

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 1207	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: N/A	
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 922-29KT	
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: 1795' FSL & 1936' FWL LAT 40.004744 LON -109.465694 (NAD 27) AT PROPOSED PRODUCING ZONE: N/A				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 29 9S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 23.3 miles northeast of Ouray, Utah				12. COUNTY: Uintah	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1795'		16. NUMBER OF ACRES IN LEASE: 400		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: 9,300		20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4,951' 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#	2,250	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#	9,300	Premium Lite II	450 sx	3.38	11.0
					50/50 Poz G	1450 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 *Kevin McIntyre* DATE 7/1/2008

(This space for State use only)

API NUMBER ASSIGNED: 43-047-40177

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

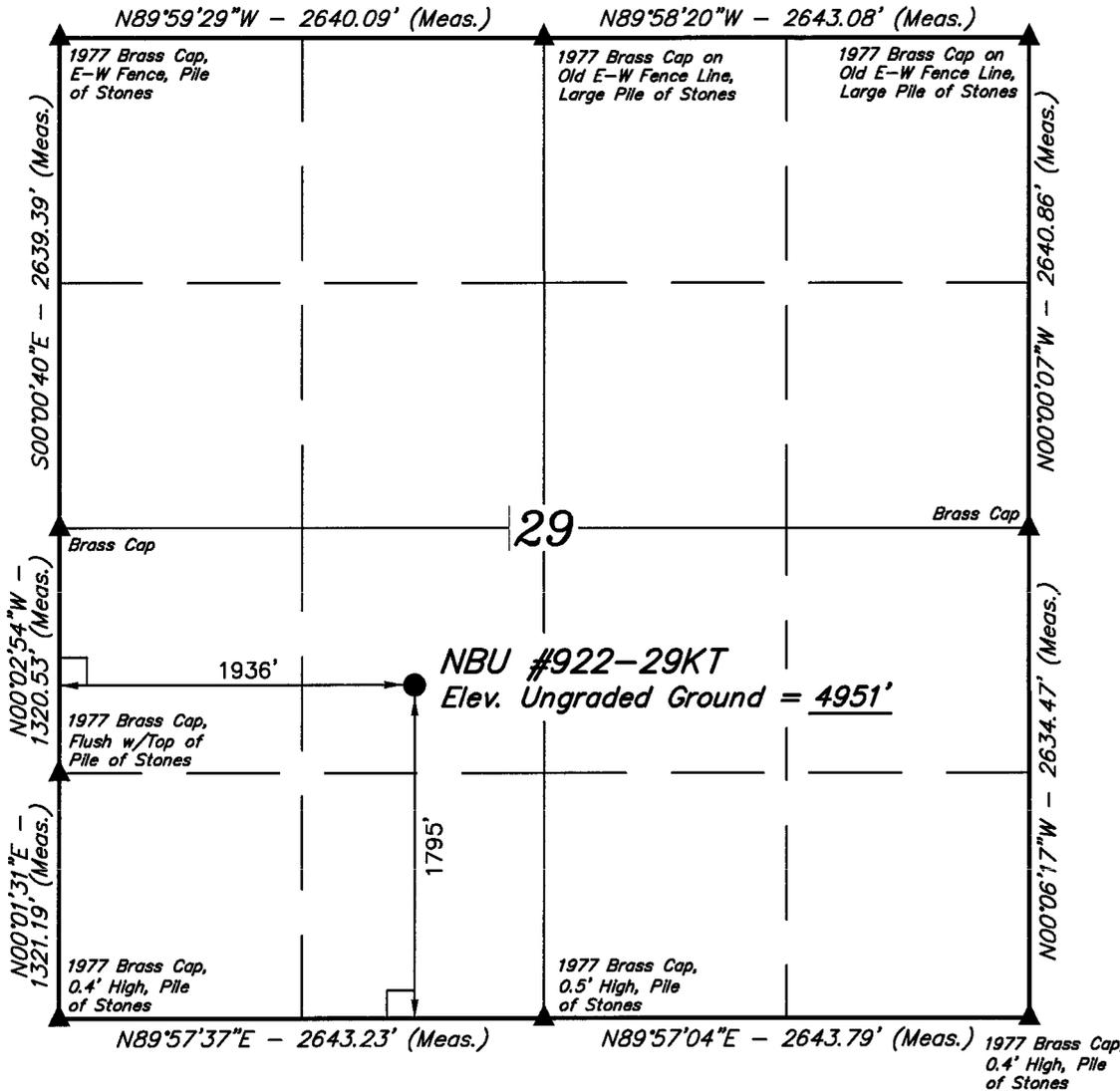
APPROVAL:
Date: 09-02-08
By: *[Signature]*

**RECEIVED
JUL 03 2008**

DIV. OF OIL, GAS & MINING

T9S, R22E, S.L.B.&M.

Kerr-McGee Oil & Gas Onshore LP
 Well location, NBU #922-29KT, located as shown in the NE 1/4 SW 1/4 of Section 29, T9S, R22E, S.L.B.&M., Uintah County, Utah.

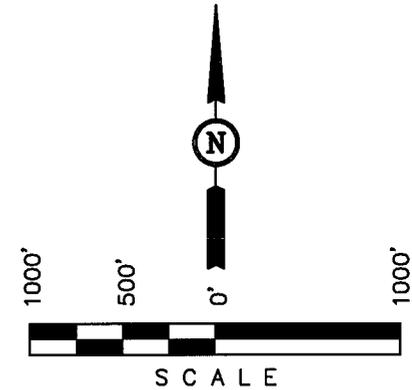


BASIS OF ELEVATION

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

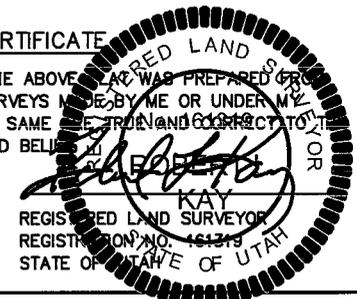
BASIS OF BEARINGS

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



CERTIFICATE

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



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

LEGEND:

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

(NAD 83)
 LATITUDE = 40°00'16.95" (40.004708)
 LONGITUDE = 109°27'58.97" (109.466381)
 (NAD 27)
 LATITUDE = 40°00'17.08" (40.004744)
 LONGITUDE = 109°27'56.50" (109.465694)

SCALE 1" = 1000'	DATE SURVEYED: 05-27-08	DATE DRAWN: 06-04-08
PARTY L.D.K. C.K. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 922-29KT
NESW Sec. 29, T9S,R22E
UINTAH COUNTY, UTAH
ST UO 1207**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1404'
Birds Nest	1695'
Mahogany	2168'
Wasatch	4618'
Mesaverde	7152'
MVU2	8101'
MVL1	8655'
TD	9300'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1404'
Water	Birds Nest	1695'
Water	Mahogany	2168'
Gas	Wasatch	4618'
Gas	Mesaverde	7152'
Gas	MVU2	8101'
Gas	MVL1	8655'
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 9300' TD, approximately equals 5766 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3720 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variances:**

Please refer to the attached Drilling Program.

Onshore Order #2 – Air Drilling Variance

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a variance to several requirements associated with air drilling outlined in Onshore Order 2

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

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

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

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

Background

In a typical well, KMG utilizes an air rig for drilling the surface casing hole, an interval from the surface to surface casing depths, which varies in depth from 1,700 to 2,800 feet.

The air rig drilling operation does not drill through productive or over pressured formations in KMG field, but does penetrate the Uinta and Green River Formations. The purpose of the air drilling operation is to overcome the severe loss circulation zone in the Green River known as the Bird's Nest while creating a stable hole for the surface casing. The surface casing hole is generally drilled to approximately 500 feet below the Bird's Nest.

