

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: ST UO 1194A	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: 891008900A	
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP				9. WELL NAME and NUMBER: NBU 921-27KT	
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) AT SURFACE: 1527' FSL & 1821' FWL LAT 40.004003 LON -109.540094 (NAD 27) AT PROPOSED PRODUCING ZONE: N/A				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 27 9S 21E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 15.9 miles east of Ouray, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1527'		16. NUMBER OF ACRES IN LEASE: 1292.39		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 20'		19. PROPOSED DEPTH: 9,900		20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5,013' GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: 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#	2,400	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#	9,900	Premium Lite II	470 sx	3.38	11.0
					50/50 Poz G	1500 sx	1.31	14.3

25. **ATTACHMENTS**

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

- | | |
|--|--|
| <input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER | <input checked="" type="checkbox"/> COMPLETE DRILLING PLAN |
| <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER | <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER |

NAME (PLEASE PRINT) Kevin McIntyre TITLE Regulatory Analyst I
SIGNATURE  DATE 6/30/2008

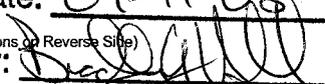
(This space for State use only)

API NUMBER ASSIGNED: 43-047-40170

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

APPROVAL:

Date: 09-11-08

By: 

RECEIVED

JUL 02 2008

DIV. OF OIL, GAS & MINING

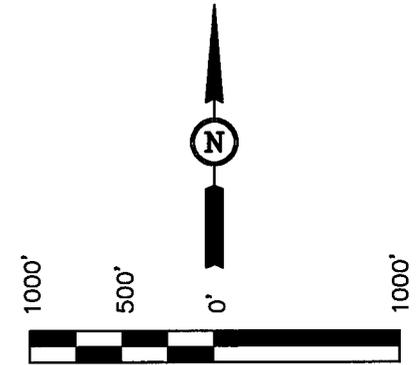
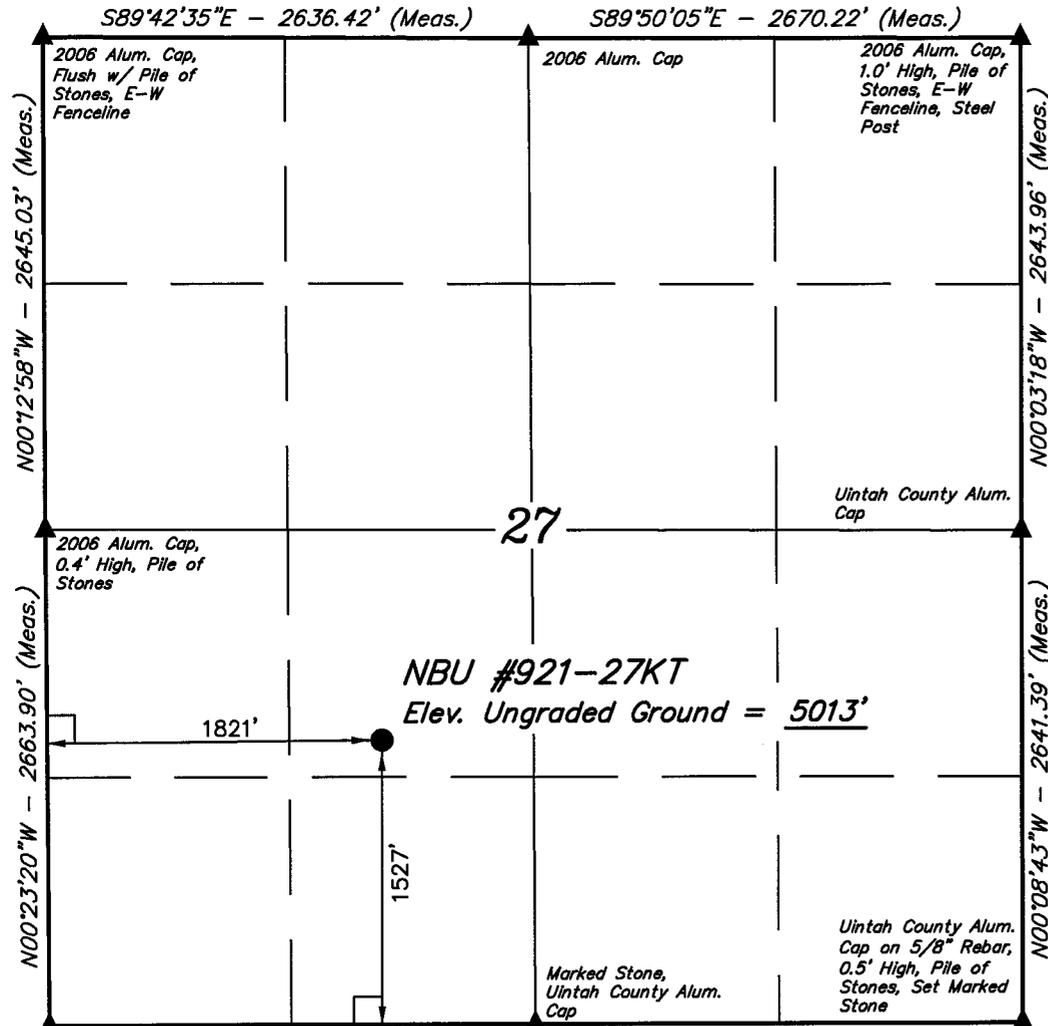
T9S, R21E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP

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

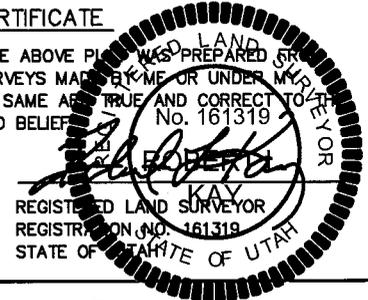
BASIS OF ELEVATION

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.



BASIS OF BEARINGS

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

LEGEND:

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

(NAD 83)
 LATITUDE = $40^{\circ}00'14.28''$ (40.003967)
 LONGITUDE = $109^{\circ}32'26.82''$ (109.540783)
 (NAD 27)
 LATITUDE = $40^{\circ}00'14.41''$ (40.004003)
 LONGITUDE = $109^{\circ}32'24.34''$ (109.540094)

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 06-08-08	DATE DRAWN: 06-09-08
PARTY D.K. LK. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	Kerr-McGee Oil & Gas Onshore LP	

**NBU 921-27KT
NESW Sec. 27, T9S,R21E
UINTAH COUNTY, UTAH
ST UO 1194A**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1521'
Birds Nest	1853'
Mahogany	2340'
Wasatch	4850'
Mesaverde	7711'
MVU2	8666'
MVL1	9258'
TD	9900'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1521'
Water	Birds Nest	1853'
Water	Mahogany	2340'
Gas	Wasatch	4850'
Gas	Mesaverde	7711'
Gas	MVU2	8666'
Gas	MVL1	9258'
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 9900' TD, approximately equals 6138 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3960 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

Please refer to the attached Drilling Program.

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 blowie line. The air rig does not utilize an igniter as the surface hole drilling operation does not encounter productive formations.

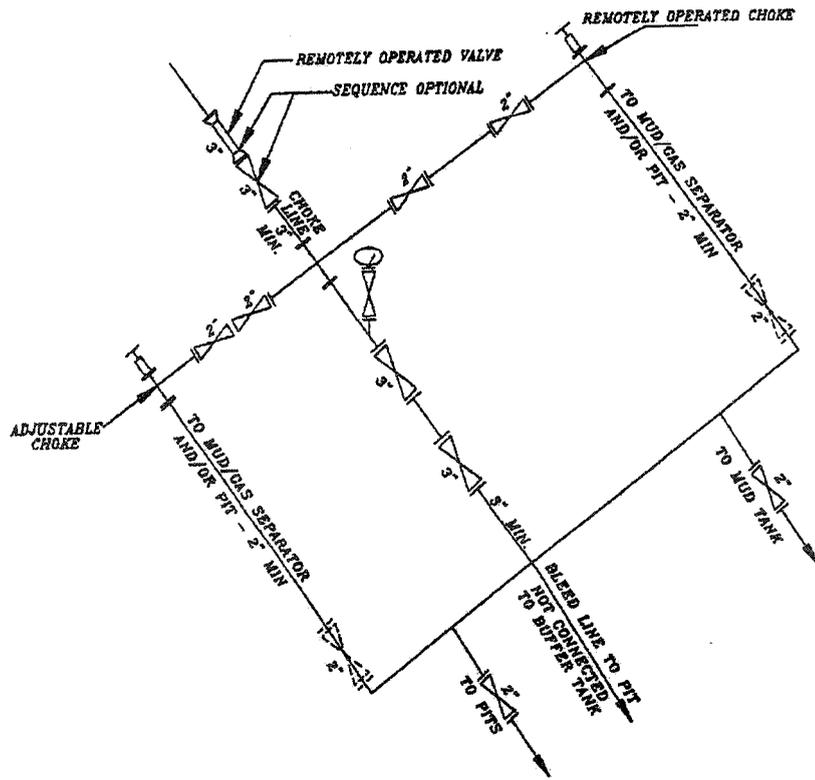
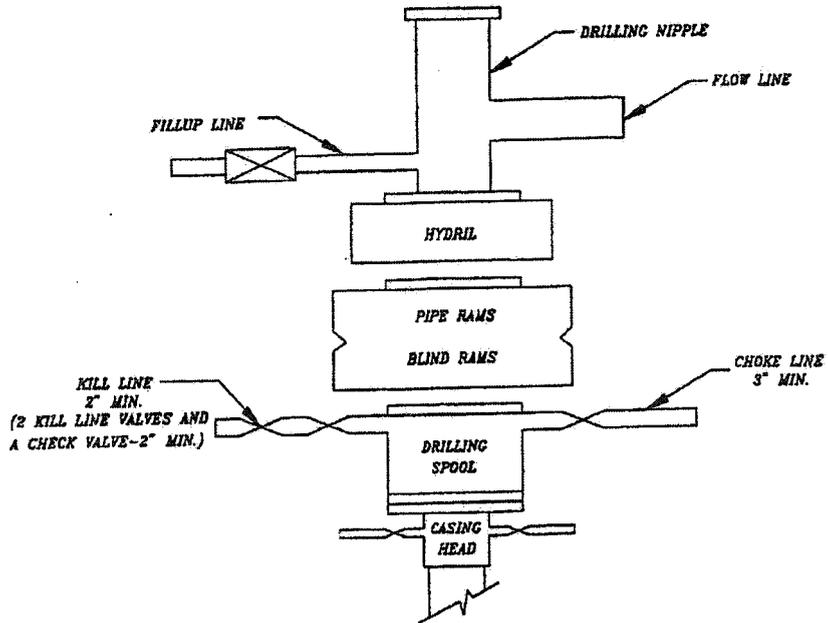
Conclusion

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 921-27KT
NESW SEC 27-T9S-R21E
Uintah County, UT
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 #83J 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.

The upgraded and new portions of the access road will be crowned and ditched with a running surface of 18 feet and a maximum disturbed width of 30 feet. Appropriate water control will be installed to control erosion.

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 #83J 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

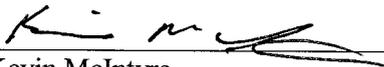
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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
Regulatory Analyst

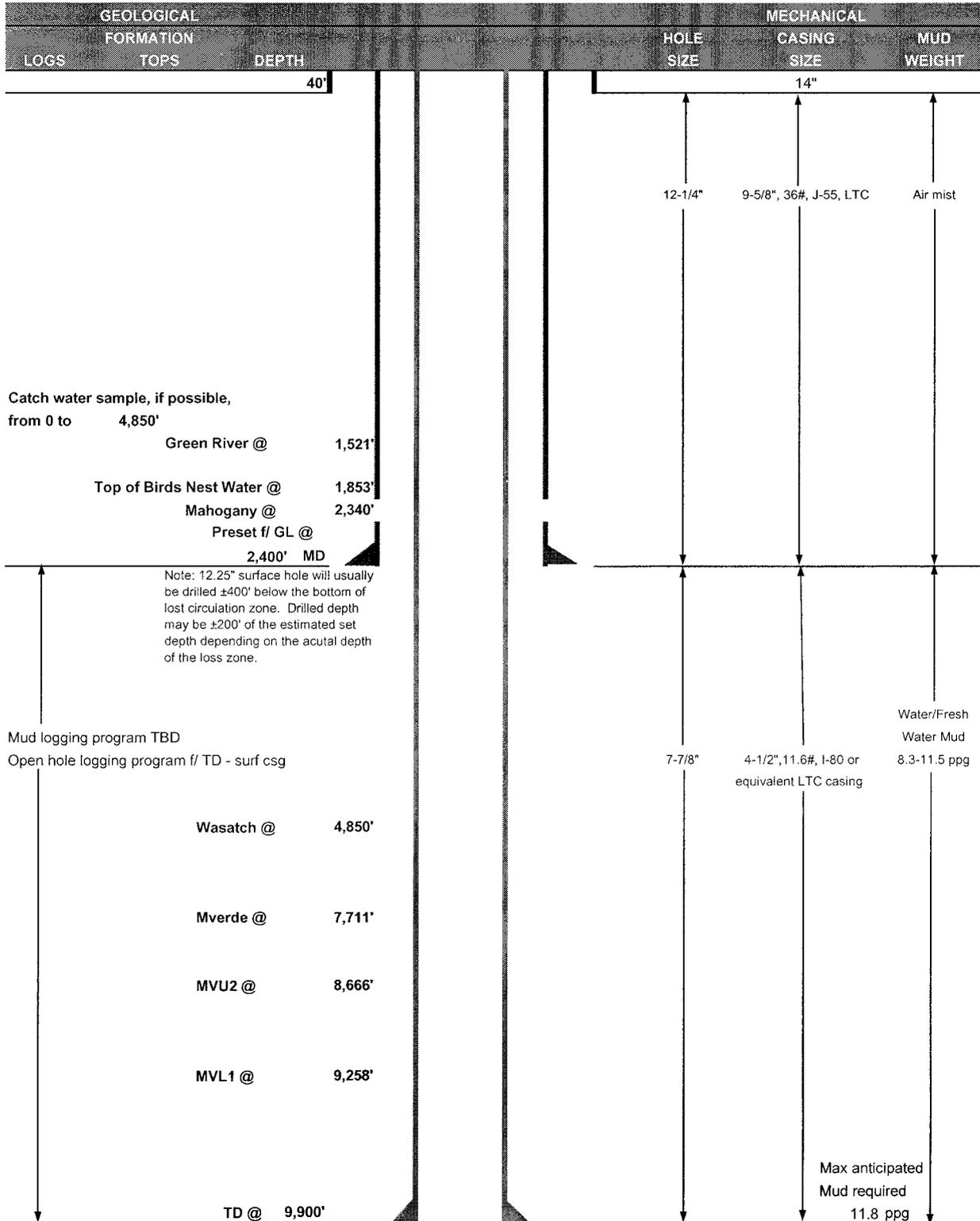
6/30/2008

Date



KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	June 30, 2008
WELL NAME	NBU 921-27KT	TD	9,900' MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah
	STATE	Utah	ELEVATION
			5,013' GL KB 5,028'
SURFACE LOCATION	NESW 1527' FSL & 1821' FWL, Sec. 27, T 9S R 21E		BHL
	Latitude: 40.004003	Longitude: -109.540094	NAD 27
OBJECTIVE ZONE(S)	Wasatch/Mesaverde		
ADDITIONAL INFO	Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.		



CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2,400'	36.00	J-55	LTC	3520	2020	453000
						0.90	1.80	5.99
PRODUCTION	4-1/2"	0 to 9900	11.60	I-80	LTC	7780	6350	201000
						2.00	1.05	2.01

- 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 3960 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD	
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18	
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18	
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18	
SURFACE Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized							
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps 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	4,350'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	480	60%	11.00	3.38	
	TAIL	5,550'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1550	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 #921-27KT

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; EXIT 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 NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY, THEN EASTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 0.6 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST TURN LEFT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.05 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #921-27KT

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

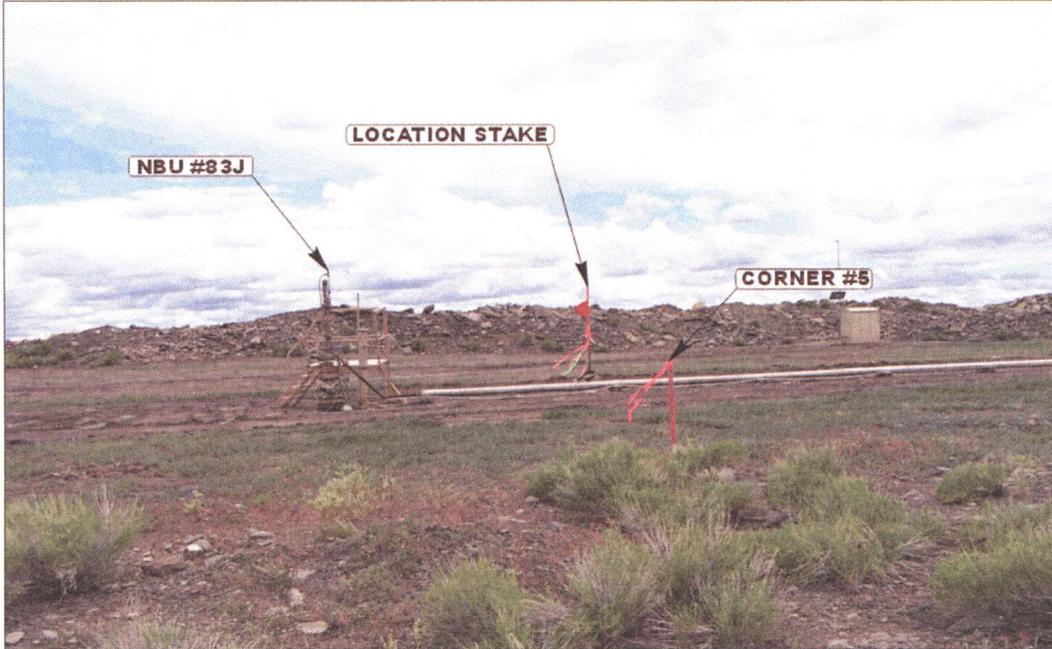


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

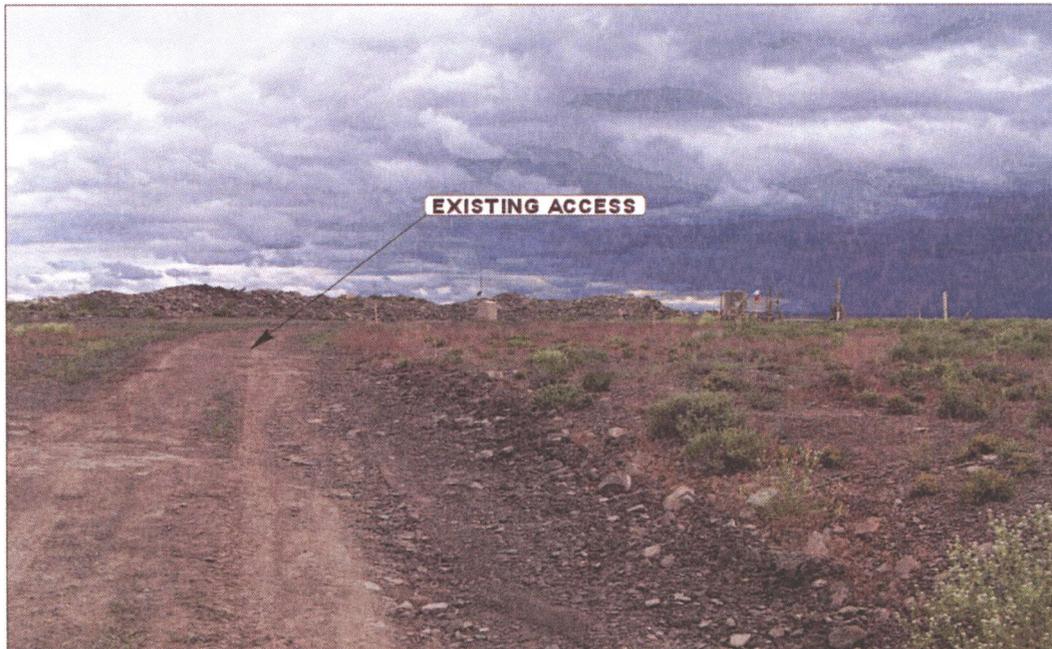


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

LOCATION PHOTOS

06 12 08
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: J.C.

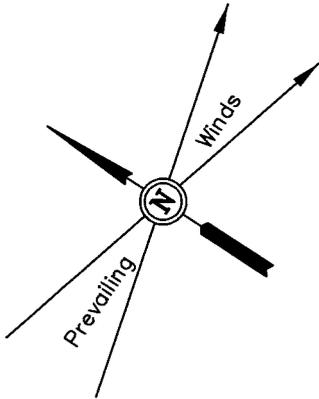
REVISED: 00-00-00

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

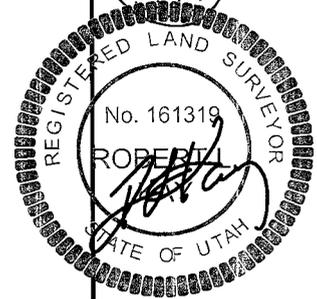
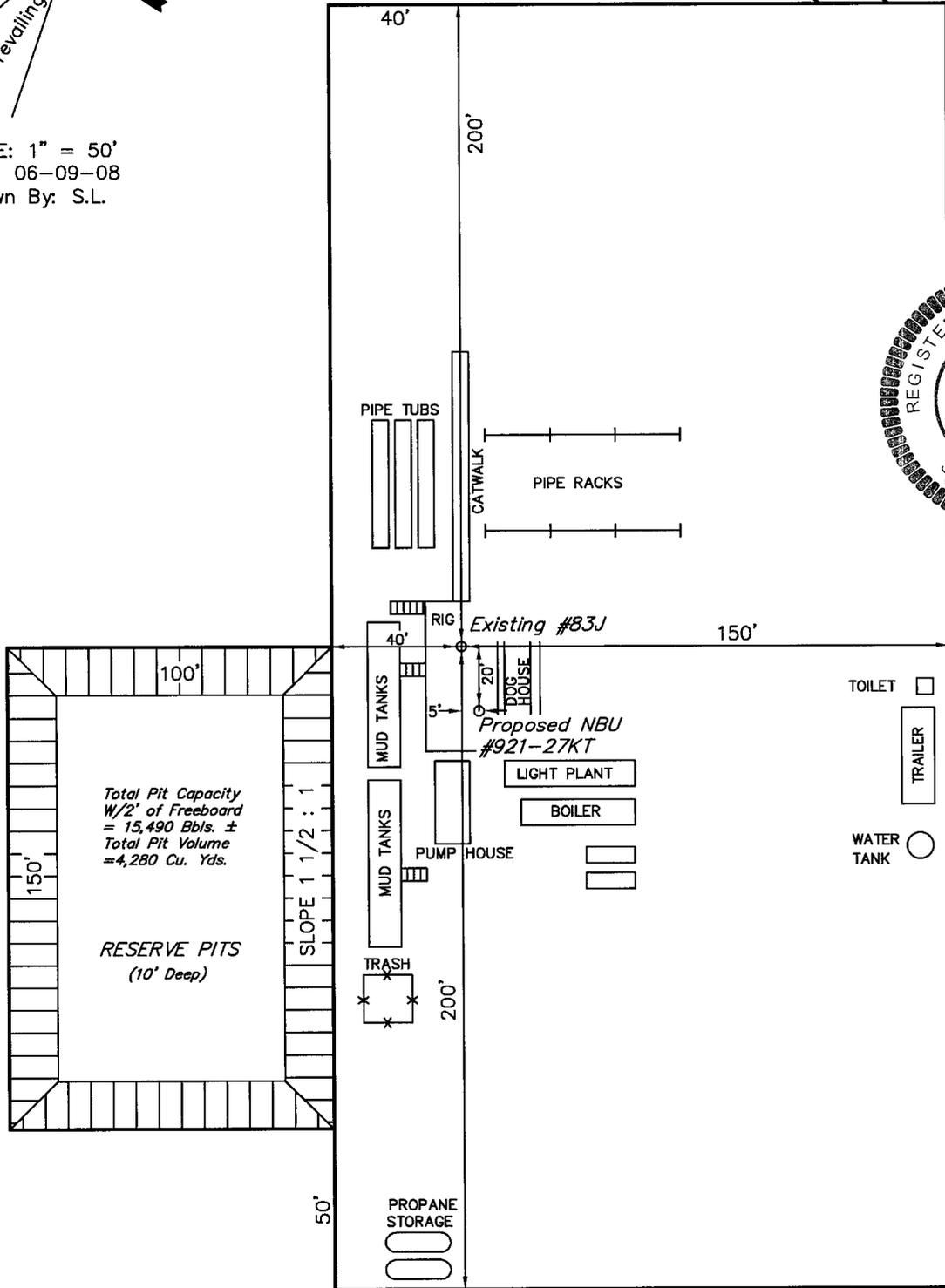
LOCATION LAYOUT FOR

NBU #921-27KT
SECTION 27, T9S, R21E, S.L.B.&M.
1527' FSL 1821' FWL



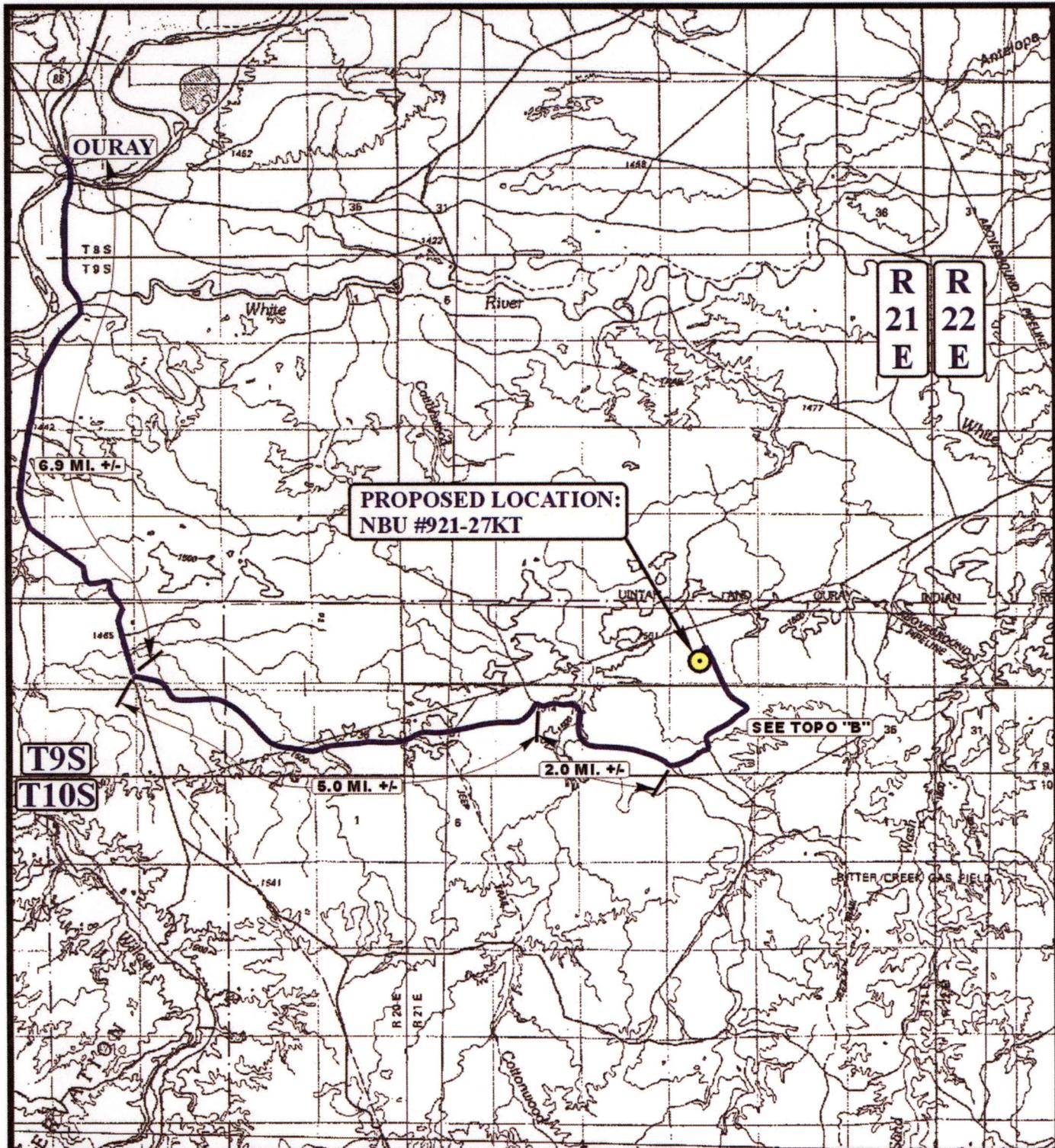
Existing Access Road

SCALE: 1" = 50'
DATE: 06-09-08
Drawn By: S.L.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 5013.5'



LEGEND:

● PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

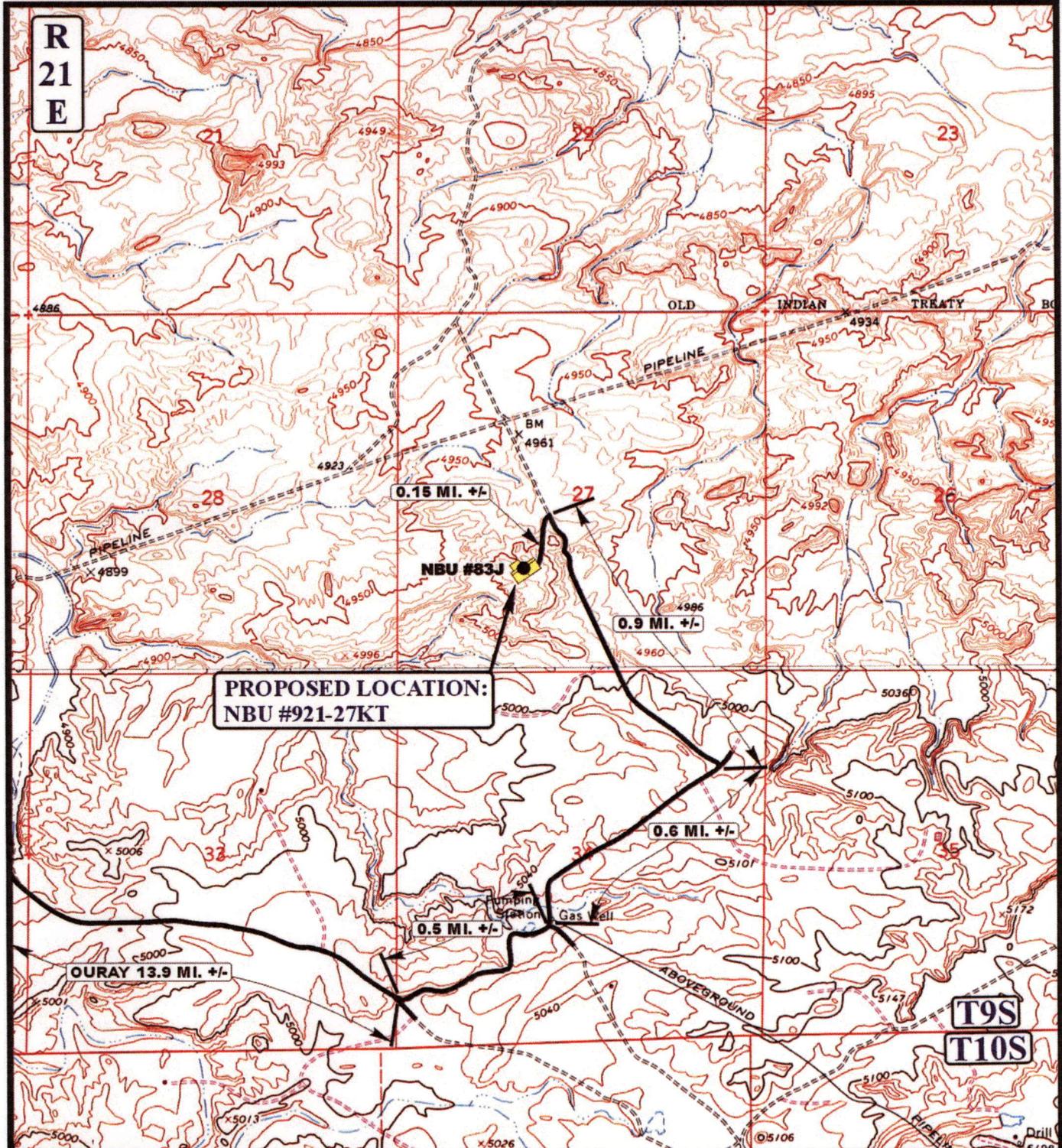
NBU #921-27KT
 SECTION 27, T9S, R21E, S.L.B.&M.
 1527' FSL 1821' FWL

