILL THE NBU 921-27H PAD WELLS, WHICH CONSIST OF NBU 921-27A4DS, NBU 921-27H1BS, NBU 921-27H3DS, AND NBU 921-27I1BS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON CHORONOLOGICAL WELL HISTORY.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
May 18, 2010

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 5/14/2010

RECEIVED May 14, 2010

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT		Spud Date: 2/11/2009	
Project: UTAH-UINTAH	Site: NBU 921-27HT		Rig Name No: MILES 2/2
Event: ABANDONMENT	Start Date: 5/10/2010		End Date: 5/11/2010
Active Datum: RKB @4,938.00ft (above Mean Sea Level)	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/7/2010	11:00 - 15:00	4.00	ABAND	45		P		MIRU, KILL WELL, NDWH, NU BOP'S, GET GYRO RUN. SWIFWE
5/10/2010	7:00 - 7:30	0.50	ABAND	48		P		SCAN TBG OOH
	7:30 - 17:00	9.50	ABAND	45		P		500# CSG, 500# TBG, KILL WELL WITH 40 BBLS TMAC DWN CSG-TBG, 20 BBLS EACH, SCAN TBG OOH, 280 JTS 4.7# L-80 TBG, 263 JTS YB,8379.34', 16 JTS BB, 1 JT RB, 474.24' RD PRS RU CUTTERS, RIH TO 7610' GAUGE RING, POOH, PU BAKER CBP, RIH TO 7590' SET PLUG, POOH PU BAILER, BAIL 4 SX CEMENT ON CBP, POOH RD CUTTERS, SWIFN
5/11/2010	7:00 - 7:30	0.50	ABAND	48		P		CEMENTING
	7:30 - 12:00	4.50	ABAND	51		P		RIH WITH 154 JTS TBG TO 4875.92', RU PRO PETRO, CIRC BTM UP WITH 80 BBLS TMAC, PRESSURE TEST TO 500# FOR 5 MIN, PUMP 20 SX CLASS G CEMENT, 4 BBLS, 1.145 YIELD, 4.9GW/SX, DENISTY 15.8#, 23 CF, 1 BBL FRESH, 4 BBLS CEMENT, DISPLACE WITH 1 FRESH, 16.9 TMAC. POOH TBG , CALL FMC TO REMOVE WH, RDMO

API Well No: 43047401730000

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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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 921-27HT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401730000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6515 Ext

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2059 FNL 0593 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 09.0S Range: 21.0E 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
✓ SUBSEQUENT REPORT Date of Work Completion: 2/19/2011	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

This previously Temporarily abandoned well has returned to production. This well returned to production on 02/19/2011.

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Andy Lytle	720 929-6100	Regulatory Analyst
SIGNATURE N/A		**DATE** 3/4/2011

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT		Spud Date: 2/11/2009	
Project: UTAH-UINTAH	Site: NBU 921-27H PAD		Rig Name No: SWABBCO 6/6
Event: WELL WORK EXPENSE	Start Date: 2/15/2011		End Date:
Active Datum: RKB @4,938.00ft (above Mean Sea Leve	UWI: SE/NE/0/9/N/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
2/17/2011	7:00 - 7:15	0.25	REE	48		P		JSA= MOVE EQUIP
	7:15 - 17:00	9.75	REE	30		P		MOVR RIG & EQUIP FROM NBU 259 TO NBU 921-27HT SPOT RIG & EQUIP RU RIG ND WELLHEAD NU BOPS RU FLOOR & TUBING EQUIP PU 3-7/8" ROCK BIT TALLEY & PU TUBING RIH TAG CEM @ 4656' RU PWR SWVL & DRILLING HEAD EST CIRC D/O TO 4909' FELL THRU CEMENT CIRC CLEAN RD PWR SWVL POOH 10 JNTS EOT @ 4600' SDFN
2/18/2011	7:00 - 7:15	0.25	COMP	48		P		FSA= FOAMING
	7:15 - 15:00	7.75	COMP	30		P		O PSI ON WELL EOT @ 4600' RIH TALLY & PU TUBING TAG @ 7540' RU FOAMER EST CIRC D/O CEMENT & CBP @ 7573' WELL PRESS INCREASED TO 2300 PSI SHUT DOWN FOAMER PUMPW/ RIG PUMP CALL CDC TO OPEN WELL TO SALES CONTINUE TO PUMP TMAC W/ RIG PUMP TO KILL TUBING TO GET PWR SWVL OFF TUBING NU WELL TO SALES LINE TURN WELL OVER TO PRODUCTION TO SALE WELL DOWN OVER WEEKEND PRODUCTION COULDNT GET SEPERATOR OPERATING SWIFW
2/21/2011	7:00 - 7:15	0.25	COMP	48		P		JSA= PRESS CONTROL
	7:15 - 18:00	10.75	COMP	30		P		EOT @ 7620' WELL PRESS= 1600 PSI OPEN WELL TO PIT BLOW DWN PRESS, RU & PUMP 30 BBLS TMAC DWN TUBING TO CONTROL WELL RIH W/ 65 MORE JNTS OF TUBING TAG SOLID @ 9690' POOH LD 26 JNTS, POOH W/ BIT STOPING TO CONTROL WELL W/ TMAC LD BHA PU NOTCHED 1.87XN NPL RIH LAND TUBING ON HANGER W/ 281 JNTS OF 2-3/8" L-80 EOT @ 8870.51' RIH TO XN W/ 1.901 BROACH RD FLOOR & TUBING EQUIP ND BOPS NU WELLHEAD SIW PREP TO RD IN AM SDFN

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

FORM 9

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.