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

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

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

Variance for BOPE Requirements

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

Variance for Mud Material Requirements

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

Variance for Special Drilling Operation (surface equipment placement) Requirements

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

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

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

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

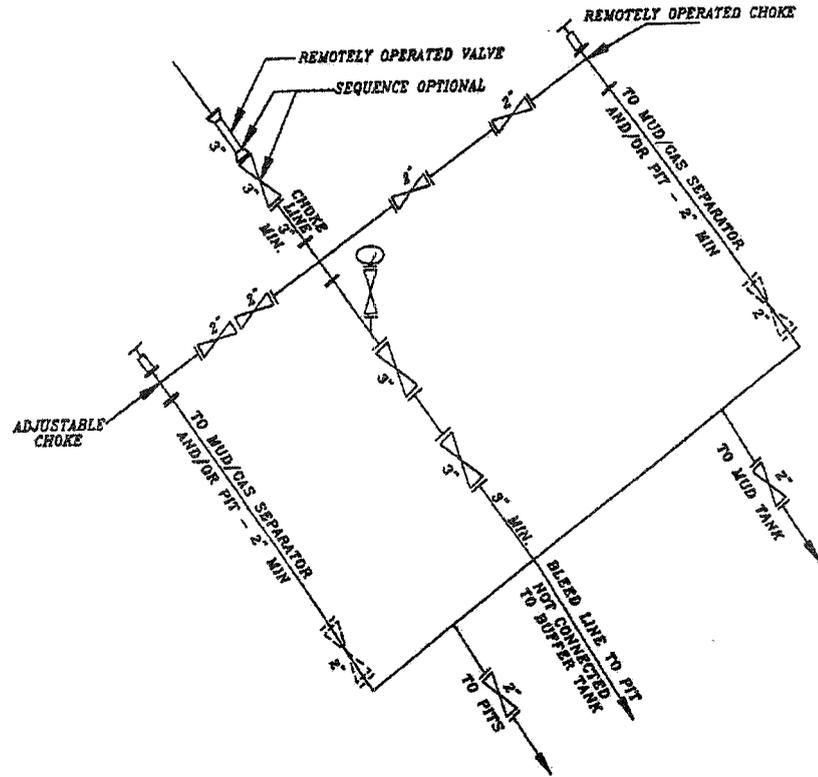
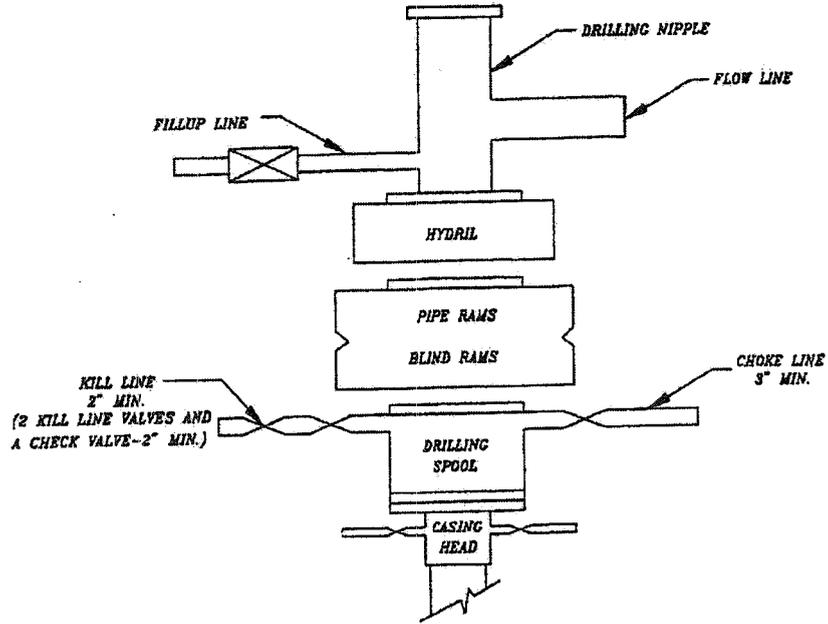
Conclusion

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 922-29KT
NESW SEC 29-T9S-R22E
Uintah County, UT
ST UO 1207

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 CIGE #219-29-9-22 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 CIGE #219-29-9-22 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

7/1/2008

Date



ERR-McGEE OIL & GAS ONSHORE L'
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2,250'	36.00	J-55	LTC	0.96	1.92	6.39
PRODUCTION	4-1/2"	0 to 9300	11.60	I-80	LTC	2.13	1.11	2.13

- 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 3720 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		NOTE: If well will circulate water to surface, option 2 will be utilized					
Option 2	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWO	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	4,110'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	450	60%	11.00	3.38
	TAIL	5,190'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1450	60%	14.30	1.31

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

FLOAT EQUIPMENT & CENTRALIZERS

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

ADDITIONAL INFORMATION

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

DRILLING ENGINEER: _____ **DATE:** _____
 Brad Laney
DRILLING SUPERINTENDENT: _____ **DATE:** _____
 Randy Bayne NBU 922-29KT.xls

Kerr-McGee Oil & Gas Onshore LP
NBU #922-29KT
SECTION 29, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 2.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 2.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN NORTHWESTERLY DIRECTION APPROXIMATELY 1.4 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH, TURN RIGHT AND PROCEED IN A NORTHERLY, THEN NORTHEASTERLY DIRECTION FOR APPROXIMATELY 0.2 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 55.3 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-29KT

LOCATED IN UINTAH COUNTY, UTAH
SECTION 29, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM PIT CORNER (D) TO LOCATION STAKE

CAMERA ANGLE: NORTHWESTERLY

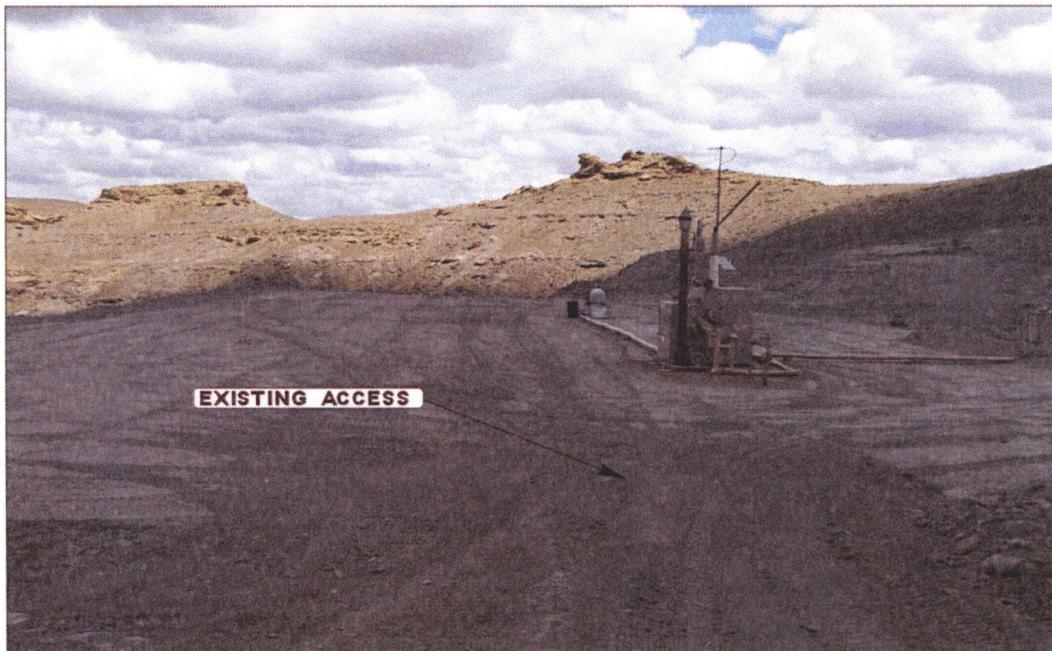


PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: NORTHEASTERLY



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

Since 1964

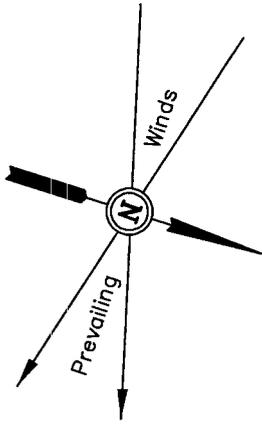
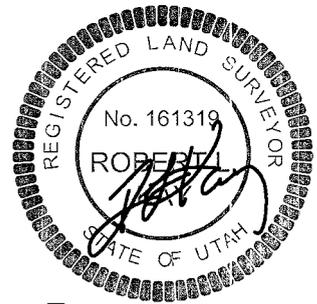
LOCATION PHOTOS	06 MONTH	13 DAY	08 YEAR	PHOTO
TAKEN BY: L.K.	DRAWN BY: J.C.		REVISED: 00-00-00	