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



TOPOGRAPHIC 06 12 08
MAP MONTH DAY YEAR
 SCALE: 1:100,000 DRAWN BY: J.C. REVISED: 00-00-00





LEGEND:

- EXISTING ROAD
- PROPOSED ACCESS ROAD



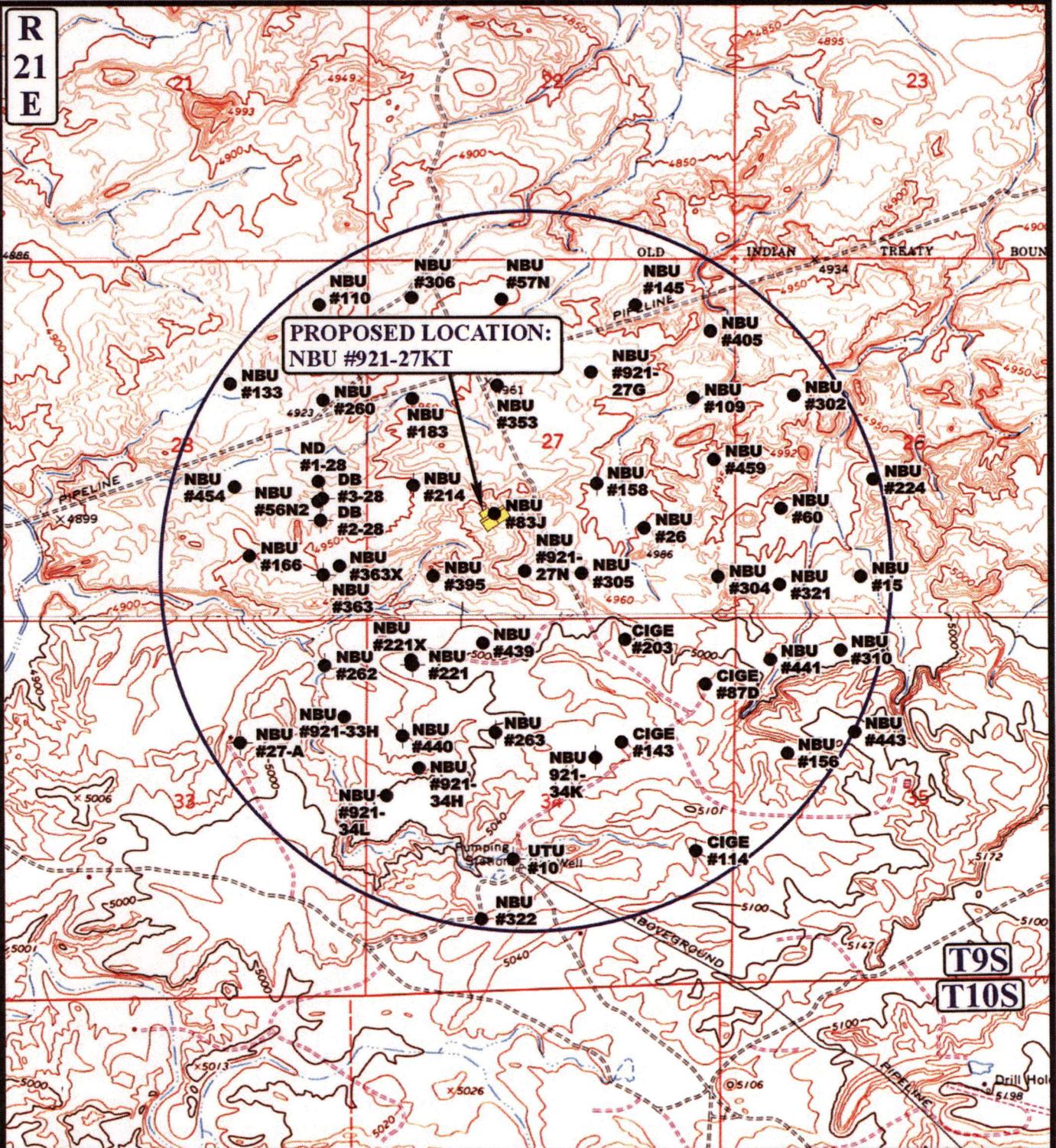
Kerr-McGee Oil & Gas Onshore LP

NBU #921-27KT
 SECTION 27, T9S, R21E, S.L.B.&M.
 1527' FSL 1821' FWL

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

TOPOGRAPHIC 06 12 08
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: J.C. REVISED: 00-00-00 **B**
 TOPO

R
21
E



PROPOSED LOCATION:
NBU #921-27KT

LEGEND:

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



Kerr-McGee Oil & Gas Onshore LP

NBU #921-27KT
SECTION 27, T9S, R21E, S.L.B.&M.
1527' FSL 1821' FWL



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

TOPOGRAPHIC MAP 06 12 08
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: J.C. REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/02/2008

API NO. ASSIGNED: 43-047-40170

WELL NAME: NBU 921-27KT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 720-929-6226

CONTACT: KEVIN MCINTYRE

PROPOSED LOCATION:

NESW 27 090S 210E

SURFACE: 1527 FSL 1821 FWL

BOTTOM: 1527 FSL 1821 FWL

COUNTY: UINTAH

LATITUDE: 40.00394 LONGITUDE: -109.5400

UTM SURF EASTINGS: 624621 NORTHINGS: 4429005

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:

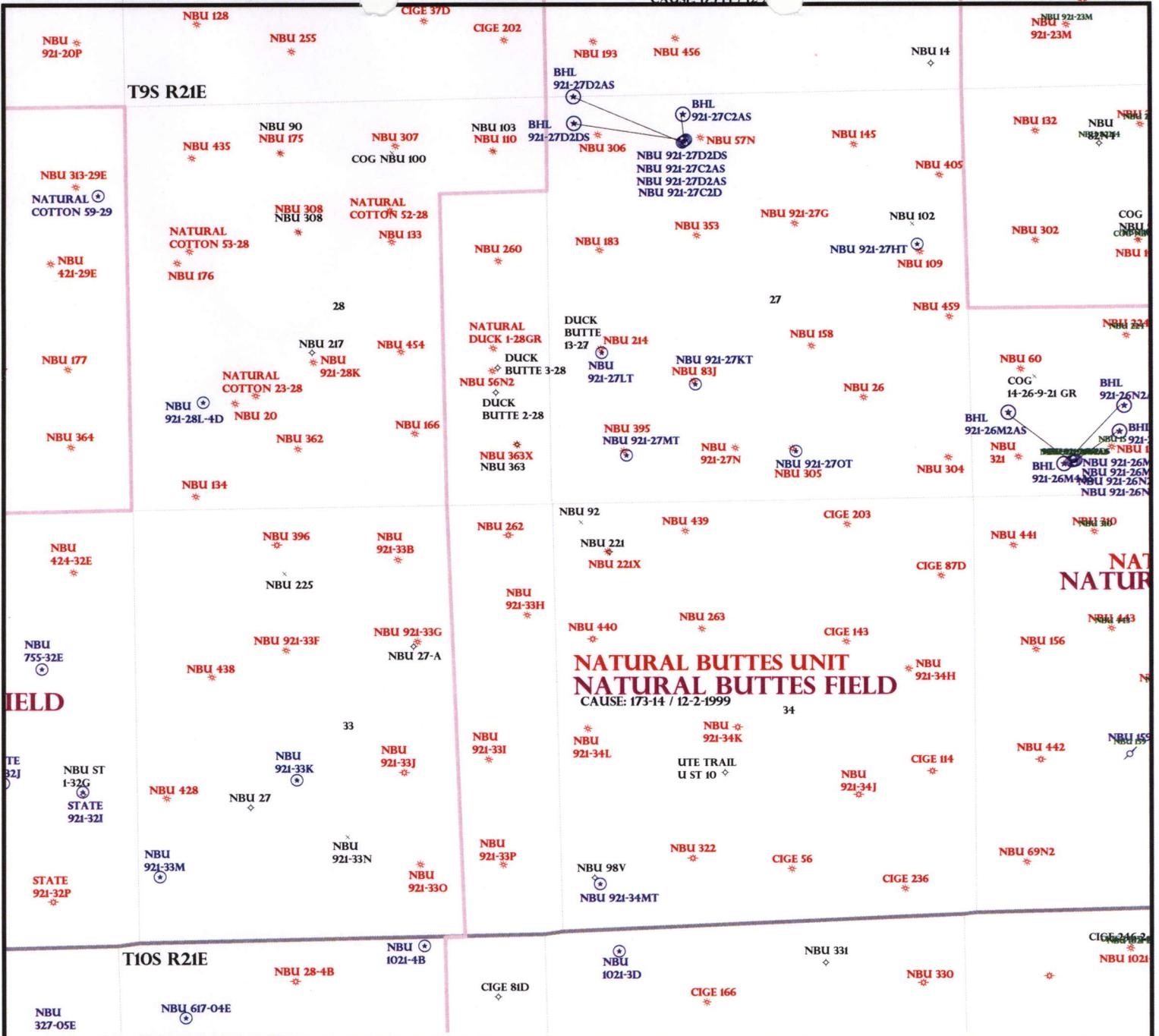
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]
(No. 22013542)
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit
(No. 43-8496)
- RDCC Review (Y/N)
(Date: _____)
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

LOCATION AND SITING:

- R649-2-3.
- Unit: NATURAL BUTTES
- R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-1994
Siting: 400' S v. b. of Suncor Tract
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (06-19-08)

STIPULATIONS: 1- STATEMENT OF BASIS
2- OIL SHALE
3- Surface Csg Cont Step



**NATURAL BUTTES UNIT
NATURAL BUTTES FIELD**
CAUSE: 173-14 / 12-2-1999

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 | Unit Status |
| ABANDONED | EXPLORATORY |
| ACTIVE | GAS STORAGE |
| COMBINED | NF PP OIL |
| INACTIVE | NF SECONDARY |
| PROPOSED | PENDING |
| STORAGE | PI OIL |
| TERMINATED | PP GAS |
| | PP GEOTHERML |
| | PP OIL |
| | SECONDARY |
| | TERMINATED |

- Wells Status**
- ⊗ GAS INJECTION
 - ⊕ GAS STORAGE
 - ⊘ LOCATION ABANDONED
 - ⊙ NEW LOCATION
 - ⊖ PLUGGED & ABANDONED
 - ⊕ PRODUCING GAS
 - ⊕ PRODUCING OIL
 - ⊖ SHUT-IN GAS
 - ⊖ SHUT-IN OIL
 - ⊖ TEMP. ABANDONED
 - ⊙ TEST WELL
 - ⊕ WATER INJECTION
 - ⊕ WATER SUPPLY
 - ⊕ WATER DISPOSAL
 - ⊕ DRILLING



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

Application for Permit to Drill

Statement of Basis

8/19/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
866	43-047-40170-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.		Surface Owner-APD		
Well Name	NBU 921-27KT	Unit	NATURAL BUTTES		
Field	NATURAL BUTTES		Type of Work		
Location	NESW 27 9S 21E S 1527 FSL 1821 FWL GPS Coord (UTM) 624621E 4429005N				

Geologic Statement of Basis

Kerr McGee proposes to set 2,400' 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 2,000'. 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
APD Evaluator

8/19/2008
Date / Time

Surface Statement of Basis

The proposed NBU 921-27KT gas well is on the existing location of the NBU 395 gas well. This well is planned to be plugged. A reserve pit 100' x 150' 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
Onsite Evaluator

6/18/2008
Date / Time

Conditions of Approval / Application for Permit to Drill

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils with a felt subliner shall be properly installed and maintained in the reserve pit.
Surface	The reserve pit shall be fenced upon completion of drilling operations.

ON-SITE PREDRILL EVALUATION

Utah Division of Oil, Gas and Mining

Operator KERR-MCGEE OIL & GAS ONSHORE, L.P.
Well Name NBU 921-27KT
API Number 43-047-40170-0 **APD No** 866 **Field/Unit** NATURAL BUTTES
Location: 1/4,1/4 NESW **Sec** 27 **Tw** 9S **Rng** 21E 1527 FSL 1821 FWL
GPS Coord (UTM) 624618 4429013 **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 921-27KT gas well is on the existing location of the NBU 395 gas well. This well is planned to be plugged. A reserve pit 100' x 150' 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

Existing Well Pad

New Road

Miles	Well Pad	Length	Src Const Material	Surface Formation
--------------	-----------------	---------------	---------------------------	--------------------------

Width

Length

Src Const Material

Surface Formation

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Existing Well Pad

Soil Type and Characteristics

Erosion Issues

Sedimentation Issues

Site Stability Issues

Drainage Diversion Required

Berm Required?

Erosion Sedimentation Control Required?

Paleo Survey Run?

Paleo Potential 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
		1 Sensitivity Level

Characteristics / Requirements

A reserve pit will be re-dug in the original location. Proposed dimensions are 100' x 150' x 10'deep. It is in the northwest corner of the location.

Closed Loop Mud Required? N **Liner Required?** Y **Liner Thickness** 16 **Pit Underlayment Required?** Y

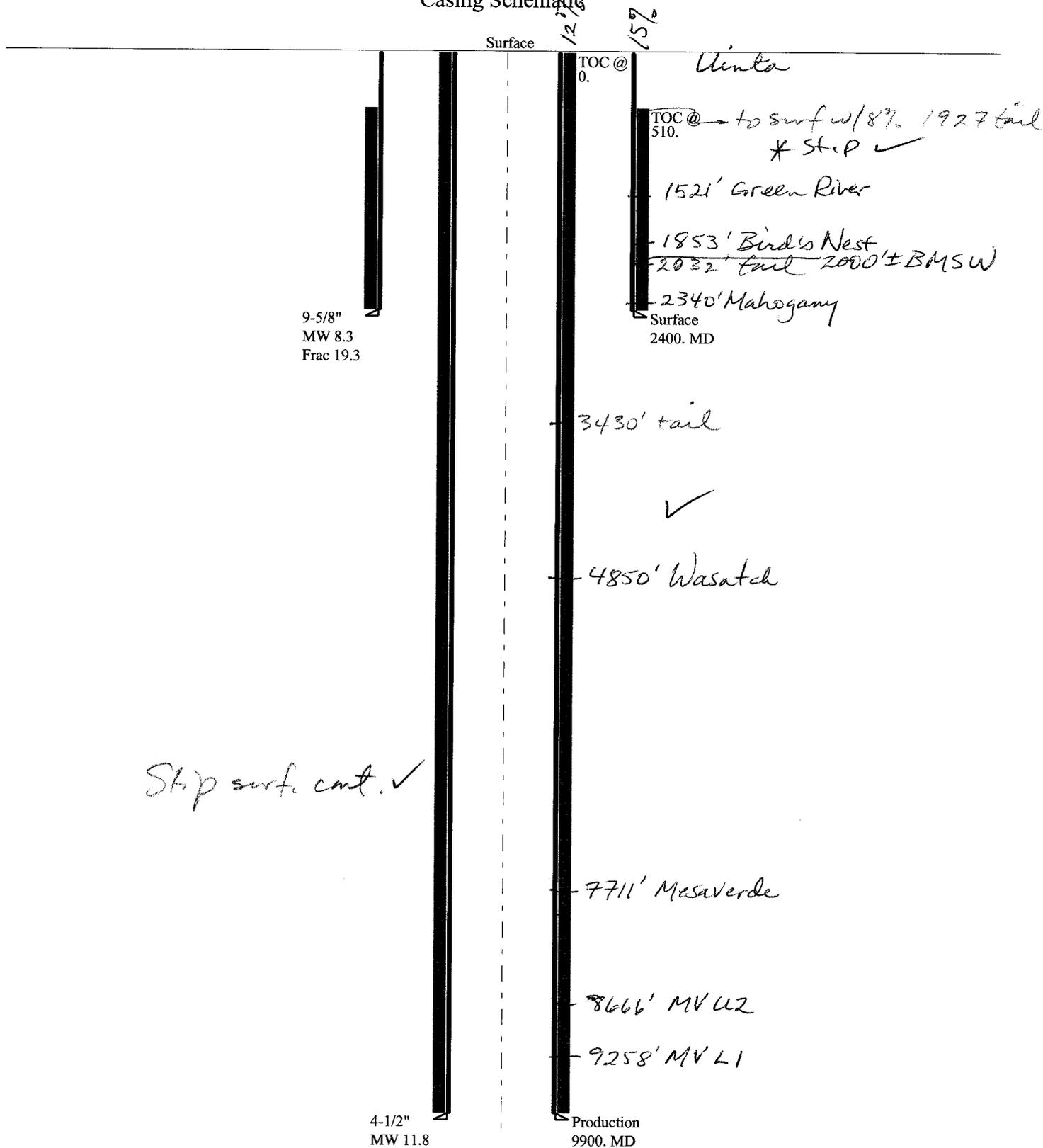
Other Observations / Comments

Floyd Bartlett
Evaluator

6/18/2008
Date / Time

43047401700000 NBU 921-27KT

Casing Schematic



Well name:	43047401700000 NBU 921-27KT	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Surface	Project ID: 43-047-40170-0000
Location:	Uintah County, Utah	

Design parameters:

Collapse

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

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 109 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 510 ft

Burst

Max anticipated surface pressure: 2,112 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,400 psi

No backup mud specified.