5.LEASE DESIGNATION AND SERIAL NUMBER: UO-1194-AST

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 921-27HT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401730000

3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779

PHONE NUMBER: 720 929-6526

9. FIELD and POOL or WILDCAT: NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 2059 FNL 0593 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 09.0S Range: 21.0E 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		
✓ NOTICE OF INTENT Approximate date work will start: 1/21/2014	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
☐ SPUD REPORT Date of Spud:	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	✓ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
☐ DRILLING REPORT Report Date:	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

The operator requests authorization to recomplete the subject well in the Wasatch/Mesaverde formation. Please see the attached procedure. Thank you

Approved by the Utah Division of Oil, Gas and Mining

Date: January 21, 2014

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Matthew P Wold	720 929-6993	Regulatory Analyst I
SIGNATURE N/A		**DATE** 1/21/2014

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Greater Natural Buttes Unit

NBU 921-27HT
RE-COMPLETIONS PROCEDURE
NBU 921-27H PAD
FIELD ID: RED WELL

DATE: 1/15/2014
AFE#:
API#: 4304740173
USER ID: **SNT239** (Frac Invoices Only)

COMPLETIONS ENGINEER: **Trisha Phillips, Denver, CO**
(720) 929-6211 (Office)
(303) 919-9987 (Cell)

REMEMBER SAFETY FIRST!

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Name: **NBU 921-27HT**
Location: **SENE Sec 27 T9S R21E**
LAT: 40.008648 **LONG:** --109.530524 **COORDINATE:** NAD83 *(Surface Location)*
Uintah County, UT
Date: **01/15/2014**

ELEVATIONS: 4,920' GL 4,938' KB *Frac Registry TVD: 9,804'*

TOTAL DEPTH: 9,808' **PBTD:** 9,755'
SURFACE CASING: 8 5/8", 28# J-55 LTC @ 2,441'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LTC @ 9,289'
4 1/2", 11.6#, HCP-110 LTC @ 9,799'
Marker Joint **4,977-4,998**'

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl./ft)	(gal/ft)
2 3/8" 4.7# L-80 tbg	11,200	11,780	1.901"	0.00387	0.1624
4 ½" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
4 ½" 11.6# P-110	10691	7580	3.875"	0.0155	0.6528
2 3/8" by 4 ½" Annulus				0.0101	0.4227

TOPS: **BOTTOMS:**

1,489' Green River Top
1,686' Bird's Nest Top
2,292' Mahogany Top
4,799' Wasatch Top 7,639' Wasatch Bottom
7,639' Mesaverde Top 9,808' Mesaverde Bottom (TD)
*Based on latest geological interpretation

T.O.C. @ 414'
**Based on latest interpretation of CBL

GENERAL NOTES:

- **Please note that:**
  - **All stages on this procedure may or may not be completed due to low frac gradients, timing, or other possible reasons. Total stages completed can be found in the post-job-report.**
  - **CBP depth on this procedure is only to be used as a reference. This depth is subject to change as per field operations and the discretion of the wireline supervisor and field foreman.**
- A minimum of **12** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Cutter's GRlog dated **9/22/2009.**
- **5** fracturing stages required for coverage.
- Hydraulic isolation estimated at **1010** based upon Cutter's CBL dated 9/22/2009.
- Procedure calls for **6** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.

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- **Pump scale inhibitor at 0.5 gpt. Remember to pre-load the casing with scale inhibitor.**
- FR will be pumped at 0.3 gpt for this well. This concentration will be raised or lowered on the job at the discretion of the APC foreman per the well's treating pressure.
- 30/50 mesh Ottawa sand, **Slickwater frac**.
- Maximum surface pressure **6200 psi**.
- **If casing pressure test fails (pressure loss of 1.5% psi or more), retest for 15 minutes. If pressure loss of 1.5% more on second test, notify Denver engineers. Record in Openwells. MIRU with tubing and packer. Isolate leak by pressure testing above and below the packer. RIH and set appropriate casing leak remediation. Re-pressure test to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes (specific details on remediation should be documented in OpenWells).**
- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- Call flush at 0 PPG @ inline densiometers. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.
- Max Sand Concentration: Wasatch 2 ppg;
- If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing – design will over flush stage by 5 bbls (from top perf)
- **TIGHT SPACING ON STAGE 4**
- **If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work**

Existing Perforations:

PERFORATIONS

Formation	Zone	Top	Btm	spf	Shots	Date
MESA VERDE		7662	7668	4	24	11/16/2009
MESA VERDE		7694	7698	4	16	11/16/2009
MESA VERDE		7894	7896	4	8	11/16/2009
MESA VERDE		7930	7932	4	8	11/16/2009
MESA VERDE		8012	8014	3	6	11/16/2009
MESA VERDE		8070	8072	3	6	11/16/2009
MESA VERDE		8122	8126	3	12	11/16/2009
MESA VERDE		8220	8224	3	12	11/16/2009
MESA VERDE		8256	8258	4	8	11/16/2009
MESA VERDE		8334	8336	4	8	11/16/2009
MESA VERDE		8366	8370	3	12	11/16/2009
MESA VERDE		8498	8500	3	6	11/16/2009
MESA VERDE		8522	8524	3	6	11/16/2009
MESA VERDE		8572	8574	4	8	11/16/2009
MESA VERDE		8660	8662	4	8	11/16/2009
MESA VERDE		8770	8774	3	12	11/16/2009
MESA VERDE		8912	8916	3	12	11/16/2009
MESA VERDE		8970	8974	3	12	11/16/2009
MESA VERDE		9076	9082	3	18	11/16/2009
MESA VERDE		9330	9334	3	12	11/13/2009
MESA VERDE		9366	9368	3	6	11/13/2009
MESA VERDE		9486	9488	3	6	11/13/2009
MESA VERDE		9598	9602	3	12	11/13/2009

Comments:

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Relevant History:

11/16/2009: Originally completed in Mesaverde formation (6 stages) with ~ 353,212 gallons of Slickwater, 297,309lbs of 30/50 Ottawa Sand sand and 30000 lbs of 20/40 Resin coated sand.

5/11/2010: Set CIBP at 7590' bailed cement and replaced wellhead.

2/21/2011: Drilled out CIBP.