Kerr-McGee Oil & Gas Onshore LP

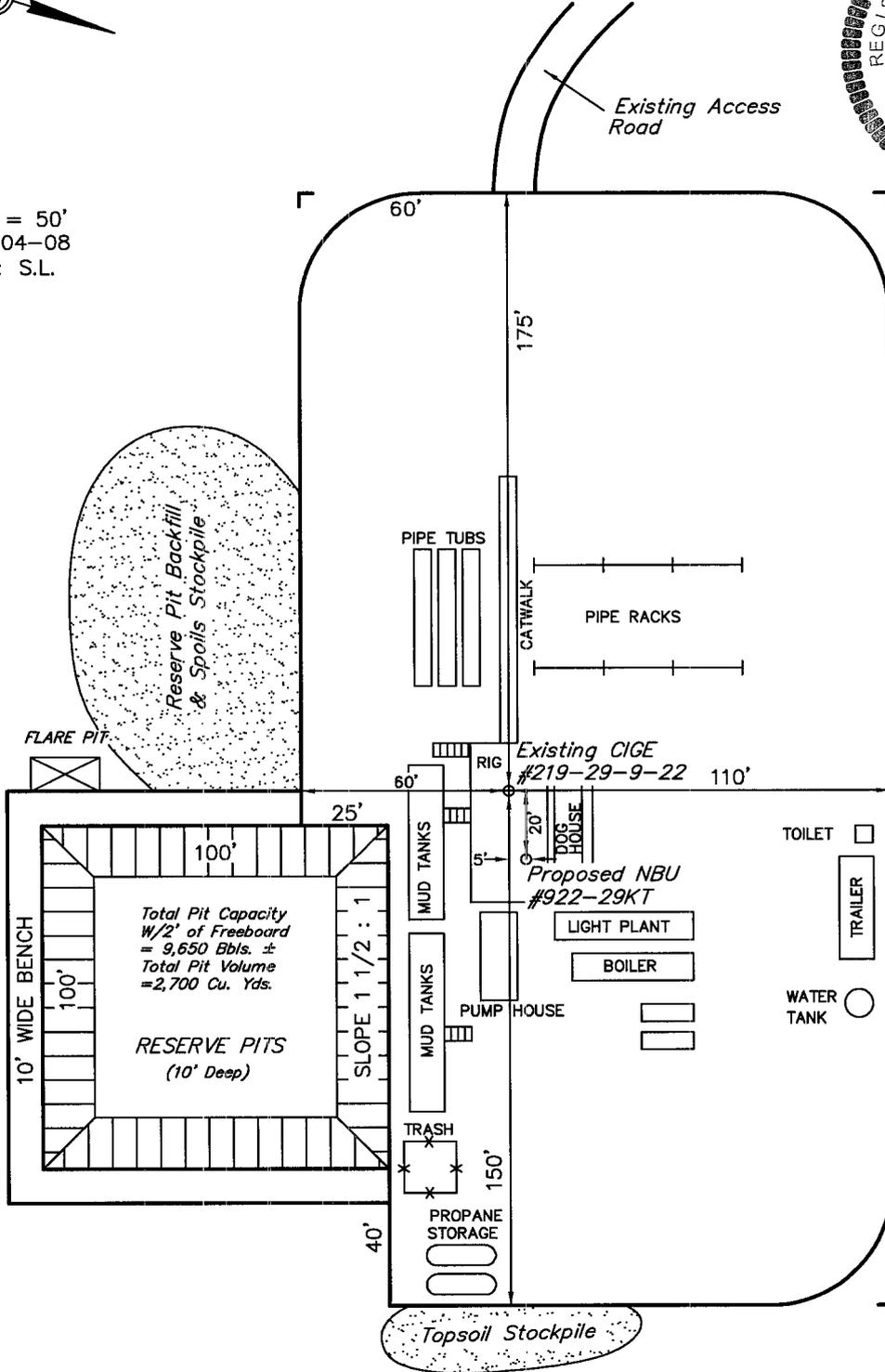
FIGURE #1

LOCATION LAYOUT FOR

NBU #922-29KT
SECTION 29, T9S, R22E, S.L.B.&M.
1795 FSL 1936' FWL

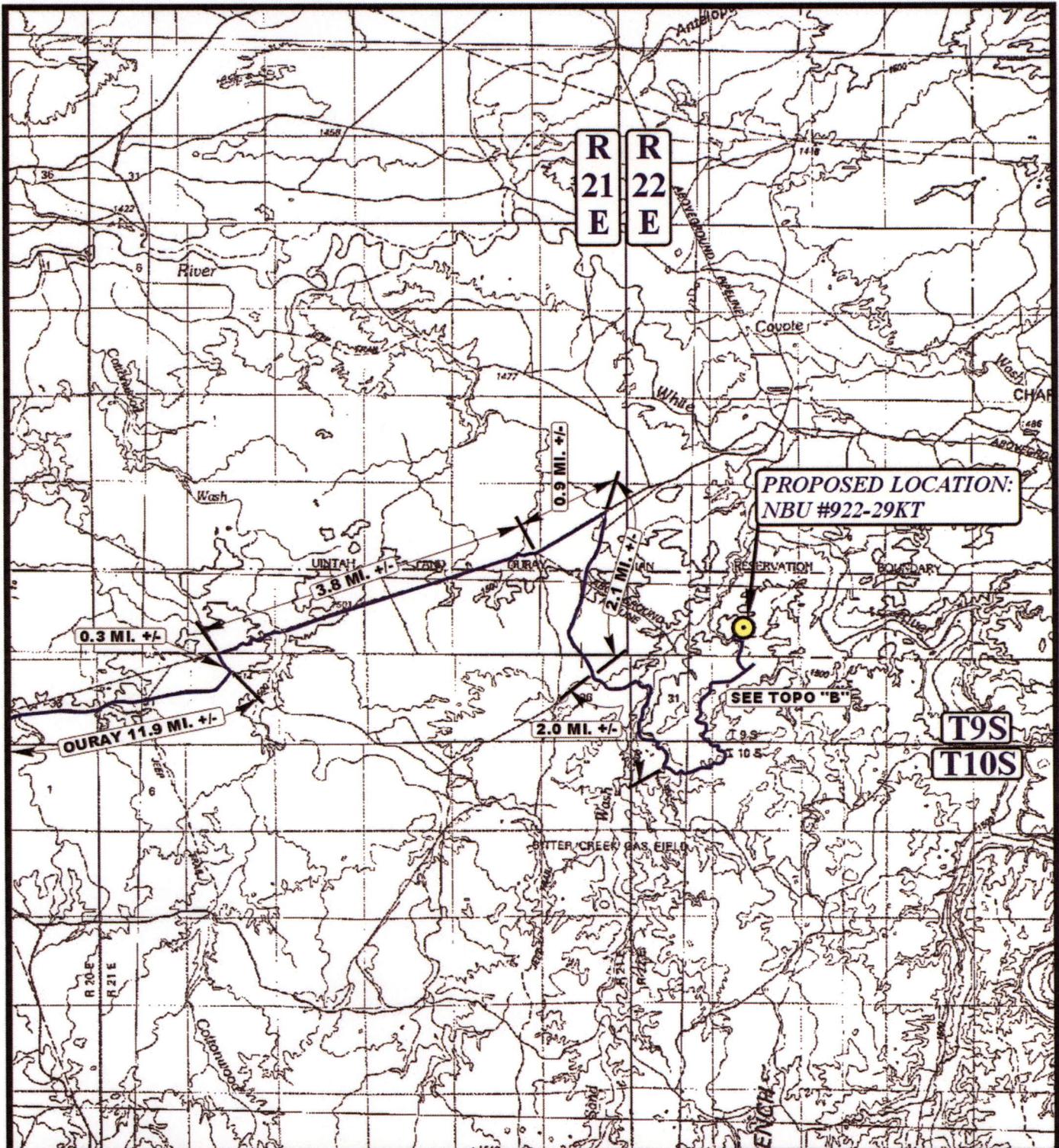


SCALE: 1" = 50'
DATE: 06-04-08
Drawn By: S.L.



NOTES:

FINISHED GRADE ELEV. AT LOC. STAKE = 4950.7'



**PROPOSED LOCATION:
NBU #922-29KT**

SEE TOPO "B"

**T9S
T10S**

LEGEND:

PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

**NBU #922-29KT
SECTION 29, T9S, R22E, S.L.B.&M.
1795' FSL 1936' FWL**



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

**TOPOGRAPHIC
MAP**

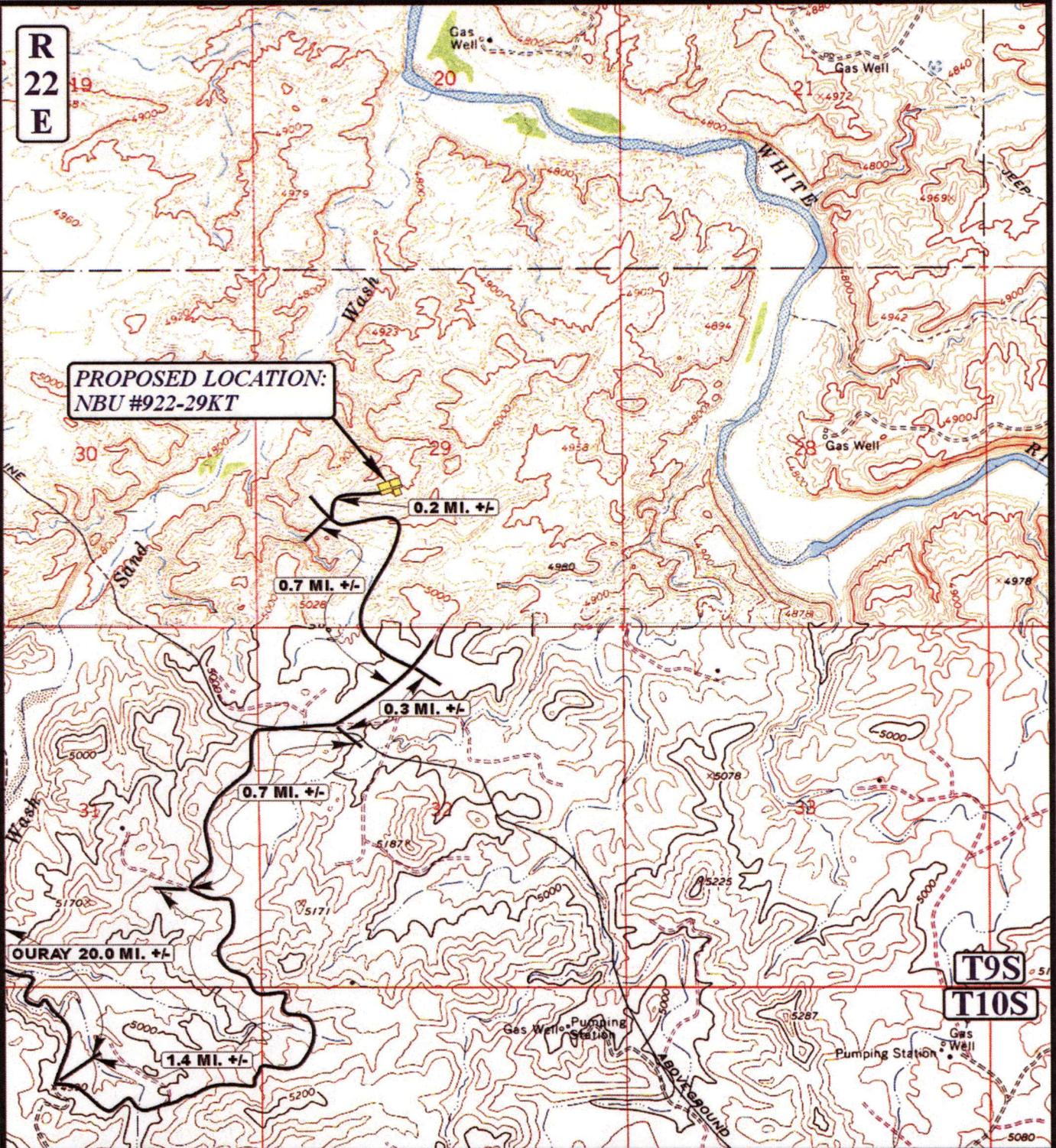
**06 13 08
MONTH DAY YEAR**

SCALE: 1:100,000 | DRAWN BY: J.C. | REVISED: 00-00-00



R
22
E

PROPOSED LOCATION:
NBU #922-29KT



T9S
T10S

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



Kerr-McGee Oil & Gas Onshore LP

NBU #922-29KT
SECTION 29, T9S, R22E, S.L.B.&M.
1795' FSL 1936' FWL



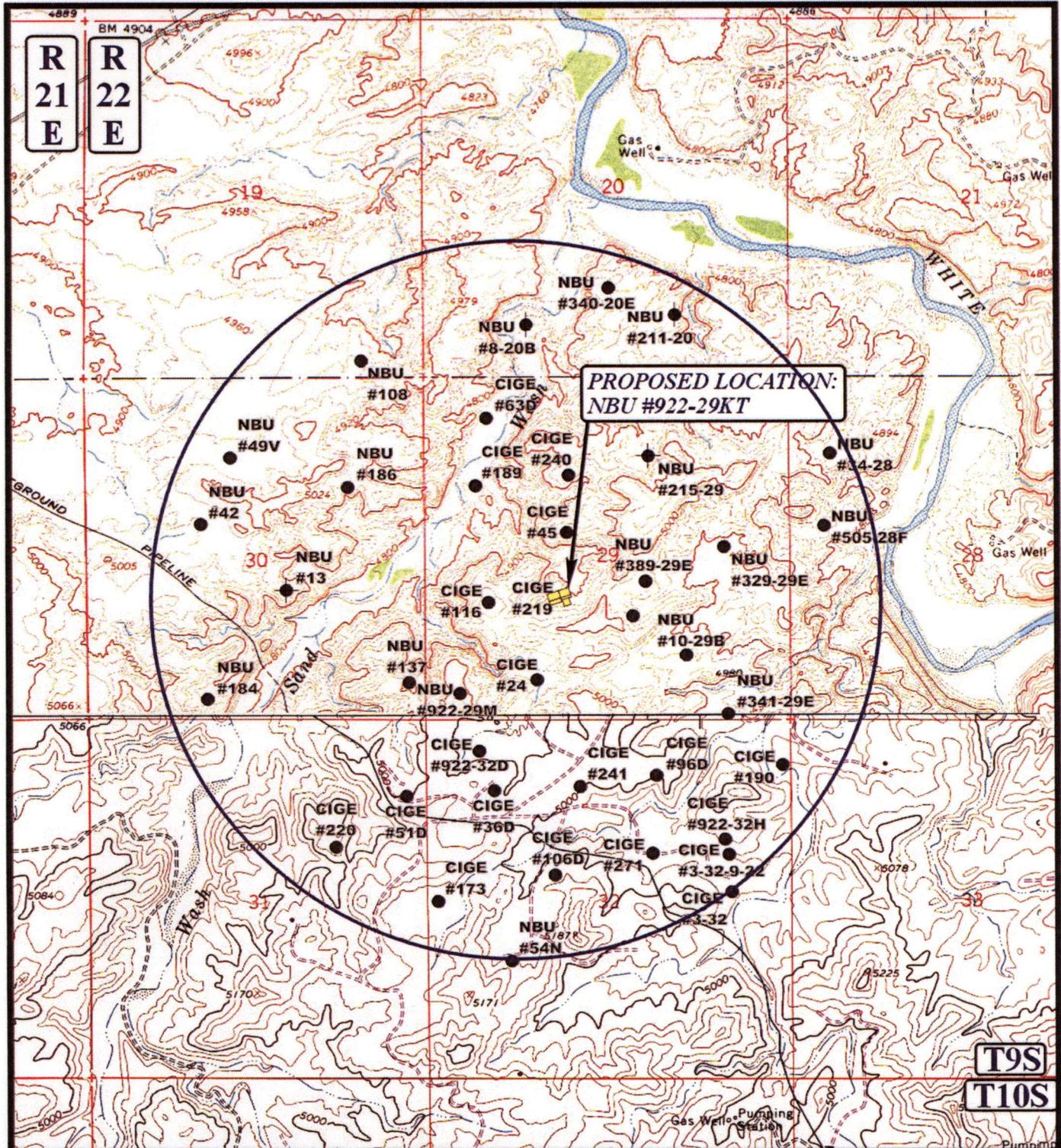
Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

06 13 08
MONTH DAY YEAR

**B
TOPO**

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



**PROPOSED LOCATION:
NBU #922-29KT**

LEGEND:

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

Kerr-McGee Oil & Gas Onshore LP

**NBU #922-29KT
SECTION 29, T9S, R22E, S.L.B.&M.
1795' FSL 1936' FWL**

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

TOPOGRAPHIC MAP 06 13 08
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: J.C. REVISED: 00-00-00 **C**
TOPO



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/03/2008

API NO. ASSIGNED: 43-047-40177

WELL NAME: NBU 922-29KT
 OPERATOR: KERR-MCGEE OIL & GAS (N2995)
 CONTACT: KEVIN MCINTYRE

PHONE NUMBER: 720-929-6226

PROPOSED LOCATION:
 NESW 29 090S 220E
 SURFACE: 1795 FSL 1936 FWL
 BOTTOM: 1795 FSL 1936 FWL
 COUNTY: UINTAH
 LATITUDE: 40.00475 LONGITUDE: -109.4656
 UTM SURF EASTINGS: 630972 NORTHINGS: 4429202
 FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DVED	8/28/08
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: ST UO 1207
 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: 123-14
Eff Date: 12-2-1999
Siting: 460' for 460' E line common Tract
- R649-3-11. Directional Drill

COMMENTS: Needs Permit (06-18-08)

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

Application for Permit to Drill

Statement of Basis

8/12/2008

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
859	43-047-40177-00-00		GW	S	No
Operator	KERR-MCGEE OIL & GAS ONSHORE, L.P.		Surface Owner-APD		
Well Name	NBU 922-29KT	Unit			
Field	UNDESIGNATED	Type of Work			
Location	NESW 29 9S 22E S 1795 FSL 1936 FWL GPS Coord (UTM) 630972E 4429202N				

Geologic Statement of Basis

Kerr McGee proposes to set 2,250' 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 2,900'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. 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 production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters up hole. The proposed casing and cement should adequately protect. Any usable ground water.

Brad Hill
APD Evaluator

8/11/2008
Date / Time

Surface Statement of Basis

The proposed NBU 922-29KT gas well is on the existing location of the CIGE #219 gas well. This well is planned to be plugged. A reserve pit will be re-dug in the southeast corner of the location. The pit size will be reduced to 70 feet in width and extended to 140 feet in length. The existing pad appears to be stable and should present no problems for drilling and operating the proposed well.

Floyd Bartlett
Onsite Evaluator

6/19/2008
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 922-29KT
API Number 43-047-40177-0 **APD No** 859 **Field/Unit** UNDESIGNATED
Location: 1/4,1/4 NESW **Sec** 29 **Tw** 9S **Rng** 22E 1795 FSL 1936 FWL
GPS Coord (UTM) 630967 4429203 **Surface Owner**

Participants

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

Regional/Local Setting & Topography

The proposed NBU 922-29KT gas well is on the existing location of the CIGE #219 gas well. This well is planned to be plugged. A reserve pit will be re-dug in the southeast corner of the location. The pit size will be reduced to 70 feet in width and extended to 140 feet in length. 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			

Ancillary Facilities

Waste Management Plan Adequate?