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: 2,104 ft

Completion type is subs
Non-directional string.

Re subsequent strings:

Next setting depth: 9,900 ft
Next mud weight: 11.800 ppg
Next setting BHP: 6,069 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,400 ft
Injection pressure: 2,400 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 (ft³)
1	2400	9.625	36.00	J-55	LT&C	2400	2400	8.796	1041.8
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	1039	2020	1.945	2400	3520	1.47	76	453	5.98 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 2400 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.

Well name:	43047401700000 NBU 921-27KT	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Production	Project ID: 43-047-40170-0000
Location:	Uintah County, Utah	

Design parameters:

Collapse

Mud weight: 11.800 ppg
Internal fluid density: 2.330 ppg

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 214 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,891 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 6,069 psi

No backup mud specified.

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: 8,154 ft

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	9900	4.5	11.60	I-80	LT&C	9900	9900	3.875	863.9
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	4870	6360	1.306	6069	7780	1.28	95	212	2.24 J

Prepared Helen Sadik-Macdonald
by: 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 9900 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.

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

BOPE REVIEW

Kerr-McGee NBU 921-27KT API 43-047-40170-0000

INPUT

Well Name

Kerr-McGee NBU 921-27KT API 43-047-40170-0000			
String 1	String 2		
9 5/8	4 1/2		
2400	9900		
40	2400		
8.4	11.8	✓	
500	5000		
3520	7780		
6138	11.9 ppg	✓	

Casing Size (")
 Setting Depth (TVD)
 Previous Shoe Setting Depth (TVD)
 Max Mud Weight (ppg)
 BOPE Proposed (psi)
 Casing Internal Yield (psi)
 Operators Max Anticipated Pressure (psi)

Calculations	String 1	9 5/8 "	
Max BHP [psi]	.052*Setting Depth*MW =	1048	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	760	NO Air Drill to surface shoe with diverter
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	520	NO <i>Reasonable Depth</i>
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	529	← NO <i>- No expected pressures</i>
Required Casing/BOPE Test Pressure		2400 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 =	6075	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	Max BHP-(0.12*Setting Depth) =	4887	YES ✓
MASP (Gas/Mud) [psi]	Max BHP-(0.22*Setting Depth) =	3897	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth) =	4425	← NO <i>Reasonable</i>
Required Casing/BOPE Test Pressure		5000 psi	
*Max Pressure Allowed @ Previous Casing Shoe =		2400 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 921-27KT Well, 1527' FSL, 1821' FWL, NE SW, 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 43-047-40170.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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

Operator: Kerr-McGee Oil & Gas Onshore, LP
Well Name & Number NBU 921-27KT
API Number: 43-047-40170
Lease: ST UO 1194A

Location: NE SW **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.

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

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

Well Name: NBU 921-27KT

Api No: 43-047-40170 Lease Type: STATE

Section 27 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN DRLG RIG # RATHOLE

SPUDDED:

Date 03/12/09

Time 3:00 PM

How DRY

Drilling will Commence: _____

Reported by LEW WELDON

Telephone # (435) 828-7035

Date 03/16/09 Signed CHD

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.

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-1194A	
			6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: UNIT #891008900A	
			8. WELL NAME and NUMBER: NBU 921-27KT	
2. NAME OF OPERATOR: KERR McGEE OIL & GAS ONSHORE LP			9. API NUMBER: 4304740170	
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: 1527'FSL, 1821'FWL			COUNTY: UINTAH	
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 27 9S, 21E			STATE: UTAH	

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: WELL SPUD
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> 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 9 5/8" 36# J-55 SURFACE CSG. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 03/12/2009 AT 1500 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE	DATE 3/13/2009

(This space for State use only)

RECEIVED
MAR 16 2009
DIV. OF OIL, GAS & MINING

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
4304740170	NBU 921-27KT		NESW	27	9S.	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	3/12/2009		3/19/09		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 03/12/2009 AT 1500 HRS.							

Well 2

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

Well 3

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

ACTION CODES:

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

SHEILA UPCHEGO

Name (Please Print)

Sheila Upchego

Signature

REGULATORY ANALYST

3/13/2009

Title

Date

RECEIVED

MAR 17 2009

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-1194A
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:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____			7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP			8. WELL NAME and NUMBER: NBU 921-27KT
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-7024	9. API NUMBER: 4304740170
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1527'FSL, 1821'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 27 9S, 21E			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

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

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

MIRU PROPETRO AIR RIG ON 03/18/2009. DRILLED 12 1/4" SURFACE HOLE TO 2440'. RAN 9 5/8" 40# J-55 SURFACE CSG. LEAD CMT W/230 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD GOOD RETURNS THROUGH OUT JOB 30 +/- BBL LEAD CMT TO PIT LAND PLUG FLOATS HELD. RAN 200' OF 1" PIPE CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

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

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 921-27KT
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047401700000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1527 FSL 1821 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 27 Township: 09.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 8/21/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

FINISHED DRILLING FROM 2440' TO 9980' ON 08/20/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/567 SX PREM LITE II @11.9 PPG 2.36 YIELD. TAILED CMT W/1270 SX 50/50 POZ @14.3 PPG 1.31 YIELD. FLUSH LINE & DROP PLUG DISPLACE W/154.4 BBLS WATER W/CLAYTREATMENT 1 GAL MAGNACIDE & CORR INHIBITOR BUMP PLUG W/3160 PSI PLUG HEAD ORIGINAL PUMPING PSI 2767 PSI. 400 OVER PSI. 1.75 BBLS BLEED OFF 100% RETURNS W/20 BBLS CMT BACK TO SURFACE SET CSG W/90K STRING WT TOP OF TAIL @4085' INSTALL PACKING ASSEMBLY & TEST TO 5000 PSI NIPPLE DOWN BOP CLEAN MUD PITS. RELEASED PIONEER RIG 69 ON 08/21/2009 AT 1900 HRS.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 August 24, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/24/2009	

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 921-27KT
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047401700000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6007 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1527 FSL 1821 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 27 Township: 09.0S Range: 21.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/7/2009	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.
 THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 12/7/2009 AT 12:30 P.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

Accepted by the
 Utah Division of
 Oil, Gas and Mining
FOR RECORD ONLY
 December 07, 2009

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 12/7/2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT		Spud Date: 3/18/2009		Spud Production: 3/12/2009	
Project: UTAH-UINTAH			Site: NBU 921-27KT		Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING			Start Date: 2/26/2009		End Date: 8/21/2009
Active Datum: RKB @5,031.00ft (above Mean Sea Level)			UWI: 0/9/S/21/E/27/0/NESW/6/PM/S/1,527.00/W/0/1,821.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation	
3/19/2009	20:00 - 0:00	4.00	DRLSUR	02	A	P		MIRU AIR RIG, SPUD WELL AT 20:00 HRS.	
3/20/2009	0:00 - 0:00	24.00	DRLSUR	02	A	P		3-18-09. DRILL WITH AIR HAMMER 40' TO 330'. DRILL WITH AIR HAMMER 330' - 1410'	
3/21/2009	0:00 - 5:30	5.50	DRLSUR	02	A	P		DRILL 1410'-1560' (150') WITH AIR HAMMER / BIT.	
	5:30 - 6:30	1.00	DRLSUR	06	A	P		POOH TO LAY DOWN HAMMER, HAMMER IS GETTING WEAK.	
	6:30 - 9:30	3.00	DRLSUR	08	A	Z		REPAIR HYDRAULIC HOSE ON HYDRAULIC PUMP.	
	9:30 - 13:00	3.50	DRLSUR	06	A	P		FINISH TRIP, PICKUP TRI-CONE BIT, TIH	
	13:00 - 13:30	0.50	DRLSUR	10	A	P		SURVEY @ 1530' - 1/2 DEG.	
	13:30 - 0:00	10.50	DRLSUR	02	A	P		DRILL 1560'-1770' (210') WITH AIR / MIST AND TRI-CONE BIT, 32-35K WOB	
	3/22/2009	0:00 - 2:00	2.00	DRLSUR	02	A	P		DRILL 1770'-1800' (30') TRI CONE, 35K WOB, NO WATER.
3/22/2009	2:00 - 2:30	0.50	DRLSUR	10	A	P		SURVEY @ 1770' - 1 1/2 DEG. 0230	
	2:30 - 12:00	9.50	DRLSUR	02	A	P		DRILL 1800'-2010' (210') 25K WOB, TRI-CONE, NO WATER.	
	12:00 - 13:00	1.00	DRLSUR	10	A	P		CIRCULATE, SURVEY @ 2010' - 2 DEG.	
	13:00 - 16:30	3.50	DRLSUR	02	A	P		DRILL 2010'-2070' (60') 20K WOB, NO WATER.	
	16:30 - 17:30	1.00	DRLSUR	10	A	P		CIRCULATE, SURVEY @ 2070' - 1 1/2 DEG.	
	17:30 - 20:30	3.00	DRLSUR	02	A	P		DRILL 2070'-2130' (60') 20K WOB, NO WATER.	
	20:30 - 21:30	1.00	DRLSUR	10	A	P		CIRCULATE, SURVEY @ 2130' - 2 1/2 DEG.	
	21:30 - 0:00	2.50	DRLSUR	02	A	P		DRILL 2130'-2220' (90') 10K WOB, NO WATER.	
	3/23/2009	0:00 - 6:30	6.50	DRLSUR	02	A	P		DRILL 2220'-2310'
	3/23/2009	6:30 - 7:30	1.00	DRLSUR	10	A	P		CIRCULATE, SURVEY @ 2310' - 2 DEG.
7:30 - 10:30		3.00	DRLSUR	02	A	P		DRILL 2310'-2340' (30') 10K WOB, LIGHT WEIGHT TO CONTROL DEVIATION,	
10:30 - 11:30		1.00	DRLSUR	10	A	P		CIRCULATE, SURVEY @ 2340' - 1 1/2 DEG.	
11:30 - 19:00		7.50	DRLSUR	02	A	P		DRILL 2340'-2440' (100') 10K WOB,	
19:00 - 20:00		1.00	DRLSUR	10	A	P		CIRCULATE 1 HOUR, SURVEY @ 2410' - 1 1/2 DEG.	
20:00 - 23:00		3.00	DRLSUR	06	A	P		LDDS	
23:00 - 0:00		1.00	DRLSUR	12	C	P		START RUNNING CASING, 20 JTS. IN	
3/24/2009	0:00 - 2:00	2.00	DRLSUR	12	C	P		FINISH RUNNING 2402.15' 9 5/8" 36# J-55 LTC. RUN 200' 1"	
3/24/2009	2:00 - 3:00	1.00	RDMO	01	E	P		RIG DOWN MOVE OUT PRO PETRO #9	
	3:00 - 4:30	1.50	DRLSUR	12	E	P		RIG UP PRO PETRO CEMENTERS, CEMENT 1ST STAGE WITH 230 SKS LEAD @ 11# 3.82 23 GAL/SK AND 200 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK GOOD RETURNS THRU OUT JOB + - 30 BBL LEAD CMT TO PIT LAND PLUG FLOATS HELD	
	4:30 - 5:00	0.50	DRLSUR	12	E	P		1ST TOP JOB 100 SKS DOWN 1" PIPE GOOD CMT TO SURFACE AND FELL BACK WOC	
	5:00 - 7:00	2.00	DRLSUR	12	E	P		2ND TOP JOB 150 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE	
	8/12/2009	10:00 - 17:30	7.50	DRLPRO	01	A	P		MOVE RIG 9.5 MILES, 6 BED & 6 HAUL TRUCKS, 2 FORKLIFTS, 1 CRANE
8/12/2009	17:30 - 20:00	2.50	DRLPRO	01	B	P		RURT	
	20:00 - 0:00	4.00	DRLPRO	14	A	P		N/U BOPE, GHANGE TO FMC WELLHEAD, LOCK DOWN & TEST TO 5000 PSI	
8/13/2009	0:00 - 2:00	2.00	DRLPRO	14	A	P		FINISH N/U BPOE	