6/18/2013: Last slickline report:

Traveled to location rigged up ran jdc set down @ 8872 came out with a viper plunger ran jdc set down @ 8872 jarred on spring came out with a titanium spring ran td set down @ 9661 came out ran scratcher out the tubing came out ran 1.9 broach set down @ 8872 came out tubing was clean spring and plunger looks good drop and chase titanium spring and a viper plunger to btm came out rigged down traveled to the next location

2/21/2011: Tubing Currently Landed @~8870.5'

H2S History:

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Monthly Production Data

Location Name	WINS No. (wel...	Production Date	Gas (avg mcf/...	Water (avg bb...	Oil (avg bbl/day)	Avg. BOE/day	LGR (bbl/Mmcf)	Max H2S Sep.	Separator H2.	Tank H2S (lbs)	Production.
NBU 921-27HT	18101	1/31/2010	948.55	50.32	6.39	164.48	59.79	1.00	0.08	0.00	2010
NBU 921-27HT	18101	2/28/2010	792.64	41.89	5.43	137.54	59.70				2010
NBU 921-27HT	18101	3/31/2010	746.55	38.97	4.84	129.26	58.68	0.00	0.00	0.00	2010
NBU 921-27HT	18101	4/30/2010	658.30	26.10	3.77	113.48	45.37	0.00	0.00	0.00	2010
NBU 921-27HT	18101	5/31/2010	183.71	11.10	1.39	32.01	67.95				2010
NBU 921-27HT	18101	6/30/2010	0.00	0.00	0.00	0.00					2010
NBU 921-27HT	18101	7/31/2010	0.00	0.00	0.00	0.00					2010
NBU 921-27HT	18101	8/31/2010	0.00	0.00	0.00	0.00					2010
NBU 921-27HT	18101	9/30/2010	0.00	0.00	0.00	0.00					2010
NBU 921-27HT	18101	10/31/2010	0.00	0.00	0.00	0.00					2010
NBU 921-27HT	18101	11/30/2010	0.00	0.00	0.00	0.00					2010
NBU 921-27HT	18101	12/31/2010	0.00	34.45	0.00	0.00					2010
NBU 921-27HT	18101	1/31/2011	0.00	0.00	0.00	0.00					2011
NBU 921-27HT	18101	2/28/2011	642.71	13.75	4.57	111.69	28.51				2011
NBU 921-27HT	18101	3/31/2011	831.00	40.42	7.13	145.63	57.22	0.00	0.00	0.00	2011
NBU 921-27HT	18101	4/30/2011	539.93	40.43	8.00	97.99	89.70				2011
NBU 921-27HT	18101	5/31/2011	412.32	40.42	6.84	75.56	114.61	0.00	0.00	0.00	2011
NBU 921-27HT	18101	6/30/2011	362.93	40.43	6.70	67.19	129.87				2011
NBU 921-27HT	18101	7/31/2011	333.71	39.77	5.71	61.33	136.30				2011
NBU 921-27HT	18101	8/31/2011	321.00	25.03	11.16	64.66	112.75				2011
NBU 921-27HT	18101	9/30/2011	305.43	23.97	10.00	60.91	111.21				2011
NBU 921-27HT	18101	10/31/2011	303.61	23.42	0.00	50.60	77.14				2011
NBU 921-27HT	18101	11/30/2011	293.13	24.00	0.00	48.86	81.87				2011
NBU 921-27HT	18101	12/31/2011	281.29	23.61	0.00	46.88	83.94				2011
NBU 921-27HT	18101	1/31/2012	270.71	24.00	0.00	45.12	88.66				2012
NBU 921-27HT	18101	2/29/2012	259.52	24.00	0.00	43.25	92.48				2012
NBU 921-27HT	18101	3/31/2012	253.58	24.00	0.00	42.26	94.64				2012
NBU 921-27HT	18101	4/30/2012	243.90	24.00	0.00	40.65	98.40	2.00	0.04	0.00	2012
NBU 921-27HT	18101	5/31/2012	235.84	24.00	0.00	39.31	101.76	0.00	0.00	0.00	2012
NBU 921-27HT	18101	6/30/2012	232.27	24.00	0.00	38.71	103.33				2012
NBU 921-27HT	18101	7/31/2012	199.32	21.42	0.00	33.22	107.46				2012
NBU 921-27HT	18101	8/31/2012	219.32	22.19	0.00	36.55	101.19				2012
NBU 921-27HT	18101	9/30/2012	202.37	23.77	0.00	33.73	117.44				2012
NBU 921-27HT	18101	10/31/2012	241.39	23.52	0.00	40.23	97.42				2012
NBU 921-27HT	18101	11/30/2012	233.40	24.00	0.00	38.90	102.83				2012
NBU 921-27HT	18101	12/31/2012	223.90	24.00	0.00	37.32	107.19				2012
NBU 921-27HT	18101	1/31/2013	201.26	2.58	0.00	33.54	12.82				2013
NBU 921-27HT	18101	2/28/2013	220.89	2.86	0.00	36.82	12.93	0.00	0.00	0.00	2013
NBU 921-27HT	18101	3/31/2013	204.45	2.97	0.00	34.08	14.52				2013
NBU 921-27HT	18101	4/30/2013	209.57	3.33	0.00	34.93	15.91				2013
NBU 921-27HT	18101	5/31/2013	198.55	3.06	0.29	33.38	16.90				2013
NBU 921-27HT	18101	6/30/2013	188.77	2.93	0.30	31.76	17.13				2013
NBU 921-27HT	18101	7/31/2013	184.19	2.90	0.29	30.99	17.34				2013
NBU 921-27HT	18101	8/31/2013	183.13	3.00	0.29	30.81	17.97				2013
NBU 921-27HT	18101	9/30/2013	178.83	4.17	0.50	30.31	26.10				2013
NBU 921-27HT	18101	10/31/2013	176.55	6.61	1.19	30.62	44.22				2013
NBU 921-27HT	18101	11/30/2013	173.87	6.67	1.23	30.21	45.44				2013
NBU 921-27HT	18101	12/31/2013	168.55	7.26	1.13	29.22	49.76				2013

PROCEDURE: (If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work.)

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.

2. The tubing is below the proposed CBP depth. TOOH with 2-3/8", 4.7#, L-80 tubing. Visually inspect for scale and consider replacing if needed.

3. If tbg looks ok consider running a gauge ring to 7667 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7667 (50' below proposed CBP).

4. Set 8000 psi CBP at ~ 7617'. ND BOPs and NU frac valves Test frac valves and casing to to **6200 psi** for 15 minutes; if pressure test fails contact Denver engineer and see notes above. **Lock OPEN the Braden head valve**. Flow from annulus will be visually monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.