Environmental Parameters

Affected Floodplains and/or Wetland

Flora / Fauna

Existing location.

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	20
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 35 1 **Sensitivity Level**

Characteristics / Requirements

A reserve pit will be re-dug in the southeast corner of the location. The pit size will be reduced to 70 feet in width and extended to 140 feet in length.

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

Other Observations / Comments

Floyd Bartlett
Evaluator

6/19/2008
Date / Time

Casing Schematic

Surface

12 1/2" / 15 1/2"

TOC @ 0.

Uinta

TOC @ 360. → to surf w/ 10%, tail @ 1812'

*St. P ✓

1404' Green River

1695' Bird's Nest

1882' tail

2168' Mahogany

Surface

2250. MD

2900' ± BMSW

3248' tail

✓

468' Wasatch

7152' Mesaverde

8101' MV U2

8655' MV L1

9-5/8"
MW 8.3
Frac 19.3

4-1/2"
MW 11.8

Production
9300. MD

Stop surf. cont. ✓

Well name:	43047401770000 NBU 922-29KT	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Surface	Project ID: 43-047-40177-0000
Location:	Uintah County, Utah	

Design parameters:

Collapse

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

Burst

Max anticipated surface pressure: 1,980 psi
Internal gradient: 0.120 psi/ft
Calculated BHP: 2,250 psi

No backup mud specified.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Tension:

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

Tension is based on buoyed weight.
Neutral point: 1,973 ft

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 106 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,300 ft

Cement top: 360 ft

Completion type is subs
Non-directional string.

Re subsequent strings:

Next setting depth: 9,300 ft
Next mud weight: 11.800 ppg
Next setting BHP: 5,701 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,250 ft
Injection pressure: 2,250 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft ³)
1	2250	9.625	36.00	J-55	LT&C	2250	2250	8.796	976.6
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	974	2020	2.075	2250	3520	1.56	71	453	6.38 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Minerals

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: August 19, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2250 ft, a mud weight of 8.33 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

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

Well name:	43047401770000 NBU 922-29KT	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Production	Project ID: 43-047-40177-0000
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: 205 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,654 psi
Internal gradient: 0.220 psi/ft
Calculated BHP 5,701 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 air weight.
Neutral point: 7,659 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 (ft³)
1	9300	4.5	11.60	I-80	LT&C	9300	9300	3.875	811.6
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	4575	6360	1.390	5701	7780	1.36	108	212	1.97 J

Prepared by: Helen Sadik-Macdonald
Div of Oil, Gas & Minerals

Phone: (801) 538-5357
FAX: (801) 359-3940

Date: August 19, 2008
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9300 ft, a mud weight of 11.8 ppg. An internal gradient of .121 psi/ft was used for collapse from TD. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

BOPE REVIEW

Kerr-McGee NBU 922-29kT API 43-047-40177-0000

INPUT

Well Name

Kerr-McGee NBU 922-29kT		API 43-047-40177-0000	
String 1	String 2		
Casing Size (")	9 5/8	4 1/2	
Setting Depth (TVD)	2250	9300	
Previous Shoe Setting Depth (TVD)	40	2250	
Max Mud Weight (ppg)	8.4	11.8	✓
BOPE Proposed (psi)	500	5000	
Casing Internal Yield (psi)	3520	7780	
Operators Max Anticipated Pressure (psi)	5766	11.9 ppg	✓

Calculations

String 1		9 5/8 "	
Max BHP [psi]	$.052 * \text{Setting Depth} * \text{MW} =$	983	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	713	NO Air Drill to surface shoe with diverter
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	488	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	497	NO <i>Unexpected pressures - Breaks Nest LC possible</i>
Required Casing/BOPE Test Pressure			2250 psi
*Max Pressure Allowed @ Previous Casing Shoe =			40 psi
*Assumes 1psi/ft frac gradient			

Calculations

String 2		4 1/2 "	
Max BHP [psi]	$.052 * \text{Setting Depth} * \text{MW} =$	5706	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) [psi]	$\text{Max BHP} - (0.12 * \text{Setting Depth}) =$	4590	YES ✓
MASP (Gas/Mud) [psi]	$\text{Max BHP} - (0.22 * \text{Setting Depth}) =$	3660	YES
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	$\text{Max BHP} - .22 * (\text{Setting Depth} - \text{Previous Shoe Depth}) =$	4155	NO <i>reasonable</i>
Required Casing/BOPE Test Pressure			5000 psi
*Max Pressure Allowed @ Previous Casing Shoe =			2250 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
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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 2, 2008

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

Re: NBU 922-29KT Well, 1795' FSL, 1936' FWL, NE SW, Sec. 29, T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40177.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

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



Operator: Kerr-McGee Oil & Gas Onshore, LP
Well Name & Number NBU 922-29KT
API Number: 43-047-40177
Lease: ST UO 1207

Location: NE SW Sec. 29 T. 9 South R. 22 East

Conditions of Approval

1. General

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

2. Notification Requirements

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.

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
4304740177	NBU 922-29KT		NESW	29	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2910	10/30/2008			11/25/08	
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 10/30/2008 AT 1000 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)

Signature

REGULATORY ANALYST

Title

10/30/2008

Date

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DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: NBU 922-29KT
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		9. API NUMBER: 4304740177
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES FIELD
PHONE NUMBER: (435) 781-7024		
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1795' FSL, 1936' FWL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 29 9S 22E		STATE: UTAH

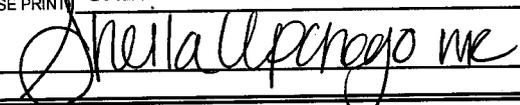
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 10/30/2008 AT 1000 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE REGULATORY ANALYST
SIGNATURE 	DATE 10/30/2008

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DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: NBU 922-29KT
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP		9. API NUMBER: 4304740177
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-7024
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1795' FSL, 1936' FWL		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES FIELD
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 29 9S 22E		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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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: <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 11/3/2008. DRILLED 12 1/4" SURFACE HOLE TO 2400'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/ 350 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/ 350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 130 +/- BBL CMT TO PIT. 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 S/ 250SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE	DATE <u>11/10/2008</u>

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			6. LEASE DESIGNATION AND SERIAL NUMBER: ST UO-1207
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.			8. 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 922-29KT
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY VERNAL STATE UT ZIP 84078		PHONE NUMBER: (435) 781-7024	9. API NUMBER: 4304740177
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1795'FSL, 1936'FWL			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 29 9S, 22E			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>FINAL DRILLING OPERATIONS</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.

FINISHED DRILLING FROM 2400' TO 9300' ON 12/11/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/580 SX PREM LITE II @12.2 PPG 3.00 YIELD. TAILED CMT W/1250 SX 50/50 POZ @14.3 PPG 1.31 YIELD. WASH LINES DROP PLUG & DISPLACE W/144 BBLs WATER W/CLAY STAY & MAGNACIDE PLUG DID NOT BUMP FINAL LIFT 2550 PSI RELEASE PSI AND FLOATS HELD HELD HAD 40 BBL OF CMT CIRC TO SURFACE. WASH THE STACK AND REMOVE THE SETTING TOOL INSTALL PACK OFF AND TEST CSG HEAD TO 5000 PSI. CLEAN PITS.

RELEASED ENSIGN RIGN 12 ON 12/13/2008 AT 0400 HRS.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE	DATE <u>12/15/2008</u>

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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-1207
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 922-29KT
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST CITY: VERNAL STATE: UT ZIP: 84078		PHONE NUMBER: (435) 781-7024	9. API NUMBER: 4304740177
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1795'FSL, 1936'FWL			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 29 9S, 22E			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>PRODUCTION START-UP</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.

THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 01/06/2009 AT 12:00 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>REGULATORY ANALYST</u>
SIGNATURE	DATE <u>1/8/2009</u>

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JAN 12 2009
DIV. OF OIL, GAS & MINING

Wins No.: 26945

NBU 922-29KT

Well Operations Summary Long

Operator KERR-MCGEE OIL & GAS ONSHORE LP	FIELD NAME NATURAL BUTTES	SPUD DATE 11/03/2008	GL 4,951	KB 4951	ROUTE V24
API 4304740177	STATE UTAH	COUNTY UINTAH	DIVISION ROCKIES		
Long/Lat.: 40.00474 / -109.46569		Q-Q/Sect/Town/Range: NWSE / 29 / 9S / 22E	Footages: 1,795.00' FSL 1,936.00' FWL		

Wellbore: NBU 922-29KT

MTD 9,260	TVD 9,255	PBMD	PBTVD
EVENT INFORMATION:	EVENT ACTIVITY: DRILLING	START DATE: 11/3/2008	AFE NO.: 2025007
	OBJECTIVE: DEVELOPMENT	END DATE: 12/2/2008	
	OBJECTIVE 2: ORIGINAL	DATE WELL STARTED PROD.:	
	REASON: MV, WAS	Event End Status: COMPLETE	

RIG OPERATIONS:	Begin Mobilization	Rig On Location	Rig Charges	Rig Operation Start	Finish Drilling	Rig Release	Rig Off Location
	11/03/2008	11/03/2008	11/03/2008	11/03/2008	11/06/2008	11/06/2008	11/06/2008

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation	MD:
11/3/2008	<u>SUPERVISOR:</u> LEW WELDON							1,202
	0:00 - 12:00	12.00	DRLSUR	02		P	MOVE IN AND RIG UP AIR RIG SPUD WELL @ 0000 HR 11/3/08 DA 600'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD HIT SOME WATER @ 690' AND 720' DA AT REPORT TIME 1200'	
11/4/2008	<u>SUPERVISOR:</u> LEW WELDON							1,622
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD 1380'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD HIT TRONA WATER @ 1590' CIRCULATING WITH SKID PUMP 1620'	
11/5/2008	<u>SUPERVISOR:</u> LEW WELDON							2,162
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2010'	
	12:00 - 0:00	12.00	DRLSUR	02		P	RIG DRILLING AHEAD CIRCULATING WITH SKID PUMP 2160' NO RETURNS	
11/6/2008	<u>SUPERVISOR:</u> LEW WELDON							2,402
	0:00 - 12:00	12.00	DRLSUR	02		P	RIG T/D @ 2400' CONDITION HOLE 1 HR	
	12:00 - 15:00	3.00	DRLSUR	05		P	TRIP DP OUT OF HOLE	
	15:00 - 18:00	3.00	DRLSUR	11		P	RUN 2360' OF 9 5/8 CSG AND RIG DOWN AIR RIG	
	18:00 - 19:00	1.00	DRLSUR	15		P	CEMENT 1ST STAGE WITH 350 SKS TAIL @ 15.8# 1.15 5.0 GAL/SK NO RETURNS THRU OUT JOB + - 130 PSI LIFT	
	19:00 - 19:30	0.50	DRLSUR	15		P	1ST TOP JOB 100 SKS DOWN BS WOC	
	19:30 - 21:30	2.00	DRLSUR	15		P	2ND TOP JOB 200 SKS DOWN BS WOC	
	21:30 - 23:30	2.00	DRLSUR	15		P	3RD TOP JOB 250 SKS DOWN BS GOOD CMT TO SURFACE AND STAYED AT SURFACE	
	23:30 - 23:30	0.00	DRLSUR				NO VISIBLE LEAKS PIT 50% FULL WORT	

Wins No.:	26945	NBU 922-29KT	API No.:	4304740177
11/29/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS		<u>MD:</u> 2,402	
	3:00 - 0:00	21.00	RDMO	01 E P RIG DOWN EQUIPMENT TO MOVE
11/30/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS		<u>MD:</u> 2,402	
	0:00 - 7:00	7.00	RDMO	01 E P RIG DOWN EQUIPMENT
	7:00 - 15:30	8.50	RDMO	01 A P SAFETY MEETING / MOBILIZE EQUIPMENT / MOVE EQUIPMENT / DE-MOBILIZE EQUIPMENT
	15:30 - 0:00	8.50	RDMO	01 B P RIG UP EQUIPMENT / RAISED DERRICK / INSTALL WINTER EQUIPMENT
12/1/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS		<u>MD:</u> 2,402	
	0:00 - 7:30	7.50	MIRU	01 B P RIG UP EQUIPMENT TO DRILL
	7:30 - 11:30	4.00	PRPSPD	13 A P NIPPLE UP B.O.P. + RELATED EQUIPMENT
	11:30 - 16:00	4.50	PRPSPD	13 C P PRESSURE TEST UPPER & LOWER KELLY VALVES, FLOOR VALVE & DART VALVE, BLIND RAMS & PIPE RAMS, INNER & OUTER BOP WING VALVES, KILL LINE & KILL LINE VALVES, CHOKE LINE + INNER & OUTER CHOKE MANIFOLD VALVES TO 250 PSI LOW @ 5 MINS & 5000 PSI @ 10 MINS HIGH / TEST ANNULAR TO 250 PSI LOW @ 5 MINS & 2500 PSI HIGH @ 10 MINS / TEST SURFACE CASING TO 1500 PSI @ 30 MINS / MAKE REPAIRS AS NEEDED
	16:00 - 16:30	0.50	PRPSPD	13 B P INSTALL WEAR BUSHING
	16:30 - 0:00	7.50	PRPSPD	05 A P SAFETY MEETING / M.I.R.U. WEATHERFORD / PICK UP DIRECTIONAL TOOLS + B.H.A. + DRILL PIPE TO TAG
12/2/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS		<u>MD:</u> 3,898	
	0:00 - 1:00	1.00	PRPSPD	05 A P FINISH PICKING UP DRILL STRING / TAG @ 2285' / R.D.M.O. WEATHERFORD EQUIPMENT
	1:00 - 2:00	1.00	PRPSPD	07 A Z CHANGE OUT KELLY SPINNER MOTOR
	2:00 - 4:00	2.00	PRPSPD	02 B P DRILL FLOAT TRAC
	4:00 - 15:00	11.00	DRLPRO	02 B P DRILL F/ 2402' - T/ 3247' (845' @ 76.81 fph) 39 vis - 9.1 ppg / 15k-18k wob - 55 rpm
	15:00 - 15:30	0.50	DRLPRO	06 A P RIG SERVICE / WORK ANNULAR / CHECK C.O.M. & DRILL LINE
	15:30 - 0:00	8.50	DRLPRO	02 B P DRILL F/ 3247' - T/ 3898' (651' @ 76.58 fph) 40 vis - 9.2 ppg / 14k-16k wob - 55-58 rpm
12/3/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS		<u>MD:</u> 5,405	
	0:00 - 15:00	15.00	DRLPRO	02 B P DRILL F/ 3898' - T/ 4882' (984' @ 65.6 fph) 48 vis - 9.9 ppg / 13k-16k wob - 55 rpm / STUCK @ 4491 WHILE MAKING CONNECTION - JARS TO GET LOOSE
	15:00 - 15:30	0.50	DRLPRO	06 A P SERVICE RIG / CHECK DRILL LINE / TEST C.O.M.
	15:30 - 0:00	8.50	DRLPRO	02 B P DRILL F/ 4882' - T/ 5405' (523' @ 61.52 fph) 47 vis - 10.0 ppg - 6% lcm / 17k wob - 55 rpm / SHAKERS BYPASSED @ 5200' - LCM ADDED TO 6%
12/4/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS		<u>MD:</u> 6,524	
	0:00 - 1:30	1.50	DRLPRO	02 B P DRILL F/ 5405' - T/ 5480' (75' @ 50 fph) 47 vis - 10.0 ppg - 6% lcm / 17k-18k wob - 55 rpm / DRILL SOLIDS CAUSING VIS TO CLIMB

1:30 - 16:00	14.50	DRLPRO	02	B	P	DRILL F/ 5480' - T/ 6270' (790' @ 54.48 fph) 58 vis - 10.3 ppg / 14k-18k wob - 42-60 rpm / DRILL SOLIDS CAUSING VIS TO CLIMB
1:30	0.00		06	A		RIG SERVICE / WORK PIPE RAMS / CHECK C.O.M.
16:00	14.50		02	B		DRILL F/ 5480' - T/ 6270' (790' @ 54.48 fph) 58 vis - 10.3 ppg / 14k-18k wob - 42-60 rpm / DRILL SOLIDS CAUSING VIS TO CLIMB
1:30	0.00		06	A		RIG SERVICE / WORK PIPE RAMS / CHECK C.O.M.
16:00 - 16:30	0.50	DRLPRO	06	A	P	RIG SERVICE / CHECK DRILL LINE / TEST C.O.H.
16:30 - 0:00	7.50	DRLPRO	02	B	P	DRILL F/ 6270' - T/ 6524' (254' @ 33.86 fph) 54 vis - 10.5 ppg / 17k-20k wob - 50-55 rpm / DRILL SOLIDS CAUSING VIS TO CLIMB

12/5/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS						<u>MD:</u> 7,031
0:00 - 1:30	1.50	DRLPRO	02	B	P	DRILL F/ 6524' - T/ 6582' (58' @ 38.66 fph) 54 vis - 10.5 ppg - 5% lcn / 16k-18k wob - 50 rpm	
1:30 - 2:00	0.50	DRLPRO	06	A	P	RIG SERVICE / WORK HCR VALVE / CHECK DRILL LINE	
2:00 - 15:30	13.50	DRLPRO	02	B	P	DRILL F/ 6582' - T/ 7031' (449' @ 33.25 fph) 50 vis - 10.7 ppg / 18k-23k wob - 45-60 rpm	
15:30 - 16:00	0.50	DRLPRO	06	A	P	RIG SERVICE / CHECK C.O.M. / CHECK DRILL LINE	
16:00 - 17:00	1.00	DRLPRO	04	C	P	CIRCULATE & CONDITION HOLE FOR TRIP / SAFETY MEETING W/ ENSIGN SAFETY COACH / MIX WEIGHT PILL	
17:00 - 23:00	6.00	DRLPRO	05	A	P	P.O.O.H. W/ BIT #1 / WORK THROUGH TIGHT HOLE @ 5396', 4571'-4544', 3406 & 3308'	
23:00 - 0:00	1.00	DRLPRO	05	A	P	L.D. I.B.S. / SERVICE DIRECTIONAL EQUIPMENT / CHANGE BITS	