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT		Spud Date: 3/18/2009		Spud Production: 3/12/2009	
Project: UTAH-UINTAH		Site: NBU 921-27KT		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/26/2009		End Date: 8/21/2009	
Active Datum: RKB @5,031.00ft (above Mean Sea Level)		UWI: 0/9/S/21/E/27/0/NESW/6/PM/S/1,527.00/W/0/1,821.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	2:00 - 7:00	5.00	DRLPRO	15	A	P		TEST BOPE, RAMS & ALL VALVES 250 LOW, 5000 HIGH, ANN 250-2500, CASING 1500 F/ 30 MIN
	7:00 - 11:00	4.00	DRLPRO	06	A	P		HPJSM W/ RIG & KIMSEY, R/U & P/U BIT #1,MM,DIR TOOLS,BHA & 55 JTS D/P, R/D CUT & SLIP 85' DRLG LINE
	11:00 - 12:00	1.00	DRLPRO	09	A	P		SERVICE RIG
	12:00 - 12:30	0.50	DRLPRO	07	A	P		
	12:30 - 14:00	1.50	DRLPRO	02	F	P		DRLG CEMENT & F/E, FLOAT 2371'/SHOE 2413, 46' CEMENT ABOVE FLOAT, OPEN HOLE CEMENT TO 2458'
	14:00 - 15:00	1.00	DRLPRO	02	B	P		DRLG F/2458 TO 2529' SPUD WELL @ 14:00 8/13/09
	15:00 - 15:30	0.50	ALL	10	D	Z		ATTEMPT TO SURVEY, TROUBLE SHOOT MWD TOOL
	15:30 - 16:00	0.50	ALL	02	A	P		DRLG F/ 2529 TO 2561'
	16:00 - 19:00	3.00	ALL	10	D	Z		ATTEMPT TO SURVEY, CHECK SHOTT UP 2' F/ 20'
	19:00 - 23:00	4.00	ALL	06	H	S		TOOH F/ MWD TOOLS, L/D TOOL, L/D BIT #1 DO TO FRAC CUTTER, PROGRAM NEW MWD TOOL, P/U BIT # 2, SCRIBE, TIH, MWD TOOLS WORKING
	23:00 - 0:00	1.00	ALL	02	B	P		DRLG/SLIDE F/ 2561 TO 2592, SLIDES 2561 TO 2592'
8/14/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG/SLIDE F/ 2592 TO 4205', 1613' @ 107.5' PH, MW 8.3, VIS 26, WOB 18, RPM 45, MM 98, SPM 125, GPM 473, UP/DN/ROT 114-108-102, ON/OFF 1400-1100, DIFF 150-400, SLIDES 2602-2612, 3701-3713, 3731-3741, 3826-3836
	15:00 - 15:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	15:30 - 16:00	0.50	DRLPRO	08	C	S		FLOW LINE LEAKING, FIX & REPAIR
	16:00 - 0:00	8.00	DRLPRO	02	B	P		DRLG/SURVEY F/ 4205 TO 5249', 1044' @ 130.5' PH, MW 8.4, VIS 27, CIRC RESREVE PIT, WOB 18, RPM 50, MM 98, SPM 125, GPM 473, UP/DN/ROT 135-125-130, ON/OFF 1500-1200, DIFF 150-400, NO SLIDES
8/15/2009	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRLG/SURVEY F/ 5249 TO 6514', 1265' @ 79.1' PH, WOB 18-20, MW 8.3, VIS 27, RPM 50, MM 98, SPM 125, GPM 473, UP/DN/ROT 155-145-150, ON.OFF-1550-1250, DIFF 150-350
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG/SURVEY F/ 6514 TO 6965', 451' @ 60.1' PH, MW 8.3, VIS 27, WOB 18-20, RPM 50, SPM 125, GPM 473, UP/DN/ROT 160-150-155, ON/OFF 1750-1500, DIFF 150-400
8/16/2009	0:00 - 16:00	16.00	DRLPRO	02	B	P		DRLG F/ 6965 TO 7653', 688' @ 43' PH, MW 8.9,VIS 30, WOB 18-20, RPM 45-50, MM 98, SPM 125, GPM 473, UP/DN/ROT 170-150-165, ON/OFF 2150-2000, DIFF 100-250, START LIGHT MUD UP @ 7600'
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	16:30 - 0:00	7.50	DRLPRO	02	B	P		DRLG F/ 7653 TO 8030', 377' @ 50.3' PH, MW 9.8, VIS 39, WOB 18-20, RPM 45-50, MM 98, SPM 125, GPM 473, UP/DN/ROT 175-155-168, ON/OFF 2250-2050, DIFF 150-250
8/17/2009	0:00 - 15:00	15.00	DRLPRO	02	B	P		DRLG F/ 8030 TO 8791', 761' @ 50.7' PH, WOB 20,MW 10.5, VIS 36, RPM 45, MM 98, SPM 125, GPM 473, UP/DN/ROT 180-160-170, ON/OFF 2250-2100, DIFF 100-250, HIT GOOD GAS @ 8500', 8000 UNITS 20' FLARE, START WT UP, STARTED SEEPING MIX LCM TO 10%, LOST @ 300 BBLs TO FORMATION
	15:00 - 15:30	0.50	DRLPRO	07	A	P		SERVICE RIG

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT Spud Date: 3/18/2009 Spud Production: 3/12/2009
 Project: UTAH-UINTAH Site: NBU 921-27KT Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 2/26/2009 End Date: 8/21/2009
 Active Datum: RKB @5,031.00ft (above Mean Sea Level) UWI: 0/9/S/21/E/27/0/NESW/6/PM/S/1,527.00/W/0/1,821.00/0/0

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/ 8791' TO 9145', 354' @ 41.6' PH, WOB 20-23, MW 11.6, VIS 45, LCM 10%, RPM 45, MM 98, SPM 125, GPM 473, UP/DN/ROT 190-170-180, ON/OFF 2500-2250, DIFF 150-400
8/18/2009	0:00 - 3:00	3.00	DRLPRO	02	B	P		DRLG F/ 9145 TO 9213', 68' @ 22.6' PH, MW 11.8, VIS 46
	3:00 - 3:30	0.50	DRLPRO	05	C	P		TAKE SURVEY, BUILD PILL, CIRC & COND HOLE F/ BIT TRIP
	3:30 - 14:00	10.50	DRLPRO	06	A	P		TFNB
	14:00 - 15:00	1.00	DRLPRO	03	E	P		WASH TIGHT SPOT @ 9100', WASH 113' TO BOTTOM W/ 5' FILL
	15:00 - 16:30	1.50	DRLPRO	02	B	P		DRLG F/ 9213 TO 9298', 85' @ 56.6' PH, MW 12, VIS 45, LCM 9%
	16:30 - 17:00	0.50	DRLPRO	02	B	P		SERVICE RIG
	17:00 - 0:00	7.00	DRLPRO	02	B	P		DRLG F/ 9298 TO 9528', 230' @ 32.8' PH, MW 11.9, VIS 45, LCM 9%
8/19/2009	0:00 - 1:00	1.00	DRLPRO	02	B	P		DRLG F/ 9528 TO 9533', 5' @ 5' PH, WOB 25, MW 11.9, VIS 48, SPM 125, GPM 473, RPM 45, MM 76, CIRC & COND HOLE, MIX PILL
	1:00 - 1:30	0.50	DRLPRO	05	C	P		
	1:30 - 14:00	12.50	DRLPRO	06	A	P		TFNB & MM, P/U BIT #4 & .208 MM, TIH TO SHOE, CUT DRLG LINE, TIH TO 5000' FILL PIPE, PIPE PLUGGED, WORKPIPE FREE, CIRC & TIH, HIT BRIDGE @ 9300' WASH 30', TIH
	14:00 - 15:00	1.00	DRLPRO	03	D	P		WASH 100' TO BOTTOM 5' FILL
	15:00 - 17:00	2.00	DRLPRO	02	B	P		DRLG F/ 9533 TO 9582', 49' @ 24.5' PH
	17:00 - 17:30	0.50	DRLPRO	07	A	P		SERVICE RIG
	17:30 - 0:00	6.50	DRLPRO	02	B	P		DRLG F/ 9582 TO 9834' 252' WOB 22, RPM 45, MRPM 70, SPM 115, GPM 435, PU/SO/ROT 198/170/182, ON/OFF PSI 2381/2227, DIFF PSI 154', VIS 49, WT 11.9, LCM 6%
8/20/2009	0:00 - 3:30	3.50	DRLPRO	02	B	P		DRILL 9834' - 9980' TD 146' WOB 22, RPM 45, MRPM 70, SPM 115, GPM 435, PU/SO/ROT 198/170/182, ON/OFF PSI 2381/2227, DIFF 154, VIS 49, MW 11.9, LCM 6%
	3:30 - 4:30	1.00	DRLPRO	05	C	P		CIRC F/ SHORT TRIP
	4:30 - 5:30	1.00	DRLPRO	06	E	P		SHORT TRIP 10 STDS
	5:30 - 7:00	1.50	DRLPRO	05	C	P		CIRC TO LDDS
	7:00 - 16:00	9.00	DRLPRO	06	A	P		(HELD SAFETY MEETING) RIG UP KIMZEY & LDDS & PULL WEAR BUSHING
	16:00 - 0:00	8.00	DRLPRO	11	G	P		(HELD SAFETY MEETING) RIG UP BAKER & RUN TRIPLE COMBO, BRIDGED OFF @ 8084' LOGG OUT F/ 8001' TO SHOE, & GR TO SURFACE
8/21/2009	0:00 - 2:00	2.00	DRLPRO	11	G	P		FINISH LOGGING & RIG DOWN BAKER ATLAS
	2:00 - 2:00	0.00	DRLPRO	12	A	P		(HELD SAFETY MEETING) RIG UP KIMZEY CSG
	2:00 - 9:00	7.00	DRLPRO	12	C	P		RUN 4.5 PRODUCTION CSG W/ 8 JTS P110HC ON BOTTOM. SHOE DEPTH 9977' FLOAT DEPTH 9932'.
	9:00 - 11:00	2.00	DRLPRO	05	D	P		HOOK UP BJ HEAD & CIRC OUT GAS W/ RIG PUMP

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT		Spud Date: 3/18/2009		Spud Production: 3/12/2009	
Project: UTAH-UINTAH		Site: NBU 921-27KT		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 2/26/2009		End Date: 8/21/2009	
Active Datum: RKB @5,031.00ft (above Mean Sea Level)		UWI: 0/9/S/21/E/27/0/NESW/6/PM/S/1,527.00/W/0/1,821.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:00 - 15:00	4.00	DRLPRO	12	E	P		HELD SAFETY MEETING, SWITCH LINES & PSI TEST LINES TO 4500 PSI. PUMP 40 BBLS FRESH WATER @ 8.3 PPG. PUMP LEAD 238.3 BBLS, 567 SCKS PREMIUM LITE 11 CEMENT @ 11.9 PPG, 2.36 cF/SACK YIELD. PUMP TAIL 296.3, 1270 SCKS 50:50:2 POZ MIX CEMENT @ 14.3 PPG, 1.31 cF/SACK YIELD. FLUSH LINE & DROP PLUG. DISPLACED W/ 154.4 BBLS WATER W/ CLAYTREAT +1 GL MAGNACIDE & CORR INHIBITER. BUMPED PLUG W/ 3160 PSI & PLUG HELD. ORIGINAL PUMPING PSI 2767 PSI. 400 OVER PSI. 1.75 BBLS BLEED OFF. 100% RETURNS. W/ 20 BBLS CMT BACK TO SURFACE. SET CSG W/ 90K STRING WT. TOP OF TAIL @4085' INSTALL PACKING ASSEMBLY & TEST TO 5000 PSI
	15:00 - 19:00	4.00	DRLPRO	14	A	P		NIPPLE DOWN BOP, CLEAN MUD PITS & RELEASE RIG @ 1900 08/21/2009

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT Spud Date: 3/18/2009 Spud Production: 3/12/2009
 Project: UTAH-UINTAH Site: NBU 921-27KT Rig Name No: SWABBCO 1/1
 Event: COMPLETION Start Date: 11/24/2009 End Date:
 Active Datum: RKB @5,031.00ft (above Mean Sea Level) UWI: 0/9/S/21/E/27/0/NESW/6/PM/S/1,527.00/W/0/1,821.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
3/18/2009	-							
11/23/2009	9:00 - 9:15	0.25	COMP	48		P		DAY 1 - JSA & SM. NO H2S PRESENT
	9:15 - 11:30	2.25	COMP	33	C	P		WHP = 0 PSI. LOAD CSG W/T MAC WTR FROM WTR TRK. NDWH, NU FRAC VALVES & SET FRAC STAND. MIRU B & C QUICK TEST. PT CSG & FRAC VALVES TO 7000 PSI. (GOOD TEST) RDMO B & C QUICK TEST. 11:30 - SDFD.
11/25/2009	8:00 - 8:15	0.25	COMP	48		P		DAY 2 - JSA & SM. NO H2S PRESENT.
	8:15 - 10:30	2.25	COMP	37	B	P		WHP = 0 PSI. MIRU SCHLUMBERGER WIRELINE. STG #1) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 & 120 DEG PHSG. PERF THE M.V. FROM 9862' - 64', 4 SPF, 9800' - 04', 4 SPF, 980' - 82', 3 SPF, 9694' - 98', 3 SPF, 42 HOLES. POOH W/TOOLS. RD WIRELINE. 10:30 - SWI - SDFD.
11/30/2009	8:00 - 8:15	0.25	COMP	48		P		DAY 3 - JSA & SM. NO H2S PRESENT.
	8:15 - 9:32	1.28	COMP	36	E	P		MIRU SCHLUMBERGER PMPG SERVICE. PT SURFACE EQUIP. TO 8000 PSI. STG #1) WHP = 1903 PSI, BRK DWN PERFS 5.3 BPM @ 3687 PSI. INJ. TEST 8 BPM @ 3539 PSI. ISIP = 2956 PSI, FG = 0.73. PMP 120 BBLS W/10/1000 SCALE INHIB. PMP 95 BBLS 49.6 BPM @ 6500 PSI. 26/42 PERFS OPEN - 62%. MP 6762 PSI, MR 55.2 BPM, AP 5478 PSI, AR 42.5 BPM, ISIP = 3270 PSI, FG = 0.76, NPI = 314 PSI. PMPD 935 BBLS SLK WTR, 25,119 LBS OTTOWA SND, 4,459 LBS TLC SND, 29,578 LBS TOTAL SND. (160 GAL SI)
	9:32 - 11:28	1.93	COMP	37	B	P		STG #2) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 120 DEG PHSG. SET HALCO 8K CBP @ 9514'. PERF THE M.V. FROM 9480' - 84', 3 SPF, 9366' - 72', 3 SPF, 9320' - 24', 3 SPF, 42 HOLES. (SLB HAVING PROBLEMS W/GREASE HEAD HOLDING - RIH <150 F/M FIRST 5000'). WAITING FOR ORDERS FROM DNVR ON NALCO SCALE INHIBITOR
	11:28 - 14:40	3.20	COMP	46	A	S		
	14:40 - 15:11	0.52	COMP	36	E	P		STG #2) WHP = 1780 PSI, BRK DWN PERFS 5.3 BPM @ 3159 PSI. INJ. TEST 9.9 BPM @ 3122 PSI. ISIP = 2854 PSI, FG = 0.73. PMP 140 BBLS 55.2 BPM @ 6350 PSI. 25/42 PERFS OPEN - 60%. MP 6855 PSI, MR 55.4 BPM, AP 5468 PSI, AR 48.7 BPM, ISIP = 3223 PSI, FG = 0.77, NPI = 369 PSI. PMPD 1147 BBLS SLK WTR, 40,197 LBS OTTOWA SND, 4,873 LBS TLC SND, 45,070 LBS TOTAL SND. (SI RAN @ 1.3/1000 THRU FRAC & 10/1000 IN FLUSH - 116 GAL)
	15:11 - 16:22	1.18	COMP	37	B	P		STG #3) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 120 DEG PHSG. SET HALCO 8K CBP @ 9258'. PERF THE M.V. FROM 9224' - 28', 3 SPF, 9166' - 70', 3 SPF, 9136' - 38', 3 SPF, 9042' - 45', 3 SPF, 39 HOLES.