5. Pressure test frac lines to max surface pressure + 1000 psi for 15 minutes. Pressure loss should be less than 10% to be considered acceptable. Check and correct for existing leaks.

6. Perf the following with 3-1/8" gun, 19 gm, 0.40hole:

Zone	From	To	spf	# of shots
WASATCH	7521	7525	3	12

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WASATCH	7583	7587	3	12

7. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7521' and trickle 250gal 15%HCL w/ scale inhibitor in flush .

8. Set 8000 psi CBP at ~7420'. Perf the following 3-1/8" gun, 19 gm, 0.40"hole:

Zone	From	To	spf	# of shots
WASATCH	7253	7254	3	3
WASATCH	7293	7294	3	3
WASATCH	7323	7324	3	3
WASATCH	7343	7344	3	3
WASATCH	7361	7362	3	3
WASATCH	7373	7374	3	3
WASATCH	7388	7390	3	6

9. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7253' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

10. Set 8000 psi CBP at ~7166'. Perf the following with 3-1/8" gun, 19 gm, 0.40 hole:

Zone	From	To	spf	# of shots
WASATCH	6872	6873	3	3
WASATCH	6930	6931	3	3
WASATCH	7028	7030	3	6
WASATCH	7039	7041	3	6
WASATCH	7134	7136	3	6

11. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~6872' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

12. Set 8000 psi CBP at ~6744'. Perf the following with 3-1/8" gun, 19 gm, 0.40 hole:

Zone	From	To	spf	# of shots
WASATCH	6574	6576	3	6
WASATCH	6630	6632	3	6
WASATCH	6690	6692	3	6
WASATCH	6712	6714	3	6

13. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~6574' and trickle 250gal 15%HCL w/ scale inhibitor in flush.

14. Set 8000 psi CBP at ~6261'. Perf the following with 3-1/8" gun, 19 gm, 0.40 hole:

Zone	From	To	spf	# of shots
WASATCH	6166	6168	3	6
WASATCH	6212	6215	3	9
WASATCH	6228	6231	3	9

15. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 5 on attached listing. Under-displace to ~6166' andflush only with recycled water.

16. Set 8000 psi CBP at~6116'.

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17. ND Frac Valves, NU and Test BOPs.

18. TIH with 3 7/8" bit, pump off sub, SN and tubing.

19. Drill 5 plugs and clean out to a depth of 7607' (~ 20' below bottom perfs).

20. Shift pump open bit sub and land tubing at 7491'. Flow back completion load. RDMO.

21. MIRU, POOH tbg and POBS. TIH with POBS.

22. Drill last plug @ 7617' clean out to PBTD at 9755'. Shear off bit and land tubing at ±8870.5'. This well WILL be commingled at this time. **NOTE: If the CBP between the initial completion and the recompleted sands has been in the well for more than 30 calendar days from the beginning of flowback for the recompletion, a sundry will need to be filed with the state. Contact the Regulatory group to file the sundry prior to commencing work.**

23. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.

24. **Leave surface casing valve open**. Monitor and report any flow from surface casing. RDMO

Completion Engineer

Trisha Phillips 936/919-9987, 720/929-6211

Production Engineer

Mickey Doherty: 406/491-7294, 435/781-9740

Ronald Trigo: 352/213-6630, 435/781-7037

Heath Pottmeyer: 740/525-3445, 435/781-9789

Anqi Yang: 435/828-6505, 435/781-7015

Completion Supervisor Foreman

Jeff Samuels: 435/828-6515, 435/781-7046

Completion Manager

Jeff Dufresne: 720/929-6281, 303/241-8428

Vernal Main Office

435/789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

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Acid Pickling and H2S Procedures (If Required)

**PROCEDURE FOR PUMPING ACID DOWN TBG

WHEN FINDING SCALE IN TUBING THAT IS ACID SOLUBLE, ENSURE THAT PLUNGER EQUIPMENT IS REMOVED AND ABLE TO PUMP DOWN TBG. INSTALL A 'T' IN PUMP LINE W/2" VALVE THAT NALCO CAN TIE INTO. HAVE 60 BBLS 2% KCL MIXED W/ 10-15 GAL H2S SCAVENGER IN RIG FLAT TANK. (WE USED THE RIG FLAT TANK FOR MIXING CHEMICAL SO WE DIDN'T HAVE THE CHEMICAL IN ALL FLUIDS ON LOCATION, ONLY WHAT WE NEEDED TO PUMP DOWN HOLE)

1. PUMP 5-10 BBLS 2% KCL DOWN TBG (NALCO CANNOT PUMP AGAINST PRESSURE)
2. NALCO WILL PUMP 3 DRUMS HCL (31%) INTO PUMP LINE.
3. FLUSH BEHIND ACID WITH 10-15 BBL 2% KCL
4. PUMP 2—30 BBL 2% W/ H2S SCAVENGER DOWN TBG.
5. PUMP REMAINDER OF 2% W/ H2S SCAVENGER DOWN CASING AND SHUT WELL IN FOR MINIMUM OF 2 HRS.
6. OVER DISPLACE DOWN TBG AND CSG TO FLUSH ACID AND SCAVENGER INTO FORMATION
7. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID

PRIOR TO RIG MOVING ON OR AS RIG PULLS ONTO LOCATION. TEST CASING, TUBING AND SEPARATOR FOR H2S. IF FOUND MAKE SURE THAT PLUNGER SYSTEM IS REMOVED (IT IS POSSIBLE TO PUMP AROUND PLUNGERS BUT SOME WILL HAVE A STANDING VALVE IN SEATING NIPPLE).