12/6/2008	<u>SUPERVISOR:</u> KENNETH GATHINGS						<u>MD:</u> 7,487
0:00 - 0:30	0.50	DRLPRO	05	A	P	LAY DOWN IBS, SERVICE EM-MWD, CHANGE BITS	
0:30 - 5:00	4.50	DRLPRO	05	A	P	T.I.H. W/ BIT #2 / BREAK CIRCULATION AS NEEDED / WORRK THRU TIGHT SPOT @ 3460' W/ NO PROBLEMS	
5:00 - 6:00	1.00	DRLPRO	03	D	P	WASH & REAM F/ 6971' - T/ 7031' W/ 10' FILL ON BOTTOM	
6:00 - 16:30	10.50	DRLPRO	02	B	P	DRILL F/ 7031' - T/ 7394' (363' @ 34.57 fph)	
16:30 - 17:00	0.50	DRLPRO	06	A	P	RIG SERVICE / CHECK DRILL LINE & C.O.M.	
17:00 - 20:00	3.00	DRLPRO	04	D	X	MADE CONNECTION / LOST RETURNS AFTER DRILLING 2' / REGAINED 75% RETURNS WITH 150 BBLs PUMPED WHILE RAISING LCM TO 10%-15% / 98% RETURNS @ 170 BBLs LOST / CONDITION MUD & BUILD VOLUME	
20:00 - 0:00	4.00	DRLPRO	02	B	P	DRILL F/ 7394' - T/ 7487' (93' @ 31.0 fph) 48 vis - 10.9 ppg / 12% -15% LCM / 17k-20k wob - 50-55 rpm / STILL LOOSING 20 BBLs PER/HR WHILE DRILLING	

12/7/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR						<u>MD:</u> 8,330
0:00 - 1:30	1.50	DRLPRO	02	E	P	DRILL 7487'-7548' (61') 40.6'/HR. 18-20K WOB, 110 BIT RPM. 10.9 / 38 VIS	
1:30 - 2:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION TEST PIPE RAMS.	
2:00 - 16:30	14.50	DRLPRO	02	B	P	DRILL 7548'-8049' (501') 34.5'/HR. 18-20K WOB, 110 BIT RPM. 11.0/40	
16:30 - 17:00	0.50	DRLPRO	06	A	P	SERVICE RIG	

	17:00 - 0:00	7.00	DRLPRO	02	B	P	DRILL 8049'-8330' (281') 40.1'/HR. 18-20K WOB, 110 BIT RPM, 11.2/43
12/8/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR						<u>MD:</u> 8,657
	0:00 - 1:00	1.00	DRLPRO	02	B	P	DRILL 8330'-8361' (61') 18-20K WOB, 110 BIT RPM, 11.3/44.....15% LCM LOSSES 10 BPH
	1:00 - 1:30	0.50	DRLPRO	06	A	P	SERVICE RIG
	1:30 - 11:00	9.50	DRLPRO	02	B	P	DRILL 8361'-8657' (296') 31.1'/HR. 18-20K WOB, 110 BIT RPM, 11.5/44.....20% LCM
	11:00 - 12:30	1.50	DRLPRO	04	A	P	CIRCULATE BOTTOMS UP, MIX AND PUMP SLUG
	12:30 - 18:00	5.50	DRLPRO	05	A	P	POOH FOR BIT DUE TO SLOW PENETRATION RATE. WORK THROUGH TIGHT SPOT AT 4563'. MOTOR CHECK OK, MWD CHECK OK.
	18:00 - 20:00	2.00	DRLPRO	05	A	P	MAKE UP NEW HTC HC506X AND TIH WITH SAME TO SHOE, BREAK CIRCULATION.
	20:00 - 21:00	1.00	DRLPRO	06	D	P	SLIP AND CUT 100' DRILL LINE, CHANGE OUT BAILS.
	21:00 - 0:00	3.00	DRLPRO	05	A	P	CONTINUE IN HOLE, 4600' AT MIDNIGHT.
12/9/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR						<u>MD:</u> 8,844
	0:00 - 5:00	5.00	DRLPRO	05	A	P	FINISH IN HOLE, WASH 45' TO BOTTOM, NO FILL. PATTERN BIT.
	5:00 - 12:00	7.00	DRLPRO	02	B	P	DRILL 8657'-8797' (140') 20'/HR. 18-20K WOB, 100 BIT RPM, 12.0 / 44 VIS. LOST FULL RETURNS.
	12:00 - 17:30	5.50	DRLPRO	04	D	X	LOST FULL RETURNS WITH 24% LCM. RAISE LCM TO 28%, CIRCULATE WITH SPR AND LOST 21 BBLs THEN HAD FULL RETURNS. AT 4000 STKS WELL UNLOADED 50+/- BBL MUD WITH A 50' FLARE. CIRC. WELL DEAD. RAISE SYSTEM TO 30% LCM AND MW TO 12.1 PPG. BGG 760 TO 880 UNITS WITH 2' - 10' FLARE. WAIT ON LCM. STILL LOSING 10 BBLs / HR. LOST 130 BBLs.
	17:30 - 18:30	1.00	DRLPRO	04	B	X	UNLOAD TRUCK, MIX LCM TO 35% WITH CEDAR FIBER, NATUR SEAL AND BARO SEAL.
	18:30 - 19:00	0.50	DRLPRO	06	A	P	SERVICE RIG
	19:00 - 0:00	5.00	DRLPRO	02	B	P	DRILL 8797'-8844' (47') 9.4'/HR. 20-22K WOB, 100 BIT RPM, 11.2/45
12/10/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR						<u>MD:</u> 9,252
	0:00 - 17:30	17.50	DRLPRO	02	B	P	DRILL 8844'-9148' (304') 17.3'/HR. 18-22K WOB, 100 BIT RPM. 12.2 / 47...32% LCM
	17:30 - 18:00	0.50	DRLPRO	06	A	P	SERVICE RIG, FUNCTION PIPE RAMS. CHECK COM.
	18:00 - 0:00	6.00	DRLPRO	02	B	P	DRILL 9142'-9252' (110') 18.3'/HR. 18-22K WOB, 100 BIT RPM, 12.2/47...32% LCM
12/11/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR						<u>MD:</u> 9,300
	0:00 - 3:30	3.50	DRLPRO	02	B	P	DRIL 9252'-9300' (48') 13.7'/HR. 20-22K WOB, 100 BIT RPM, 12.2/47....32% LCM
	3:30 - 4:30	1.00	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP.
	4:30 - 7:30	3.00	DRLPRO	05	E	P	SHORT TRIP 25 STANDS. HOLE DID NOT TAKE ANY FILL FOR THE FIRST 20 STANDS.