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT Spud Date: 3/18/2009 Spud Production: 3/12/2009
 Project: UTAH-UINTAH Site: NBU 921-27KT Rig Name No: SWABBCO 1/1
 Event: COMPLETION Start Date: 11/24/2009 End Date:
 Active Datum: RKB @5,031.00ft (above Mean Sea Level) UWI: 0/9/S/21/E/27/0/NESW/6/PM/S/1,527.00/W/0/1,821.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	16:22 - 17:07	0.75	COMP	36	E	P		STG #3) WHP = 1931 PSI, BRK DWN PERFS 5.3 BPM @ 2974 PSI. INJ. TEST 9.5 BPM @ 3071 PSI. ISIP = 2607 PSI, FG = 0.72. PMP 220 BBLS 55.2 BPM @ 5712 PSI. 29/39 PERFS OPEN - 74%. MP 6829 PSI, MR 55.3 BPM, AP 5179 PSI, AR 51 BPM, ISIP = 2901 PSI, FG = 0.75, NPI = 294 PSI. PMPD 1902 BBLS SLK WTR, 68,087 LBS OTTOWA SND, 5,396 LBS TLC SND, 73,480 LBS TOTAL SND. (SI RAN @ 1.3/1000 THRU FRAC & 10/1000 IN FLUSH - 154 GAL) PMP BRINE WTR THRU SURFACE EQUIP & WELL HEAD @ 1.5 BPM.
	17:07 - 17:31	0.40	COMP			P		PMP BRINE WTR THRU SURFACE EQUIP & WELL HEAD @ 1.5 BPM @ 2600 PSI.
	17:31 - 18:40	1.15	COMP	37	B	P		STG #4) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 & 120 DEG PHSG. SET HALCO 8K CBP @ 8984'. PERF THE M.V. FROM 8958' - 60', 4 SPF, 8872' - 76', 3 SPF, 8778' - 80', 4 SPF, 8728' - 32', 3 SPF, 40 HOLES. POOH & LD TOOLS. TIE BK LUBRICATOR.
								18:40 SWI - SDFN. PREP WELL TO CONT. TO PERF & FRAC IN AM.
12/1/2009	7:00 - 7:15	0.25	COMP	48		P		DAY 4 - JSA & SM 5. NO H2S PRESENT
	7:15 - 7:50	0.58	COMP	36	E	P		STG #4) WHP = 1576 PSI, BRK DWN PERFS 5.3 BPM @ 3520 PSI. INJ. TEST 9.5 BPM @ 2670 PSI. ISIP = 2454 PSI, FG = 0.71. PMP 235 BBLS 55.2 BPM @ 5700 PSI. 29/40 PERFS OPEN - 73%. MP 6928 PSI, MR 55.4 BPM, AP 5278 PSI, AR 50.2 BPM, ISIP = 2858 PSI, FG = 0.75, NPI = 404 PSI. PMPD 1412 BBLS SLK WTR, 51,553 LBS OTTOWA SND, 5,767 LBS TLC SND, 57,320 LBS TOTAL SND. (SI RAN @ 1.3/1000 THRU FRAC & 10/1000 IN FLUSH - 127 GAL)
	7:50 - 9:28	1.63	COMP	37	B	P		STG #5) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 & 120 DEG PHSG. SET HALCO 8K CBP @ 8690'. PERF THE M.V. FROM 8664' - 66', 4 SPF, 8624' - 28', 3 SPF, 8602' - 04', 4 SPF, 8566' - 70', 3 SPF, 40 HOLES.
	9:28 - 10:00	0.53	COMP	36	E	P		STG #5) WHP = 1394 PSI, BRK DWN PERFS 5.3 BPM @ 3357 PSI. INJ. TEST 9.7 BPM @ 2852 PSI. ISIP = 2651 PSI, FG = 0.74. PMP 170 BBLS 55.1 BPM @ 6050 PSI. 25/40 PERFS OPEN - 63%. MP 6306 PSI, MR 55.4 BPM, AP 5149 PSI, AR 50 BPM, ISIP = 2836 PSI, FG = 0.76, NPI = 185 PSI. PMPD 1355 BBLS SLK WTR, 49,037 LBS OTTOWA SND, 5,283 LBS TLC SND, 55,320 LBS TOTAL SND. (SI RAN @ 1.3/1000 THRU FRAC & 10/1000 IN FLUSH - 124 GAL)
	10:00 - 11:10	1.17	COMP	37	B	P		STG #6) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 & 120 DEG PHSG. SET HALCO 8K CBP @ 8520'. PERF THE M.V. FROM 8490' - 94', 3 SPF, 8450' - 52', 4 SPF, 8414' - 16', 4 SPF, 8350' - 52', 3 SPF, 8246' - 48', 3 SPF, 40 HOLES.

RECEIVED December 07, 2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT Spud Date: 3/18/2009 Spud Production: 3/12/2009
 Project: UTAH-UINTAH Site: NBU 921-27KT Rig Name No: SWABBCO 1/1
 Event: COMPLETION Start Date: 11/24/2009 End Date:
 Active Datum: RKB @5,031.00ft (above Mean Sea Level) UWI: 0/9/S/21/E/27/O/NESW/6/PM/S/1,527.00/W/0/1,821.00/O/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:10 - 11:53	0.72	COMP	36	E	P		STG #6) WHP = 1560 PSI, BRK DWN PERFS 5.3 BPM @ 2735 PSI. INJ. TEST 9.6 BPM @ 2870 PSI. ISIP = 2500 PSI, FG = 0.73. PMP 210 BBLS 59.5 BPM @ 5976 PSI. 26/40 PERFS OPEN - 64%. MP 6680 PSI, MR 59.7 BPM, AP 5345 PSI, AR 55.5 BPM, ISIP = 2709 PSI, FG = 0.75, NPI = 209 PSI. PMPD 2039 BBLS SLK WTR, 75,139 LBS OTTOWA SND, 5,683 LBS TLC SND, 80,822 LBS TOTAL SND. (SI RAN @ 1.3/1000 THRU FRAC & 10/1000 IN FLUSH - 148 GAL)
	11:53 - 12:53	1.00	COMP	37	B	P		STG #7) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 120 DEG PHSG. SET HALCO 8K CBP @ 8156'. PERF THE M.V. FROM 8122' - 26', 3 SPF, 8094' - 96', 3 SPF, 8010' - 14', 3 SPF, 7936' - 39', 3 SPF, 39 HOLES.
	12:53 - 13:37	0.73	COMP					STG #7) WHP = 1140 PSI, BRK DWN PERFS 5.3 BPM @ 2524 PSI. INJ. TEST 9.7 BPM @ 2650 PSI. ISIP = 2330 PSI, FG = 0.72. PMP 220 BBLS 59.5 BPM @ 5084 PSI. 33/39 PERFS OPEN - 84%. MP 6439 PSI, MR 59.8 BPM, AP 4666 PSI, AR 55.1 BPM, ISIP = 2478 PSI, FG = 0.74, NPI = 148 PSI. PMPD 1976 BBLS SLK WTR, 72,449 LBS OTTOWA SND, 5,750 LBS TLC SND, 78,199 LBS TOTAL SND. (SI RAN @ 1.3/1000 THRU FRAC & 10/1000 IN FLUSH - 151 GAL)
	13:37 - 14:32	0.92	COMP	37	B	P		STG #8) RIH W/3 1/8" EXP GNS, 23 GRM, 0.36 HOLE, 90 & 120 DEG PHSG. SET HALCO 8K CBP @ 7838'. PERF THE M.V. FROM 7804' - 08', 3 SPF, 7742' - 48', 3 SPF, & WASATCH @ 7633' - 36', 4 SPF, 42 HOLES.
	14:32 - 15:17	0.75	COMP	36	E	P		STG #8) WHP = 385 PSI, BRK DWN PERFS 5.3 BPM @ 3023 PSI. INJ. TEST 9.7 BPM @ 2227 PSI. ISIP = 1768 PSI, FG = 0.66. PMP 240 BBLS 59.5 BPM @ 5130 PSI. 26/42 PERFS OPEN - 60%. MP 6105 PSI, MR 59.7 BPM, AP 4631 PSI, AR 55.4 BPM, ISIP = 2650 PSI, FG = 0.77, NPI = 882 PSI. PMPD 1849 BBLS SLK WTR, 88,528 LBS OTTOWA SND, 4,937 LBS TLC SND, 93,465 LBS TOTAL SND. (SI RAN @ 1.3/1000 THRU FRAC & 10/1000 IN FLUSH - 92 GAL)
	15:17 - 16:15	0.97	COMP	34	I	P		KILL PLUG) RIH W/HALCO 8K CBP & SET @ 7583'. POOH & LD TOOLS. RDMO SCHLUMBERGER WIRELINE & PMPG SERVICES.
12/3/2009	7:00 - 7:15	0.25	COMP	48		P		16:15 SWI - SDFN.
	7:15 - 16:30	9.25	COMP	30	A	P		DAY 5 - JSA & SM. NO H2S PRESENT. ROAD RIG FROM NBU 1021-19D TO NBU 921-27KT, MIRU, SPOT EQUIP.
								WHP = 0 PSI. ND FRAC VALVES, NU BOP. CHANGE OUT PIPE RAMS IN BOP. TALLY & PREP TBG. PU 3 7/8" HURRICANE MILL, POBS & XN NIPPLE. RIH ON NEW 2 3/8" TBG. TAG FILL @ 7576'. R/U PWR SWVL & PMP., PU TBG TO 7555' SWI.
12/4/2009	7:00 - 7:15	0.25	COMP	48		P		16:30 - SDFN - PREP TO DRLG OUT PLGS IN AM. DAY 6 - JSA & SM. NO H2S PRESENT.

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**US ROCKIES REGION
Operation Summary Report**

Well: NBU 921-27KT Spud Date: 3/18/2009 Spud Production: 3/12/2009
 Project: UTAH-UINTAH Site: NBU 921-27KT Rig Name No: SWABBCO 1/1
 Event: COMPLETION Start Date: 11/24/2009 End Date:
 Active Datum: RKB @5,031.00ft (above Mean Sea Level) UWI: 0/9/S/21/E/27/0/NESW/6/PM/S/1,527.00/W/0/1,821.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 - 17:30	10.25	COMP	44	C	P		<p>WHP = 0 PSI. EOT @ 7555'. RU RIG PMP, EST CIRC., PT BOP TO 3000 PSI. RIH TAG FILL @ 7576'. C/O 7' OF SND.</p> <p>CBP #1) DRLG OUT HALCO CBP @ 7583' IN 15 MIN. 500 PSI DIFF. RIH & TAG SND @ 7806'. C/O 32' OF SND. FCP = 150 PSI.</p> <p>CBP #2) DRLG OUT HALCO CBP @ 7838' IN 30 MIN. 1000 PSI DIFF. RIH & TAG SND @ 8116'. C/O 30' OF SND. FCP = 150 PSI.</p> <p>CBP #3) DRLG OUT HALCO CBP @ 8156' IN 30 MIN. 700 PSI DIFF. RIH & TAG SND @ 8491'. C/O 29' OF SND. FCP = 150 PSI.</p> <p>CBP #4) DRLG OUT HALCO CBP @ 8520' IN 15 MIN. 1100 PSI DIFF. RIH & TAG SND @ 8663'. C/O 27' OF SND. FCP = 175 PSI.</p> <p>CBP #5) DRLG OUT HALCO CBP @ 8690' IN 18 MIN. 600 PSI DIFF. RIH & TAG SND @ 8958'. C/O 26' OF SND. FCP = 325 PSI.</p> <p>CBP #6) DRLG OUT HALCO CBP @ 8984' IN 16 MIN. 1000 PSI DIFF. RIH & TAG SND @ 9233'. C/O 25' OF SND. FCP = 400 PSI.</p> <p>CBP #7) DRLG OUT HALCO CBP @ 9258' IN 20 MIN. 1200 PSI DIFF. RIH & TAG SND @ 9481'. C/O 33' OF SND. FCP = 425 PSI.</p> <p>CBP #8) DRLG OUT HALCO CBP @ 9514' IN 18 MIN. 700 PSI DIFF. RIH & TAG SND @ 9914'. C/O 15' OF SND. EOT @ 9929'. FCP = 500 PSI. PBTD @ 9931. CIRC WELL CLEAN.</p> <p>R/D PWR SWVL, POOH & LD 20 JTS ON FLOAT. (30 JTS TTL ON FLOAT). LAND TBG ON HANGER W/292 JTS NEW 2 3/8" 4.7# L80. EOT @ 9306.26'. XN NIPPLE @ 9304.06'. AVG 20 MIN/PLUG, C/O 231' OF SND.</p> <p>RD FLOOR & TBG EQUIP. ND BOP, DROP BALL, NUWH. PMP OF BIT @ 1700 PSI. WAIT 30 MIN FOR BIT TO FALL TO BTM. OPEN WELL TO F.B.T. ON 20 CHOKE. FTP = 100 PSI, SICP = 2200 PSI. TURN WELL TO F.B.C. RD SERVICE UNIT.</p> <p>17:30 - SDFWE.</p> <p>FRAC 12,615 BBLS C/O 380 BBLS TOTAL 12,995 BBLS RECOVERED 3,810 BBLS LTR 9,185 BBLS</p>
12/7/2009	12:30 -		PROD	50				<p>WELL TURNED TO SALE @ 1230 HR ON 12/7/09 - FTP 2150#, CP 2520#, 1.5 MCFD, 45 BWPD, 20/64 CK</p>

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

AMENDED REPORT FORM 8
(highlight changes)

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

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT or CA AGREEMENT NAME
UNIT # 891008900A

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

9. API NUMBER:
4304740170

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

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

12. COUNTY
UINTAH

13. STATE
UTAH

17. ELEVATIONS (DF, RKB, RT, GL):
5013' GL

21. DEPTH BRIDGE MD
PLUG SET: TVD

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 _____

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

3. ADDRESS OF OPERATOR: P.O. BOX 173779 CITY DENVER STATE CO ZIP 80217
PHONE NUMBER: (720) 929-6100

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: NESW 1527 FSL & 1821 FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH: 1276 FSL 1928 FWL per HSM review

14. DATE SPUDDED: 3/12/2009
15. DATE T.D. REACHED: 8/20/2009
16. DATE COMPLETED: 12/7/2009
ABANDONED READY TO PRODUCE

18. TOTAL DEPTH: MD 9,980 TVD 9,974
19. PLUG BACK T.D.: MD 9,931 TVD 9,925
20. IF MULTIPLE COMPLETIONS, HOW MANY? *

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

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#		2,421		680			
7 7/8"	4 1/2 I-80	11.6#		9,977		1837			

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"	9,929							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	7,633	7,636			7,633 7,636	0.36	12	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) MESAVERDE	7,742	9,864			7,742 9,864	0.36	312	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7,633-9,864	PMP 12,615 BBLs SLICK H2O & 513,254 LBS 30/50 SD.

29. ENCLOSED ATTACHMENTS:
 ELECTRICAL/MECHANICAL LOGS
 SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION
 GEOLOGIC REPORT
 CORE ANALYSIS
 DST REPORT
 OTHER: _____
 DIRECTIONAL SURVEY

30. WELL STATUS:
PROD

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 12/7/2009		TEST DATE: 12/9/2009		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,067	WATER – BBL: 700	PROD. METHOD: FLOWING
CHOKE SIZE: 16/64	TBG. PRESS. 1,750	CSG. PRESS. 2,900	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 2,067	WATER – BBL: 700	INTERVAL STATUS: 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	1,526				
MAHOGANY	2,219				
WASATCH	4,879	7,702			
MESAVERDE	7,803	9,880			

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 1/12/2010

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

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Scientific Drilling
Rocky Mountain Operations

END OF WELL REPORT

Prepared For:

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

Prepared By:

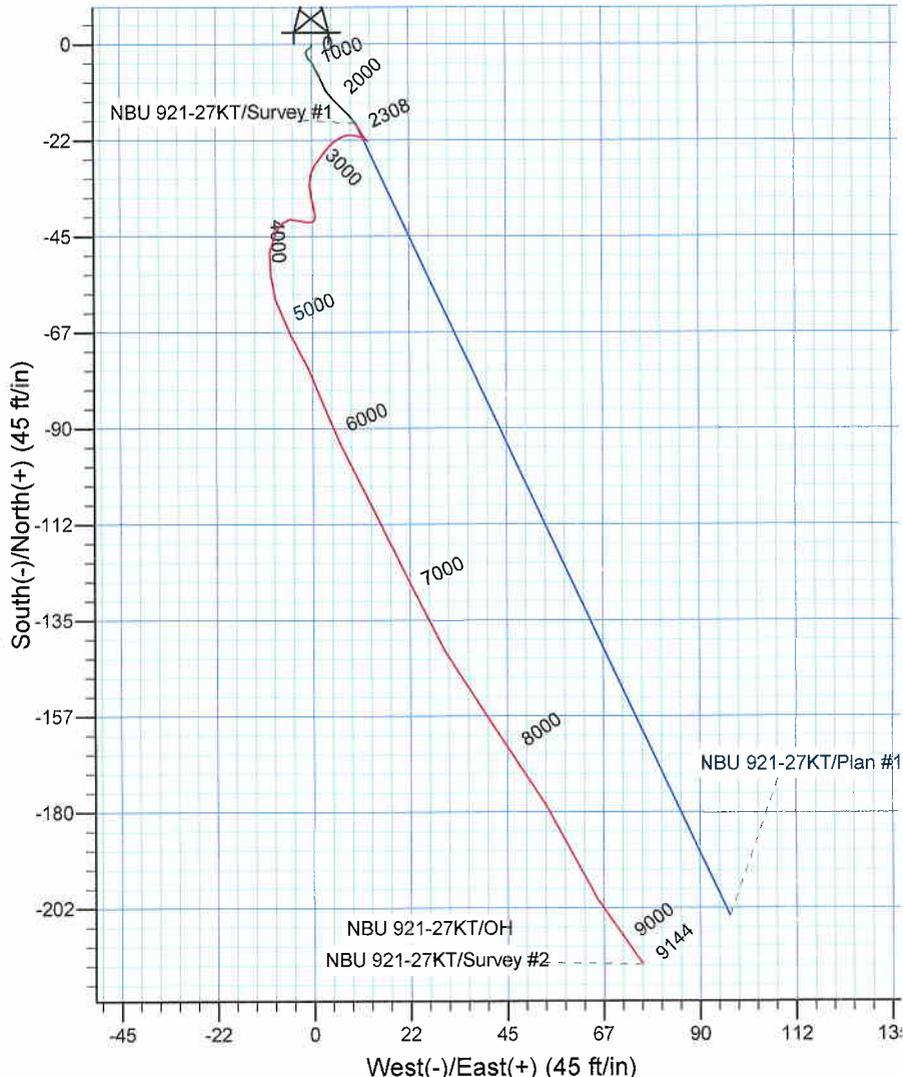
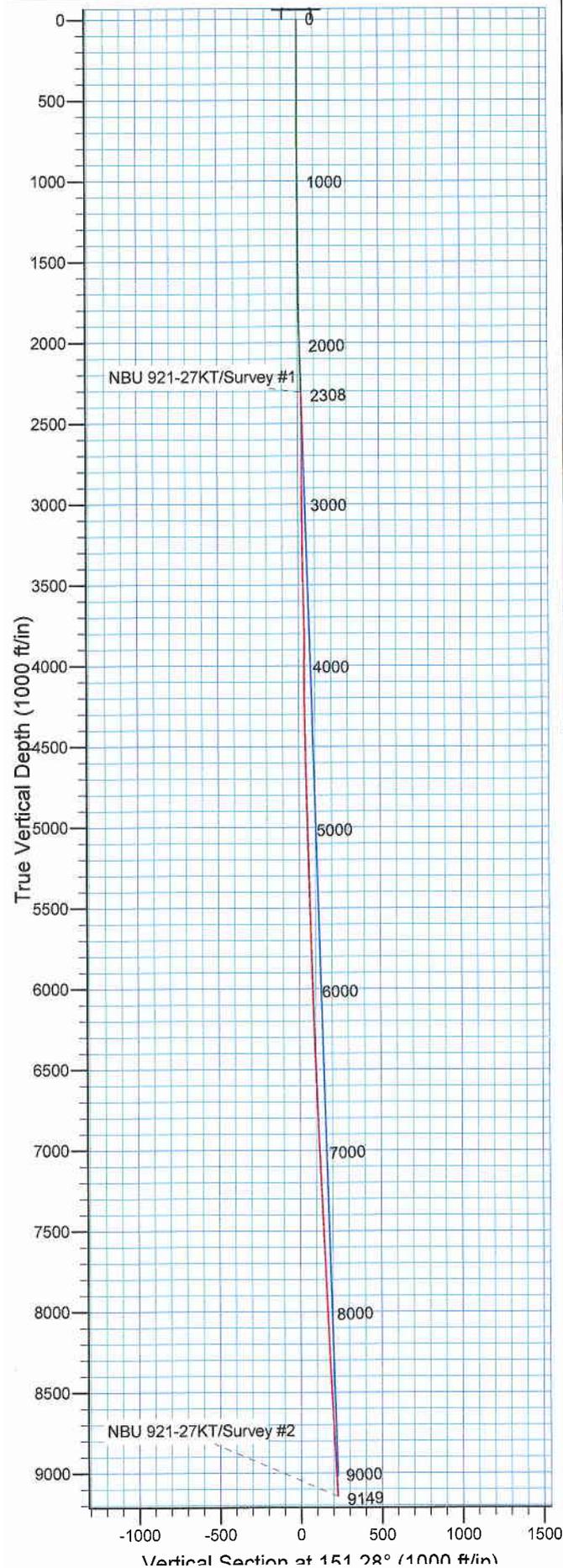
Rex Hall, Grand Junction D.E.
Scientific Drilling
Rocky Mountain Region

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

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WELL DETAILS: NBU 921-27KT

Ground Level: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)					
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
0.00	0.00	14530848.22	2049257.49	40° 0' 14.386 N	109° 32' 24.363 W

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REFERENCE INFORMATION

Co-ordinate (N/E) Reference: Well NBU 921-27KT, True North
Vertical (TVD) Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
Section (VS) Reference: Slot - (0.00N, 0.00E)
Measured Depth Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
Calculation Method: Minimum Curvature
Local North: True
Location: Sec 27 T9S R21E

PROJECT DETAILS: Uintah County, UT UTM12

Coordinate System: Universal Transverse Mercator (US Survey Feet)
Datum: NAD 1927 - Western US
Ellipsoid: Clarke 1866
Zone: Zone 12N (114 W to 108 W)

Survey: Survey #2 (NBU 921-27KT/OH)

Created By: Rex Hall Date: 2009-08-21

Kerr McGee Oil and Gas Onshore LP

**Uintah County, UT UTM12
NBU 921-27KT
NBU 921-27KT
OH**

Survey: Survey #2

Standard Survey Report

21 August, 2009

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DIV. OF OIL, GAS & MINING**

Scientific Drilling International
Survey Report

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JAN 19 2010

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 921-27KT
Well: NBU 921-27KT
Wellbore: OH
Design: OH

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:

DIV OF OIL, GAS & MINING
GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
True
Minimum Curvature
EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 921-27KT, Sec 27 T9S R21E				
Site Position:		Northing:	14,530,848.22 ft	Latitude:	40° 0' 14.386 N
From:	Lat/Long	Easting:	2,049,257.49 ft	Longitude:	109° 32' 24.363 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.94 °

Well	NBU 921-27KT, 1525' FSL 1820' FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,530,848.22 ft	Latitude:	40° 0' 14.386 N
	+E/-W	0.00 ft	Easting:	2,049,257.49 ft	Longitude:	109° 32' 24.363 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,014.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	8/9/2009	11.31	65.92	52,538

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	18.00	0.00	0.00	151.28	

Survey Program	Date 8/21/2009				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
218.00	2,308.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
2,496.00	9,149.00	Survey #2 (OH)	MWD SDI	MWD - Standard ver 1.0.1	

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)	
2,308.00	1.75	154.97	2,307.78	-18.68	10.22	21.29	0.00	0.00	0.00	
2,496.00	1.01	136.02	2,495.72	-22.47	12.59	25.75	0.46	-0.39	-10.08	
First SDI Production MWD Survey										
2,590.00	0.56	336.87	2,589.72	-22.64	12.98	26.10	1.64	-0.48	-169.31	
2,781.00	1.79	278.25	2,780.68	-21.36	9.66	23.37	0.82	0.64	-30.69	
2,878.00	1.59	240.82	2,877.64	-21.80	6.99	22.47	1.13	-0.21	-38.59	
2,972.00	1.51	233.53	2,971.61	-23.17	4.85	22.65	0.23	-0.09	-7.76	
3,067.00	1.46	209.41	3,066.58	-24.97	3.25	23.46	0.66	-0.05	-25.39	
3,161.00	1.30	222.30	3,160.55	-26.80	1.95	24.44	0.37	-0.17	13.71	
3,255.00	1.32	211.71	3,254.53	-28.51	0.66	25.32	0.26	0.02	-11.27	
3,348.00	1.50	199.17	3,347.50	-30.57	-0.30	26.66	0.38	0.19	-13.48	
3,444.00	1.60	174.01	3,443.46	-33.09	-0.58	28.74	0.71	0.10	-26.21	

Scientific Drilling International

Survey Report

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 921-27KT
Well: NBU 921-27KT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 921-27KT
TVD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
MD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
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)	
3,540.00	1.70	170.42	3,539.42	-35.83	-0.20	31.32	0.15	0.10	-3.74	
3,636.00	2.06	164.74	3,635.37	-38.90	0.49	34.35	0.42	0.37	-5.92	
3,729.00	0.86	203.85	3,728.34	-41.15	0.65	36.40	1.61	-1.29	42.05	
3,824.00	1.34	270.52	3,823.33	-41.79	-0.75	36.29	1.34	0.51	70.18	
3,919.00	1.41	289.83	3,918.30	-41.38	-2.96	34.87	0.49	0.07	20.33	
4,014.00	1.28	263.49	4,013.28	-41.11	-5.11	33.59	0.66	-0.14	-27.73	
4,109.00	1.38	223.02	4,108.25	-42.06	-6.95	33.55	0.97	0.11	-42.60	
4,204.00	1.38	212.01	4,203.22	-43.87	-8.34	34.46	0.28	0.00	-11.59	
4,424.00	1.41	183.37	4,423.16	-48.82	-9.90	38.05	0.31	0.01	-13.02	
4,645.00	1.42	171.11	4,644.09	-54.24	-9.64	42.93	0.14	0.00	-5.55	
4,867.00	1.55	168.70	4,866.02	-59.90	-8.62	48.38	0.06	0.06	-1.09	
5,183.00	1.67	146.96	5,181.90	-67.95	-5.27	57.05	0.20	0.04	-6.88	
5,498.00	1.69	157.01	5,496.76	-76.07	-0.96	66.25	0.09	0.01	3.19	
5,817.00	1.58	158.49	5,815.63	-84.50	2.49	75.30	0.04	-0.03	0.46	
6,133.00	2.07	156.13	6,131.47	-93.77	6.40	85.30	0.16	0.16	-0.75	
6,449.00	2.32	150.86	6,447.24	-104.57	11.82	97.39	0.10	0.08	-1.67	
6,923.00	2.57	156.22	6,920.81	-122.68	20.78	117.57	0.07	0.05	1.13	
7,398.00	2.74	150.63	7,395.30	-142.32	30.64	139.53	0.07	0.04	-1.18	
7,875.00	2.36	143.61	7,871.83	-160.16	42.06	160.66	0.10	-0.08	-1.47	
8,347.00	2.94	149.29	8,343.32	-178.39	54.01	182.39	0.13	0.12	1.20	
8,823.00	3.20	153.23	8,818.64	-200.75	66.23	207.87	0.07	0.05	0.83	
9,010.72	3.21	144.02	9,006.07	-209.68	71.67	218.32	0.27	0.01	-4.91	
NBU 921027KT PBHL										
9,149.00	3.27	137.39	9,144.13	-215.71	76.62	225.99	0.27	0.04	-4.79	
Last SDI Production MWD Survey										

Targets

Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
NBU 921027KT PBHL	0.00	0.00	9,018.00	0.00	0.00	14,530,848.22	2,049,257.49	40° 0' 14.386 N	109° 32' 24.363 W
- survey misses target center by 221.91ft at 9010.58ft MD (9005.93 TVD, -209.67 N, 71.67 E)									
- Point									

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
2,496.00	2,495.72	-22.47	12.59	First SDI Production MWD Survey
9,149.00	9,144.13	-215.71	76.62	Last SDI Production MWD Survey

Checked By: _____ Approved By: _____ Date: _____

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Kerr McGee Oil and Gas Onshore LP

Uintah County, UT UTM12

NBU 921-27KT

NBU 921-27KT

OH

Survey: Survey #2

Survey Report - Geographic

21 August, 2009

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Scientific Drilling International

Survey Report - Geographic

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 921-27KT
Well: NBU 921-27KT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 921-27KT
TVD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
MD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Project	Uintah County, UT UTM12		
Map System:	Universal Transverse Mercator (US Survey Feet)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site	NBU 921-27KT, Sec 27 T9S R21E				
Site Position:		Northing:	14,530,848.22 ft	Latitude:	40° 0' 14.386 N
From:	Lat/Long	Easting:	2,049,257.49 ft	Longitude:	109° 32' 24.363 W
Position Uncertainty:	0.00 ft	Slot Radius:	in	Grid Convergence:	0.94 °

Well	NBU 921-27KT, 1525' FSL 1820' FWL					
Well Position	+N/-S	0.00 ft	Northing:	14,530,848.22 ft	Latitude:	40° 0' 14.386 N
	+E/-W	0.00 ft	Easting:	2,049,257.49 ft	Longitude:	109° 32' 24.363 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,014.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2005-10	8/9/2009	11.31	65.92	52,538

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:		Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)
		18.00	0.00	0.00	151.28

Survey Program	Date	8/21/2009			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
218.00	2,308.00	Survey #1 (OH)	NS-GYRO-MS	North sensing gyrocompassing m/s	
2,496.00	9,149.00	Survey #2 (OH)	MWD SDI	MWD - Standard ver 1.0.1	

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Scientific Drilling International

Survey Report - Geographic

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 921-27KT
Well: NBU 921-27KT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 921-27KT
TVD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
MD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
2,308.00	1.75	154.97	2,307.78	-18.68	10.22	14,530,829.71	2,049,268.02	40° 0' 14.201 N	109° 32' 24.232 W
2,496.00	1.01	136.02	2,495.72	-22.47	12.59	14,530,825.96	2,049,270.45	40° 0' 14.164 N	109° 32' 24.201 W
First SDI Production MWD Survey									
2,590.00	0.56	336.87	2,589.72	-22.64	12.98	14,530,825.79	2,049,270.84	40° 0' 14.162 N	109° 32' 24.196 W
2,781.00	1.79	278.25	2,780.68	-21.36	9.66	14,530,827.02	2,049,267.50	40° 0' 14.175 N	109° 32' 24.239 W
2,878.00	1.59	240.82	2,877.64	-21.80	6.99	14,530,826.54	2,049,264.84	40° 0' 14.171 N	109° 32' 24.273 W
2,972.00	1.51	233.53	2,971.61	-23.17	4.85	14,530,825.13	2,049,262.73	40° 0' 14.157 N	109° 32' 24.301 W
3,067.00	1.46	209.41	3,066.58	-24.97	3.25	14,530,823.31	2,049,261.15	40° 0' 14.139 N	109° 32' 24.321 W
3,161.00	1.30	222.30	3,160.55	-26.80	1.95	14,530,821.46	2,049,259.88	40° 0' 14.121 N	109° 32' 24.338 W
3,255.00	1.32	211.71	3,254.53	-28.51	0.66	14,530,819.73	2,049,258.62	40° 0' 14.104 N	109° 32' 24.355 W
3,348.00	1.50	199.17	3,347.50	-30.57	-0.30	14,530,817.65	2,049,257.69	40° 0' 14.084 N	109° 32' 24.367 W
3,444.00	1.60	174.01	3,443.46	-33.09	-0.58	14,530,815.13	2,049,257.46	40° 0' 14.059 N	109° 32' 24.370 W
3,540.00	1.70	170.42	3,539.42	-35.83	-0.20	14,530,812.40	2,049,257.88	40° 0' 14.032 N	109° 32' 24.366 W
3,636.00	2.06	164.74	3,635.37	-38.90	0.49	14,530,809.34	2,049,258.62	40° 0' 14.002 N	109° 32' 24.357 W
3,729.00	0.86	203.85	3,728.34	-41.15	0.65	14,530,807.09	2,049,258.82	40° 0' 13.979 N	109° 32' 24.355 W
3,824.00	1.34	270.52	3,823.33	-41.79	-0.75	14,530,806.43	2,049,257.43	40° 0' 13.973 N	109° 32' 24.373 W
3,919.00	1.41	289.83	3,918.30	-41.38	-2.96	14,530,806.80	2,049,255.21	40° 0' 13.977 N	109° 32' 24.401 W
4,014.00	1.28	263.49	4,013.28	-41.11	-5.11	14,530,807.04	2,049,253.05	40° 0' 13.980 N	109° 32' 24.429 W
4,109.00	1.38	223.02	4,108.25	-42.06	-6.95	14,530,806.05	2,049,251.24	40° 0' 13.970 N	109° 32' 24.452 W
4,204.00	1.38	212.01	4,203.22	-43.87	-8.34	14,530,804.22	2,049,249.88	40° 0' 13.952 N	109° 32' 24.470 W
4,424.00	1.41	183.37	4,423.16	-48.82	-9.90	14,530,799.25	2,049,248.40	40° 0' 13.903 N	109° 32' 24.490 W
4,645.00	1.42	171.11	4,644.09	-54.24	-9.64	14,530,793.83	2,049,248.75	40° 0' 13.850 N	109° 32' 24.487 W
4,867.00	1.55	168.70	4,866.02	-59.90	-8.62	14,530,788.19	2,049,249.85	40° 0' 13.794 N	109° 32' 24.474 W
5,183.00	1.67	146.96	5,181.90	-67.95	-5.27	14,530,780.19	2,049,253.33	40° 0' 13.714 N	109° 32' 24.431 W
5,498.00	1.69	157.01	5,496.76	-76.07	-0.96	14,530,772.14	2,049,257.78	40° 0' 13.634 N	109° 32' 24.375 W
5,817.00	1.58	158.49	5,815.63	-84.50	2.49	14,530,763.78	2,049,261.37	40° 0' 13.551 N	109° 32' 24.331 W
6,133.00	2.07	156.13	6,131.47	-93.77	6.40	14,530,754.57	2,049,265.43	40° 0' 13.459 N	109° 32' 24.281 W
6,449.00	2.32	150.86	6,447.24	-104.57	11.82	14,530,743.86	2,049,271.03	40° 0' 13.352 N	109° 32' 24.211 W
6,923.00	2.57	156.22	6,920.81	-122.68	20.78	14,530,725.90	2,049,280.28	40° 0' 13.173 N	109° 32' 24.096 W
7,398.00	2.74	150.63	7,395.30	-142.32	30.64	14,530,706.42	2,049,290.46	40° 0' 12.979 N	109° 32' 23.969 W
7,875.00	2.36	143.61	7,871.83	-160.16	42.06	14,530,688.77	2,049,302.17	40° 0' 12.803 N	109° 32' 23.822 W
8,347.00	2.94	149.29	8,343.32	-178.39	54.01	14,530,670.74	2,049,314.42	40° 0' 12.623 N	109° 32' 23.669 W
8,823.00	3.20	153.23	8,818.64	-200.75	66.23	14,530,648.59	2,049,327.00	40° 0' 12.402 N	109° 32' 23.512 W
9,010.72	3.21	144.02	9,008.07	-209.68	71.67	14,530,639.75	2,049,332.59	40° 0' 12.313 N	109° 32' 23.442 W
NBU 921027KT PBHL									
9,149.00	3.27	137.39	9,144.13	-215.71	76.62	14,530,633.79	2,049,337.64	40° 0' 12.254 N	109° 32' 23.378 W
Last SDI Production MWD Survey									