1. MIX 10-15 GAL H2S SCAVENGER WITH 60-100 BBL 2% KCL IN RIG FLAT TANK.
2. PUMP 25 BBLS MIXTURE DOWN TUBING AND REST DOWN CASING. SHUT WELL IN FOR 2 HOURS.
3. IF WELL HAS PRESSURE AFTER 2 HOURS – RETEST CASING AND TUBING FOR H2S.
4. FLUSH TUBING AND CASING PUSHING H2S SCAVENGER INTO FORMATION.
5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

** As per APC standard operating procedure, APC foreman will verify ALL volumes pumped and record on APC Volume Report Form

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Name NBU 921-27HT
Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes		Fracture Coverage		
		Top, ft	Bottom, ft						
1	WASATCH	7521	7525	3	12		7510.5	to	7594
	WASATCH	7583	7587	3	12				
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	7,420	
2	WASATCH	7253	7254	3	3		7250	to	7393
	WASATCH	7293	7294	3	3				
	WASATCH	7323	7324	3	3				
	WASATCH	7343	7344	3	3				
	WASATCH	7361	7362	3	3				
	WASATCH	7373	7374	3	3				
	WASATCH	7388	7390	3	6				
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	7,166	
3	WASATCH	6872	6873	3	3		6869	to	7141
	WASATCH	6930	6931	3	3				
	WASATCH	7028	7030	3	6				
	WASATCH	7039	7041	3	6				
	WASATCH	7134	7136	3	6				
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	6,744	
4	WASATCH	6574	6576	3	6		6572	to	6715
	WASATCH	6630	6632	3	6				
	WASATCH	6690	6692	3	6				
	WASATCH	6712	6714	3	6				
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	6,261	
5	WASATCH	6166	6168	3	6		6164	to	6233
	WASATCH	6212	6215	3	9				
	WASATCH	6228	6231	3	9				
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	WASATCH								
	# of Perfs/stage				24		CBP DEPTH	6,116	
	Totals				120		Total Pay		220.0

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Fracturing Schedules

Name NBU 921-27HT

Slickwater Frac

Copy to new book

Casing Size	4.5
Recomplete?	Y
Pad?	Y
ACTS?	Y
Days on Pad?	2
Wells on Pad?	4

Swabbing Days	3
Production Log	0
DFIT	0
GR only	Y
Low Scale	Y
Clay Stab.	N

Enter Number of swabbing days here for recompletes
Enter 1 if running a Production Log
Enter Number of DFITs
Enter Y if only Gamma Ray log was run
Enter Y if a LOW concentration of Scale Inhibitor will be pumped
Enter N if there will be NO Clay stabilizer

Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
1	WASATCH	7521	7525	3	12	Varied	Pre-Pad & Pump-in test			Slickwater		4,910	117	117						2
	WASATCH	7583	7587	3	12	0	ISIP and 5 min ISIP													
	WASATCH					50	Slickwater Pad			Slickwater	4,680	9,590	111	228	15.0%	0.0%	0	0		2
	WASATCH					50	Slickwater Ramp	0.25	1	Slickwater	15,600	25,190	371	600	50.0%	37.3%	9,750	9,750	0	8
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	10,920	36,110	260	860	35.0%	62.7%	16,380	26,130		5
	WASATCH					50	Flush (4-1/2)			Slickwater	4,910	41,019	117	977				26,130		2
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH											41,019	117	977				26,130		0
	WASATCH																			0
	WASATCH																			21
	WASATCH																			
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		31,200								
			# of Perfs/stage		24	19.5	<< Above pump time (min)							Flush depth	7,521	gal/ft	800	670	lbs sand/ft 101	
2	WASATCH	7253	7254	3	3	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	7293	7294	3	3	0	ISIP and 5 min ISIP													
	WASATCH	7323	7324	3	3	50	Slickwater Pad			Slickwater	7,980	7,980	190	190	15.0%	0.0%	0	0		4
	WASATCH	7343	7344	3	3	50	Slickwater Ramp	0.25	1	Slickwater	26,600	34,580	633	823	50.0%	37.3%	16,625	16,625		13
	WASATCH	7361	7362	3	3	50	Slickwater Ramp	1	2	Slickwater	18,620	53,200	443	1,267	35.0%	62.7%	27,930	44,555		9
	WASATCH	7373	7374	3	3	50	Flush (4-1/2)			Slickwater	4,735	57,935	113	1,379				44,555		2
	WASATCH	7388	7390	3	6		ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH											57,935	113	1,379				44,555		0
	WASATCH																			0
	WASATCH																			29
	WASATCH																			
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		53,200								
			# of Perfs/stage		24	27.6	<< Above pump time (min)							Flush depth	7,253	gal/ft	800	670	lbs sand/ft 87	
3	WASATCH	6872	6873	3	3	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	6930	6931	3	3	0	ISIP and 5 min ISIP													
	WASATCH	7028	7030	3	6	50	Slickwater Pad			Slickwater	5,400	5,400	129	129	15.0%	0.0%	0	0		3
	WASATCH	7039	7041	3	6	50	Slickwater Ramp	0.25	1	Slickwater	18,000	23,400	429	557	50.0%	37.3%	11,250	11,250		9
	WASATCH	7134	7136	3	6	50	Slickwater Ramp	1	2	Slickwater	12,600	36,000	300	857	35.0%	62.7%	18,900	30,150		6
	WASATCH					50	Flush (4-1/2)			Slickwater	4,486	40,486	107	964				30,150		2
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																			0
	WASATCH											40,486	107	964				30,150		0
	WASATCH																			20
	WASATCH																			
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		36,000								
			# of Perfs/stage		24	19.3	<< Above pump time (min)							Flush depth	6,872	gal/ft	800	670	lbs sand/ft 128	
														Flush depth	6,744	gal/ft	800	670	lbs sand/ft	

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Stage	Zone	Perfs Top, ft.	Perfs Bot., ft	SPF	Holes	Rate BPM	Fluid Type	Initial ppg	Final ppg	Fluid	Volume gals	Cum Vol gals	Volume BBLs	Cum Vol BBLs	Fluid % of frac	Sand % of frac	Sand lbs	Cum. Sand lbs	Footage from CBP to Flush	Scale Inhib., gal.
						19.3	<< Above pump time (min)													
4	WASATCH	6574	6576	3	6	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	6630	6632	3	6	0	ISIP and 5 min ISIP													
	WASATCH	6690	6692	3	6	50	Slickwater Pad			Slickwater	5,640	5,640	134	134	15.0%	0.0%	0	0		3
	WASATCH	6712	6714	3	6	50	Slickwater Ramp	0.25	1	Slickwater	18,800	24,440	448	582	50.0%	37.3%	11,750	11,750		9
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	13,160	37,600	313	895	35.0%	62.7%	19,740	31,490		7
	WASATCH					50	Flush (4-1/2)			Slickwater	4,292	41,892	102	997				31,490		2
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	31,490		0
	WASATCH											41,892	102	997						0
	WASATCH																			21
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		37,600								
																gal/ft	800	670	lbs sand/ft	
			# of Perfs/stage		24									Flush depth	6,574		CBP depth	6,261	313	
						19.9	<< Above pump time (min)													
5	WASATCH	6166	6168	3	6	Varied	Pump-in test			Slickwater		0	0	0						
	WASATCH	6212	6215	3	9	0	ISIP and 5 min ISIP													
	WASATCH	6228	6231	3	9	50	Slickwater Pad			Slickwater	3,146	3,146	75	75	15.0%	0.0%	0	0		2
	WASATCH					50	Slickwater Ramp	0.25	1	Slickwater	10,487	13,634	250	325	50.0%	37.3%	6,555	6,555		5
	WASATCH					50	Slickwater Ramp	1	2	Slickwater	7,341	20,975	175	499	35.0%	62.7%	11,012	17,566		4
	WASATCH					50	Flush (4-1/2)			Slickwater	4,025	25,000	96	595				17,566		0
	WASATCH						ISDP and 5 min ISDP			Slickwater										0
	WASATCH																			0
	WASATCH																	17,566		0
	WASATCH											25,000	96	595						0
	WASATCH																			10
	WASATCH																			
	WASATCH																			
	WASATCH									Sand laden Volume		20,975								
																gal/ft	932	781	lbs sand/ft	
			# of Perfs/stage		24									Flush depth	6,166		CBP depth	6,116	50	
						11.9	<< Above pump time (min)													
	Totals				120						Total Fluid	206,332	gals	4,913	bbls		Total Sand	149,891		
												4,913	bbls							
						1.6								10.9	tanks				Total Scale Inhib. =	101

Total Stages 5 stages
Last Stage Flush 4,025 gals

Service Company Supplied Chemicals - Job Totals

Friction Reducer	61	gals @	0.3	GPT
Surfactant	152	gals @	0.75	GPT
Clay Stabilizer	0	gals @	0.0	GPT
15% Hcl	1250	gals @	250	gal/stg
Iron Control for acid	6	gals @	5.0	GPT of acid
Surfactant for acid	3	gals @	2.0	GPT of acid
Corrosion Inhibitor for acid	8	gals @	6.0	GPT of acid

Third Party Supplied Chemicals Job Totals - Include Pumping Charge if Applicable

Scale Inhibitor	101	gals pumped	0.5	GPT (see sc
Biocide	61	gals @	0.3	GPT

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

FORM 9

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.

5.LEASE DESIGNATION AND SERIAL NUMBER: UO-1194-AST

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 921-27HT

2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.

9. API NUMBER: 43047401730000

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: 2059 FNL 0593 FEL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 27 Township: 09.0S Range: 21.0E 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		
☐ NOTICE OF INTENT Approximate date work will start:	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
✓ DRILLING REPORT Report Date: 2/21/2014	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	✓ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER:

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

THE SUBJECT WELL WAS RETURNED TO PRODUCTION AFTER RECOMPLETION ON 2/21/2014. THE CHRONOLOGICAL WELL HISTORY WILL BE SUBMITTED WITH THE WELL COMPLETION REPORT.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY
February 28, 2014

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Teena Paulo	720 929-6236	Staff Regulatory Specialist
SIGNATURE		**DATE**
N/A		2/28/2014

API Well Number: 43047401730000

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

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1194A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT or CA AGREEMENT NAME: UTU63047A
8. WELL NAME and NUMBER: NBU 921-27HT
9. API NUMBER: 4304740173
10 FIELD AND POOL, OR WILDCAT: NATURAL BUTTES

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER

b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☑ OTHER RECOMPLETION

2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.

3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217
PHONE NUMBER: (720) 929-6000

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: SENE 2059 FNL, 593 FEL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 27 9S 21E S
12. COUNTY: UINTAH
13. STATE: UTAH

14. DATE SPUDDED: 2/11/2009
15. DATE T.D. REACHED: 3/18/2009
16. DATE COMPLETED: 2/21/2014 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): 4938 RKB

18. TOTAL DEPTH: MD 9,808 TVD
19. PLUG BACK T.D.: MD 9,703 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
GR/CBL-HDIL/ZDL/CN

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7		40		28			
12 1/4"	9 5/8" J-55	36#		2,440		625		0	
7 7/8"	4 1/2" I-80	11.6#		9,799		1,680		414	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,879							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) WASATCH	6,166	7,587		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
6,166 7,587	0.36	120	Open ☑ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐
			Open ☐ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6166-7587	PUMP 5,162 BBLS SLICK H2O & 150,252 LBS 30/50 MESH SAND
	5 STAGES

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS: PROD

(5/2000)

(CONTINUED ON BACK)

RECEIVED: Mar. 20, 2014

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
2/21/2014	3/7/2014	24		0	385	0	FLOWING

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
40/64	85	630					0	385	0	PROD

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. 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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.

34. FORMATION (Log) MARKERS:

Name	Top (Measured Depth)
GREEN RIVER	1,489
BIRD'S NEST	1,686
MAHOGANY	2,292
WASATCH	4,799
MESAVERDE	7,639

35. ADDITIONAL REMARKS (Include plugging procedure)

Well was originally completed in the Mesaverde from 7662-9602. An Iso plug was set at 7617 and the Wasatch was recompleted from 6166-7587. The iso plug was drilled out on 3/3/14 and the well is producing from commingled Wasatch and Mesaverde formations.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) KAY KELLY TITLE SR. STAFF REGULATORY SPECIALIST

SIGNATURE Kay Kelly DATE 3-20-2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

(5/2000)