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Survey Report - Geographic

Company: Kerr McGee Oil and Gas Onshore LP
Project: Uintah County, UT UTM12
Site: NBU 921-27KT
Well: NBU 921-27KT
Wellbore: OH
Design: OH

Local Co-ordinate Reference: Well NBU 921-27KT
TVD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
MD Reference: GL 5014' & RKB 18' @ 5032.00ft (Pioneer 69)
North Reference: True
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.16 Multi-User Db

Targets									
Target Name	Dip Angle	Dip Dir.	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
- hit/miss target	(°)	(°)	(ft)	(ft)	(ft)	(ft)	(ft)		
- Shape									
NBU 921027KT PBHL	0.00	0.00	9,018.00	0.00	0.00	14,530,848.22	2,049,257.49	40° 0' 14.386 N	109° 32' 24.363 W
- survey misses target center by 221.91ft at 9010.58ft MD (9005.93 TVD, -209.67 N, 71.67 E)									
- Point									

Survey Annotations				
Measured Depth	Vertical Depth	Local Coordinates		Comment
(ft)	(ft)	+N/-S (ft)	+E/-W (ft)	
2,496.00	2,495.72	-22.47	12.59	First SDI Production MWD Survey
9,149.00	9,144.13	-215.71	76.62	Last SDI Production MWD Survey

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Scientific Drilling
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1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well Information

Well	NBU 921-27KT	Wellbore No.	OH
Well Name	NBU 921-27KT	Common Name	NBU 921-27KT
Project	UTAH-UINTAH	Site	NBU 921-27KT
Vertical Section Azimuth	0.00 (°)	North Reference	True
Origin N/S	0.0 (ft)	Origin E/W	0.0 (ft)
Spud Date	3/18/2009	UWI	0/9/S/21/E/27/O/NESW/6/PM/S/1,527.00/W/O/1,821.00/O/0
Active Datum	RKB @5,031.00ft (above Mean Sea Level)		

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2 Survey Name

2.1 Survey Name: GYRO 032609

Survey Name	GYRO 032609	Company	MULTI-SHOT
Started	3/26/2009	Ended	
Tool Name	GMS	Engineer	

2.1.1 Tie On Point

MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
18.00	0.00	0.00	18.00	0.00	0.00

2.1.2 Survey Stations

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/26/2009	Tie On	18.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NORMAL	118.00	0.00	0.00	118.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NORMAL	218.00	0.25	170.43	218.00	-0.22	0.04	-0.22	0.25	0.25	0.00	170.43
	NORMAL	318.00	0.25	222.32	318.00	-0.59	-0.07	-0.59	0.22	0.00	51.89	115.94
	NORMAL	418.00	0.25	239.22	418.00	-0.86	-0.41	-0.86	0.07	0.00	16.90	98.45
	NORMAL	518.00	0.25	244.12	518.00	-1.07	-0.79	-1.07	0.02	0.00	4.90	92.45
	NORMAL	618.00	0.25	223.02	618.00	-1.33	-1.14	-1.33	0.09	0.00	-21.10	-100.55
	NORMAL	718.00	0.25	183.91	718.00	-1.70	-1.30	-1.70	0.17	0.00	-39.11	-109.55
	NORMAL	818.00	0.25	164.29	817.99	-2.13	-1.26	-2.13	0.09	0.00	-19.62	-99.81
	NORMAL	918.00	0.25	152.19	917.99	-2.53	-1.10	-2.53	0.05	0.00	-12.10	-96.05
	NORMAL	1,018.00	0.25	162.09	1,017.99	-2.93	-0.93	-2.93	0.04	0.00	9.90	94.95
	NORMAL	1,118.00	0.25	140.98	1,117.99	-3.31	-0.72	-3.31	0.09	0.00	-21.11	-100.55
	NORMAL	1,218.00	0.25	130.88	1,217.99	-3.62	-0.42	-3.62	0.04	0.00	-10.10	-95.05
	NORMAL	1,318.00	0.25	139.78	1,317.99	-3.93	-0.11	-3.93	0.04	0.00	8.90	94.45
	NORMAL	1,418.00	0.25	148.67	1,417.99	-4.29	0.14	-4.29	0.04	0.00	8.89	94.44
	NORMAL	1,518.00	0.25	164.57	1,517.99	-4.68	0.31	-4.68	0.07	0.00	15.90	97.95
	NORMAL	1,618.00	0.50	148.42	1,617.99	-5.26	0.60	-5.26	0.27	0.25	-16.15	-31.13
	NORMAL	1,718.00	1.00	149.21	1,717.98	-6.39	1.27	-6.39	0.50	0.50	0.79	1.58
	NORMAL	1,818.00	1.50	158.01	1,817.95	-8.35	2.21	-8.35	0.53	0.50	8.80	25.44
	NORMAL	1,918.00	1.50	148.80	1,917.92	-10.68	3.38	-10.68	0.24	0.00	-9.21	-94.60

2.1.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (")	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
3/26/2009	NORMAL	2,018.00	1.25	134.60	2,017.89	-12.57	4.83	-12.57	0.42	-0.25	-14.20	-133.22
	NORMAL	2,118.00	1.75	135.39	2,117.86	-14.42	6.68	-14.42	0.50	0.50	0.79	2.76
	NORMAL	2,218.00	1.50	132.19	2,217.81	-16.39	8.72	-16.39	0.27	-0.25	-3.20	-161.64
	NORMAL	2,308.00	1.75	154.97	2,307.78	-18.42	10.18	-18.42	0.76	0.28	25.31	80.48

2.2 Survey Name: Survey #1

Survey Name	Survey #1	Company	SDI
Started	8/13/2009	Ended	
Tool Name	MWD	Engineer	Anadarko

2.2.1 Tie On Point

MD (ft)	Inc (")	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)
0.00	0.00	0.00	0.00	0.00	0.00

2.2.2 Survey Stations

Date	Type	MD (ft)	Inc (")	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
8/13/2009	Tie On	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8/13/2009	NORMAL	118.00	0.00	0.00	118.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	NORMAL	218.00	0.25	170.43	218.00	-0.22	0.04	-0.22	0.25	0.25	0.00	170.43
	NORMAL	318.00	0.25	222.32	318.00	-0.59	-0.07	-0.59	0.22	0.00	51.89	115.94
	NORMAL	418.00	0.25	239.22	418.00	-0.86	-0.41	-0.86	0.07	0.00	16.90	98.45
	NORMAL	518.00	0.25	244.12	518.00	-1.07	-0.79	-1.07	0.02	0.00	4.90	92.45
	NORMAL	618.00	0.25	233.02	618.00	-1.30	-1.16	-1.30	0.05	0.00	-11.10	264.45
	NORMAL	718.00	0.25	183.91	718.00	-1.65	-1.35	-1.65	0.21	0.00	-49.11	245.45
	NORMAL	818.00	0.25	164.29	817.99	-2.07	-1.31	-2.07	0.09	0.00	-19.62	260.19
	NORMAL	918.00	0.25	152.19	917.99	-2.48	-1.15	-2.48	0.05	0.00	-12.10	263.95
	NORMAL	1,018.00	0.25	162.09	1,017.99	-2.88	-0.98	-2.88	0.04	0.00	9.90	94.95
	NORMAL	1,118.00	0.25	140.98	1,117.99	-3.26	-0.77	-3.26	0.09	0.00	-21.11	259.45
	NORMAL	1,218.00	0.25	130.88	1,217.99	-3.57	-0.47	-3.57	0.04	0.00	-10.10	264.95
	NORMAL	1,318.00	0.25	139.78	1,317.99	-3.88	-0.17	-3.88	0.04	0.00	8.90	94.45
	NORMAL	1,418.00	0.25	148.67	1,417.99	-4.23	0.09	-4.23	0.04	0.00	8.89	94.44
	NORMAL	1,518.00	0.25	164.57	1,517.99	-4.63	0.26	-4.63	0.07	0.00	15.90	97.95
	NORMAL	1,618.00	0.50	148.42	1,617.99	-5.21	0.55	-5.21	0.27	0.25	-16.15	328.87
	NORMAL	1,718.00	1.00	149.21	1,717.98	-6.33	1.22	-6.33	0.50	0.50	0.79	1.58
	NORMAL	1,818.00	1.50	158.01	1,817.95	-8.29	2.16	-8.29	0.53	0.50	8.80	25.44
	NORMAL	1,918.00	1.50	148.80	1,917.92	-10.63	3.33	-10.63	0.24	0.00	-9.21	265.40
	NORMAL	2,018.00	1.25	134.60	2,017.89	-12.51	4.78	-12.51	0.42	-0.25	-14.20	226.78
	NORMAL	2,118.00	1.75	135.39	2,117.86	-14.36	6.63	-14.36	0.50	0.50	0.79	2.76
	NORMAL	2,218.00	1.50	132.19	2,217.82	-16.33	8.67	-16.33	0.27	-0.25	-3.20	198.36
	NORMAL	2,308.00	1.75	154.97	2,307.78	-18.37	10.13	-18.37	0.76	0.28	25.31	80.48
	NORMAL	2,496.00	1.01	136.02	2,495.72	-22.16	12.49	-22.16	0.46	-0.39	-10.08	202.43
	NORMAL	2,590.00	0.56	336.87	2,589.72	-22.33	12.89	-22.33	1.64	-0.48	-169.31	187.41
8/14/2009	NORMAL	2,781.00	1.79	278.25	2,780.68	-21.05	9.57	-21.05	0.82	0.64	-30.69	283.69
	NORMAL	2,878.00	1.59	240.82	2,877.64	-21.49	6.89	-21.49	1.13	-0.21	-38.59	241.38
	NORMAL	2,972.00	1.51	233.53	2,971.61	-22.86	4.76	-22.86	0.23	-0.09	-7.76	244.30
	NORMAL	3,067.00	1.46	209.41	3,066.58	-24.66	3.16	-24.66	0.66	-0.05	-25.39	253.44
	NORMAL	3,161.00	1.30	222.30	3,160.55	-26.49	1.85	-26.49	0.37	-0.17	13.71	123.61
	NORMAL	3,255.00	1.32	211.71	3,254.53	-28.20	0.57	-28.20	0.26	0.02	-11.27	269.42
	NORMAL	3,348.00	1.50	199.17	3,347.50	-30.26	-0.40	-30.26	0.38	0.19	-13.48	293.89
	NORMAL	3,444.00	1.60	174.01	3,443.46	-32.78	-0.67	-32.78	0.71	0.10	-26.21	265.65
	NORMAL	3,540.00	1.70	170.42	3,539.42	-35.52	-0.29	-35.52	0.15	0.10	-3.74	312.25

2.2.2 Survey Stations (Continued)

Date	Type	MD (ft)	Inc (°)	Azi (°)	TVD (ft)	N/S (ft)	E/W (ft)	V. Sec (ft)	DLeg (°/100ft)	Build (°/100ft)	Turn (°/100ft)	TFace (°)
8/14/2009	NORMAL	3,636.00	2.06	164.74	3,635.37	-38.58	0.40	-38.58	0.42	0.38	-5.92	329.78
	NORMAL	3,729.00	0.86	203.85	3,728.34	-40.84	0.56	-40.84	1.61	-1.29	42.05	158.72
	NORMAL	3,824.00	1.34	270.52	3,823.33	-41.48	-0.84	-41.48	1.34	0.51	70.18	104.98
	NORMAL	3,919.00	1.41	289.83	3,918.30	-41.07	-3.05	-41.07	0.49	0.07	20.33	91.14
	NORMAL	4,014.00	1.28	263.49	4,013.28	-40.79	-5.21	-40.79	0.66	-0.14	-27.73	245.16
	NORMAL	4,109.00	1.38	223.02	4,108.25	-41.75	-7.04	-41.75	0.97	0.11	-42.60	255.59
	NORMAL	4,204.00	1.38	212.01	4,203.22	-43.56	-8.43	-43.56	0.28	0.00	-11.59	264.50
	NORMAL	4,424.00	1.41	183.38	4,423.16	-48.51	-9.99	-48.51	0.31	0.01	-13.01	258.10
	NORMAL	4,645.00	1.42	171.11	4,644.10	-53.93	-9.73	-53.93	0.14	0.00	-5.55	265.75
	NORMAL	4,867.00	1.55	168.70	4,866.02	-59.59	-8.72	-59.59	0.06	0.06	-1.09	333.13
8/15/2009	NORMAL	5,183.00	1.69	157.01	5,181.90	-68.07	-6.06	-68.07	0.11	0.04	-3.70	287.04
	NORMAL	5,498.00	1.69	157.01	5,496.76	-76.62	-2.43	-76.62	0.00	0.00	0.00	0.00
	NORMAL	5,817.00	1.58	158.49	5,815.63	-85.04	1.02	-85.04	0.04	-0.03	0.46	159.74
	NORMAL	6,133.00	2.07	156.13	6,131.47	-94.31	4.93	-94.31	0.16	0.16	-0.75	350.10
	NORMAL	6,449.00	2.32	150.86	6,447.24	-105.12	10.35	-105.12	0.10	0.08	-1.67	318.43
	NORMAL	6,923.00	2.57	156.22	6,920.80	-123.22	19.31	-123.22	0.07	0.05	1.13	45.15
8/16/2009	NORMAL	7,398.00	2.74	150.63	7,395.29	-142.86	29.17	-142.86	0.07	0.04	-1.18	300.47
	NORMAL	7,875.00	2.36	143.61	7,871.82	-160.71	40.59	-160.71	0.10	-0.08	-1.47	215.95
8/17/2009	NORMAL	8,347.00	2.94	149.29	8,343.32	-178.94	52.53	-178.94	0.13	0.12	1.20	27.21
	NORMAL	8,828.00	3.20	153.23	8,823.63	-201.53	64.88	-201.53	0.07	0.05	0.82	41.04
8/18/2009	NORMAL	9,149.00	3.27	137.39	9,144.12	-216.26	75.11	-216.26	0.28	0.02	-4.93	266.54
8/21/2009	NORMAL	9,980.00	3.27	137.39	9,973.77	-251.15	107.21	-251.15	0.00	0.00	0.00	0.00