RECEIVED: Mar. 20, 2014

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT RED		Spud Date: 2/11/2009	
Project: UTAH-UINTAH	Site: NBU 921-27H PAD		Rig Name No: SWABBCO 10/10, SWABBCO 6/6
Event: RECOMPL/RESEREVEADD	Start Date: 2/6/2014		End Date: 3/4/2014
Active Datum: RKB @4,938.00usft (above Mean Sea Level)	UWI: SE/NE/0/9/S/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/13/2014	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY = JSA.
	7:15 - 16:00	8.75	SUBSPR	31	I	P		CP= 100#. TP= 100#. RDMO NBU 921-27H1BS. MIRU. BLOW DOWN WELL. CNTRL TBNG W/ 30BBLS TMAC. NDWH. NUBOP. R/U FLOOR & TBNG EQUIP. UN-LAND WELL. MIRU SCANNERS. POOH WHILE SCANNING 281JTS 2-3/8" L-80 TBNG. L/D ALL TBNG. SCAN RESULTS AS FOLLOWS: 126 JTS 2-3/8" L-80 Y-BND. 83 JTS 2-3/8" L-80 B-BND. 72JTS 2-3/8" L-80 R-BND. MOST BAD JTS DUE TO DAMAGED PINS (PITTING & WALL LOSS). WORST INTERVAL FROM JT # 24 TO JT #53. LIGHT INTERNAL SCALE THRU ENTIRE STRING. JTS FROM #262-281HAD PITTING & WALL LOSS W/ MODERATE INTERNAL SCALE. RDMO SCANNERS. ALL GOOD TBNG SENT TO SAMUELS YARD FOR DRIFT & RATTLE. ALL BAD TBNG ALSO SENT TO SAMUELS YARD.
	16:00 - 17:30	1.50	SUBSPR	34	I	P		MIRU WIRELINE. P/U & RIH W/ 3.70" GR-JB TO 7660'. POOH & L/D GR-JB. P/U & RIH W/ HAL 4-1/2" 10K CBP. SET CBP @7617'. POOH W/ TOOLS. RDMO WIRELINE. LOAD CSNG W/ 80 BBLS TMAC. SWIFN.
2/14/2014	7:00 - 7:15	0.25	SUBSPR	48		P		SAFETY = JSA.
	7:15 - 8:30	1.25	SUBSPR	30		P		0# ON WELL. NDBOP. NUFV. LOAD CSG W/ 2BBLS TMAC. RDMOL.
	8:30 - 12:30	4.00	SUBSPR	52	A	P		FILL SURFACE CSG. MIRU CAMERON QUICK TEST. PRESSURE TEST CSG & FRAC VALVES 1ST PSI TEST T/ 6247 PSI. HELD FOR 15 MIN LOST -36 PSI. NO COMMUNICATION OR MIGRATION WITH SURFACE CSG BLEED OFF PSI. PRESSURE TEST 8 5/8 X 4 1/2 TO 502 PSI HELD FOR 5 MIN LOST -39 PSI, BLED PSI OFF, REINSTALLED POP OFF SWIFN NO PRESSURE ON SURFACE CASING FILLED SURFACE WITH 1/2 BBL H2O
	12:30 - 15:00	2.50	SUBSPR	34	H	P		PERF STG 1)PU 3 1/8 EXP GUN, 19 GM, .40 HOLE SIZE. RIH PERFWELL, AS PER PERF DESIGN. POOH. SWIFW
2/18/2014	7:00 - 7:15	0.25	FRAC	48		P		HSM-JSA
	7:15 - 8:35	1.33	FRAC	36	H	P		FRAC STG #1) WHP 206 PSI, BRK 3935 PSI @ 4 BPM. ISIP 1923 PSI, FG. 0.69 ISIP 2935 PSI, FG. 0.83, NPI 1012 PSI, X/O TO WL.
	8:35 - 9:55	1.33	FRAC	46	E	Z		LAY DOWN WIRELINE LUBRICATOR & REPLACE O-RING

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT RED	Spud Date: 2/11/2009	
Project: UTAH-UINTAH	Site: NBU 921-27H PAD	Rig Name No: SWABBCO 10/10, SWABBCO 6/6
Event: RECOMPL/RESEREVEADD	Start Date: 2/6/2014	End Date: 3/4/2014
Active Datum: RKB @4,938.00usft (above Mean Sea Level)	UWI: SE/NE/0/9/S/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	9:55 - 18:00	8.08	FRAC	36	H	P		SET CBP & PERF STG #2 AS DESIGNED, X/O TO FRAC. FRAC STG #2) WHP 876 PSI, BRK 3923 PSI @ 5.6 BPM. ISIP 2928 PSI, FG. 0.84 ISIP 2863 PSI, FG. 0.83, NPI -65 PSI, X/O TO WL. SET CBP & PERF STG #3 AS DESIGNED, X/O TO FRAC. FRAC STG #3) WHP 1056 PSI, BRK 3359 PSI @ 5 BPM. ISIP 2460 PSI, FG. 0.79 ISIP 2229 PSI, FG. 0.76, NPI -231 PSI, SWI, SDFN.
2/19/2014	6:00 - 6:15	0.25	FRAC	48		P		HSM-JSA
	6:15 - 18:00	11.75	FRAC	36	H	P		SET CBP & PERF STG #4 AS DESIGNED, X/O TO FRAC. FRAC STG #4) WHP 313 PSI, BRK 4292 PSI @ 4 BPM. ISIP 2190 PSI, FG. 0.77 ISIP 1871 PSI, FG. 0.72, NPI -319 PSI, X/O TO WL. SET CBP & PERF STG #5 AS DESIGNED, X/O TO FRAC. FRAC STG #5) WHP 393 PSI, BRK 2660 PSI @ 4 BPM. ISIP 1575 PSI, FG. 0.69 ISIP 1688 PSI, FG. 0.71, NPI 113 PSI, X/O TO WL. SET KILL PLUG, RDMO WL & FRAC EQUIP. TOTAL CLN FLUID- 5162 BBLS TOTAL SAND- 150252 LBS
2/20/2014	7:00 - 7:30	0.50	DRLOUT	48		P		RDMO
	7:30 - 17:30	10.00	DRLOUT	44	C	P		RD MOVE TO LOC, WAIT FOR NABORS FRAC CREW TO LEAVE LOC, GRADE LOC FOR MUD-ROUGHNESS, MIRU, NDWH, NU BOP'S, HELP NU LARGE SEPERATOR.SDFN
2/21/2014	7:00 - 7:30	0.50	DRLOUT	48		P		MILLING
	7:30 - 17:00	9.50	DRLOUT	44	C	P		PU FLOW THRU VALVE, SN, TBG, TIH TO 6116' TAG KILL PLUG, MILL OUT 5 PLUGS, C/O TO 7603', POOH TO 7491', LAND TBG, ND BOP'S, NUWH, PUMP OPEN FLOW THRU VALVE, PUMP OPEN 1500# SDFN ISO PLUG 7617' C/O TO 7610' PLUG# 1 6116' 15' SAND 15 MIN 30# KICK PLUG# 2 6261' 25' SAND 12 MIN 30# KICK PLUG# 3 6744' 25' SAND 12 MIN 50# KICK PLUG# 4 7166' 60' SAND 12 MIN 50# KICK PLUG# 5 7420' 30' SAND 12 MIN 100# KICK LAND TBG EOT 7483' 236 JTS

US ROCKIES REGION

Operation Summary Report

Well: NBU 921-27HT RED		Spud Date: 2/11/2009	
Project: UTAH-UINTAH	Site: NBU 921-27H PAD		Rig Name No: SWABBCO 10/10, SWABBCO 6/6
Event: RECOMPL/RESEREVEADD	Start Date: 2/6/2014		End Date: 3/4/2014
Active Datum: RKB @4,938.00usft (above Mean Sea Level)	UWI: SE/NE/0/9/S/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
2/24/2014	7:00 - 9:00	2.00	DRLOUT	33	A	P		RU FOAM UNIT, BREAK CIRC TO BRING WELL AROUND, TURN TO PROD
3/3/2014	7:00 - 7:30	0.50	DRLOUT	48		P		MILLING
	7:30 - 17:30	10.00	DRLOUT	44	D	P		MIRU, BLOW DWN WELL, KILL WELL 20 BBLS TBG, 20 BBLS CSG, POOH TBG, PULL SLIDING SLEEVE, PU POBS, BIT, SN, TIH TAG ISO PLUG, RU FOAM UNIT, MILL ISO PLUG, CIRC WELL BORE CLEAN, SWIFN
3/4/2014	7:00 - 7:30	0.50	DRLOUT	48		P		POBS
	7:30 - 7:30	0.00	DRLOUT	44	C	P		129,TIH, CLEAN OUT TO PBTD, CIRC WELL CLEAN WITH FOAM UNIT, PULL UP TO 8878.80', BROACH TBG TO SN, LAND TBG, ND BOP'S, NUWH, POBS, TURN TO PROD,RDMO PBTD 9703' BTM PERF 9602' KB 18.00' HANGER .83' TBG 129 JTS L-80 4095.74' TBG PUP JT L-80 6.00' TBG 150 JTS J-55 4756.03' XN SN 1.875" 2.20' EOT 8878.80'

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 921-27HT RED	**Wellbore No.**	OH
Well Name	NBU 921-27HT	**Wellbore Name**	NBU 921-27HT
Report No.	1	**Report Date**	2/17/2014
Project	UTAH-UINTAH	**Site**	NBU 921-27H PAD
Rig Name/No.	SWABBCO 10/10	**Event**	RECOMPL/RESEREVEADD
Start Date	2/6/2014	**End Date**	3/4/2014
Spud Date	2/11/2009	**Active Datum**	RKB @4,938.00usft (above Mean Sea Level)
UWI	SE/NE/0/9/S/21/W/27/0/0/6/PM/N/2,059.00/E/0/593.00/0/0		

1.3 General

Contractor		**Job Method**		**Supervisor**	
Perforated Assembly	PRODUCTION CASING	**Conveyed Method**			

1.4 Initial Conditions

Fluid Type		**Fluid Density**	
Surface Press		**Estimate Res Press**	
TVD Fluid Top		**Fluid Head**	
Hydrostatic Press		**Press Difference**	
Balance Cond	NEUTRAL		

1.5 Summary

Gross Interval	6,166.0 (usft)-7,587.0 (usft	**Start Date/Time**	2/17/2014 12:00AM
No. of Intervals	21	**End Date/Time**	2/17/2014 12:00AM
Total Shots	120	**Net Perforation Interval**	40.00 (usft)
Avg Shot Density	3.00 (shot/ft)	**Final Surface Pressure**	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
2/17/2014 12:00AM	WASATCH/			6,166.0	6,168.0	3.00		0.360	EXP/5	3.375	120.00		23.00	PRODUCTION	

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-TS (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diameter (in)	Carr Type /Stage No	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
2/17/2014 12:00AM	WASATCH/			6,212.0	6,215.0	3.00		0.360	EXP/5	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			6,228.0	6,231.0	3.00		0.360	EXP/5	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			6,574.0	6,576.0	3.00		0.360	EXP/4	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			6,630.0	6,632.0	3.00		0.360	EXP/4	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			6,690.0	6,692.0	3.00		0.360	EXP/4	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			6,712.0	6,714.0	3.00		0.360	EXP/4	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			6,872.0	6,873.0	3.00		0.360	EXP/3	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			6,930.0	6,931.0	3.00		0.360	EXP/3	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,028.0	7,030.0	3.00		0.360	EXP/3	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,039.0	7,041.0	3.00		0.360	EXP/3	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,134.0	7,136.0	3.00		0.360	EXP/3	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,253.0	7,254.0	3.00		0.360	EXP/2	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,293.0	7,294.0	3.00		0.360	EXP/2	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,323.0	7,324.0	3.00		0.360	EXP/2	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,343.0	7,344.0	3.00		0.360	EXP/2	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,361.0	7,362.0	3.00		0.360	EXP/2	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,373.0	7,374.0	3.00		0.360	EXP/2	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,388.0	7,390.0	3.00		0.360	EXP/2	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,521.0	7,525.0	3.00		0.360	EXP/1	3.375	120.00		23.00	PRODUCTION	
2/17/2014 12:00AM	WASATCH/			7,583.0	7,587.0	3.00		0.360	EXP/1	3.375	120.00		23.00	PRODUCTION	

3 Plots