Wins No.: 26945		NBU 922-29KT					API No.: 4304740177	
4:30	- 7:30	3.00	DRLPRO	05	E	P	SHORT TRIP 25 STANDS. HOLE DID NOT TAKE ANY FILL FOR THE FIRST 20 STANDS.	
7:30	- 11:30	4.00	DRLPRO	04	C	P	CIRCULATE BOTTOMS UP. BU CAME IN 32 MIN. EARLY, GAINED 27 BBLS BUT ONLY HAD 980 UNITS GAS, RAISE MW TO 12.4 PPG. HELD SAFETY MEETING, RU LAY DOWN MACH.	
11:30	- 12:30	1.00	DRLPRO	05	A	P	POOH LDDS, PULLED 624' OF PIPE, HOLE NOT TAKING ANY FLUID. GAINED 3 BBLS.	
12:30	- 13:00	0.50	DRLPRO	04	B	X	MIX 60 BBLS OF 14.4 PPG PILL, (50 BBL 14.2 PPG IN PIPE ALREADY FROM SLUG), PUMP 50 BBLS 12.2 PPG, PUMP 60 BBLS 14.4 PPG TO PLACE 50 BBL 14.2 PPG PILL ON ANULAS.	
13:00	- 14:30	1.50	DRLPRO	05	A	P	POOH STANDING BACK 30 STANDS DP, PULLED 20 STANDS BEFORE HOLE STARTED TAKING FLUID. HOLE TAKING NORMAL FILL.	
14:30	- 0:00	9.50	DRLPRO	05	A	P	POOH LDDS. TIGHT @ 5675' & 5604'. HOLE TOOK 8 EXTRA BBLS MUD AT 4105'. LDDS TO 650', TIH WITH 30 STDS. LDDS.	
12/12/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR						<u>MD:</u> 9,300	
0:00	- 1:30	1.50	DRLPRO	05	A	P	FINISH LDDS, BREAK KELLY, LD BHA.	
1:30	- 2:00	0.50	DRLPRO	13	B	P	PULL WEAR BUSHING	
2:00	- 7:00	5.00	EVALPR	08	A	P	HELD SAFETY MEETING, RU AND RUN TRIPLE COMBO LOG FROM 9308' TO SURFACE, GR FROM CASING SHOE TO SURFACE WITH HALLIBURTON. RD SAME. NO LEDGES NO PULLS.	
7:00	- 8:30	1.50	CSG	11	A	P	HELD SAFETY MEETING WITH TESCO, RU CASING CREW.	
8:30	- 17:00	8.50	CSG	11	B	P	RUN CSG. AS FOLLOWS: FLOAT SHOE, 1 JT. CSG. FLOAT COLLAR, 110 JTS. CSG. 1 MARKER JTS. SET AT 4634', 109 JTS. 4 1/2" 11.6 PPF I-80 CSG. OVER ALL LENGTH 9293.92' SET AT 9293.92'. CENTRALIZED WITH 15 BOW SPRINGS, 1 ON FIRST 3 JTS. THEN EVERY 3RD JT. SPACE OUT, INSTALL HANGER JOINT AND PLUG RETAINER.	
17:00	- 19:30	2.50	CSG	04	E	P	CIRCULATE BOTTOMS UP. HELD SAFETY MEETING WITH HALLIBURTON. RU SAME.	
19:30	- 23:00	3.50	CSG	15	A	P	HELD SAFETY MEETING: SWITCH TO HOWCO, TEST LINES TO 5000 PSI AND CEMENT 4 1/2" AS FOLLOWS: 10 BBLS WATER, 20 BBLS MUD FLUSH @ 8.4 PPG, 20 SKS PL2 SCAVENGER MIXED @ 9.5 PPG, LEAD W/ 580 SKS PL2 MIXED @ 12.2 PPG, TAIL W/ 1250 SKS 50:50 POZ MIXED @ 14.3 PPG, WASH LINES, DROP PLUG & DISPLACE W/ 144 BBLS WATER W/ CLAYSTAY & MAGNACIDE, PLUG DID NOT BUMP. FINAL LIFT PSI 2550 PSI. RELEASE PSI AND FLOATS HELD. HAD 40 BBLS OF CEMENT CIRCULATED TO THE SURFACE.	
23:00	- 0:00	1.00	CSG	18	A	P	WASH THE STACK AND REMOVE THE SETTING TOOL. INSTALL PACKOFF AND TEST CASING HEAD TO 5000 PSI.	
12/13/2008	<u>SUPERVISOR:</u> BRUCE TAYLOR						<u>MD:</u> 9,300	
0:00	- 4:00	4.00	RDMO	13	A	P	CLEAN PITS, RELEASE RIG @ 04:00 HRS. 12-13-08	

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 12/29/2008 AFE NO.: 2025007
 OBJECTIVE: DEVELOPMENT END DATE: 1/2/2009
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: MV, WAS Event End Status: COMPLETE

RIG OPERATIONS: Begin Mobilization Rig On Location Rig Charges Rig Operation Start Finish Drilling Rig Release Rig Off Location
 MILES 3 / 3 01/02/2009 01/02/2009

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
12/29/2008	SUPERVISOR: DOUG CHIVERS						MD:
	7:00 - 7:30	0.50	COMP	48		P	HSM. RIGGING DOWN & ROADING RIG
	7:30 - 12:00	4.50	COMP	30	A	P	RIG BROKE DOWN TWISTED DRIVE LINE. CHANGED PLANS TO RIGLESS FRAC. USING RIGS TWO TON WE ND WELL HEAD NU FRAC VALVES. MUIR WELL HEAD STAND & WELL HEAD HEATER. PREP TO PRESSURE TEST CASING & FRAC VALVES IN AM.
12/30/2008	SUPERVISOR: DOUG CHIVERS						MD:
	7:00 - 7:30	0.50	COMP	48		P	HSM. PRESSURE TESTING CASING
	7:30 - 8:30	1.00	COMP	33	C	P	MIRU B&C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 7,500 PSI. GOOD TEST. RDMO B&C QUICK TEST.
	8:30 - 15:30	7.00	COMP	36	B	P	MIRU BJ & CUTTERS TO PERFORATE & FRAC. STG 1) PU 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH PERFORATE 9,164' - 70' 4 SPF, 9,152' - 54' 4SPF, 9,102' - 04' 4SPF, 40 HOLES. WHP 53 PSI, BRK 3,989 PSI @ 3.1 BPM, ISIP 2,825 PSI, FG .75. PUMP 100 BBLS @ 50 BPM @ 5,300 PSI = 100% HOLES OPEN. ON FLUSH WE LOST DICHARGE FROM BLENDER WE WERE DOWN 5 MIN. THEN WE SCREENED OUT. WE FLOWED WELL BACK & RE-FLUSHED. MP 7,500 PSI, MR 54.4 BPM, AP 5,341 PSI, AR 53.3 BPM, ISIP 2,705 PSI, NPI -120, FG .74. PUMPED 1,448 BBLS SW & 49,867 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN TOTAL PROP 54,867 LBS. WHEN WE SCREENED OUT WE HAD 7,100 LBS IN CASING.
	15:30 - 18:40	3.17	COMP	36	B	P	STG 2) PU 4 1/2 8K BAKER CBP & 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET CBP @ 8,770' PERFORATE 8,735' - 40' 3 SPF, 8,692' - 95' 3SPF, 8,653' - 56' 3SPF, 8,616' - 18' 3SPF, 39 HOLES. WHP 366 PSI, BRK 3,753 PSI @ 3.1 BPM, ISIP 2,500 PSI, FG .74. PUMP 100 BBLS @ 50 BPM @ 5,100 PSI = 100% HOLES OPEN. AFTER PUMPING THE 1ST SWEEP WE HAD A 600 PSI INCREASE THEN ANOTHER 500 PSI INCREASE. 39% OF SAND PUMPED. SLOWED RATE FROM 54.5 BPM @ 6,700 PSI TO 40.7 BPM @ 6,200 PSI. BY THE END OF JOB WE WERE BACK TO 52.4 BPM @ 5,792 PSI. MP 6,773 PSI, MR 54.7 BPM, AP 5,962 PSI, AR 47.6 BPM, ISIP 2,913 PSI, NPI 413, FG .78. PUMPED 4,590 BBLS SW & 169,955 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN TOTAL PROP 174,955 LBS. SWI WINTERIZE WELL HEAD. SDFN
12/31/2008	SUPERVISOR: DOUG CHIVERS						MD:
	7:00 - 7:30	0.50	COMP	48		P	HSM. FRACING & PERFORATING
	7:30 - 11:40	4.17	COMP	36	B	P	STG 3) PU 4 1/2 8K BAKER CBP & 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH SET CBP @ 8,537' PERFORATE 8,504' - 07' 4SPF, 8,474' - 77' 4SPF, 8,424' - 28' 4SPF, 40 HOLES. WHP 2,200 PSI, BRK 3,515 PSI @ 4.6 BPM, ISIP 2,376 PSI, FG .73. PUMP 100 BBLS @ 51 BPM @ 5,000 PSI = 100% HOLES OPEN. MP 6,300 PSI, MR 56.8 BPM, AP 5,591 PSI, AR 55.5 BPM, ISIP 2,570 PSI, NPI 194, FG .75. PUMPED 4,254 BBLS SW & 150,055 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN TOTAL PROP 160,055 LBS.

	11:40 - 14:50	3.17	COMP	36	B	P	STG 4) PU 4 1/2 8K BAKER CBP & 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET CBP @ 8,334' PERFORATE 8,297' - 04' 3SPF, 8,260' - 64' 3SPF, 8,213' - 16' 3SPF, 42 HOLES. WHP 530 PSI, BRK 4,319 PSI @ 2.7 BPM, ISIP 2,410 PSI, FG .74. PUMP 100 BBLS @ 56 BPM @ 5,700 PSI = 100% HOLES OPEN. MP 5,930 PSI, MR 57 BPM, AP 5,302 PSI, AR 56.1 BPM, ISIP 2,741 PSI, NPI 331, FG .78. PUMPED 3,298 BBLS SW & 125,119 LBS OF 30/50 SND & 5,000 LBS OF 20/40 RESIN TOTAL PROP 130,119 LBS.
	14:50 - 18:45	3.92	COMP	36	B	P	STG 5) PU 4 1/2 8K BAKER CBP & 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 120 DEG PHASING. RIH SET CBP @ 7,980' PERFORATE 7,945' - 50' 3SPF, 7,841' - 47' 3SPF, 7,791' - 94' 3SPF, 42 HOLES. WHP 1,180 PSI, BRK 3,553 PSI @ 4.3 BPM, ISIP 2,220 PSI, FG .73. PUMP 100 BBLS @ 56 BPM @ 5,200 PSI = 100% HOLES OPEN. MP 5,382 PSI, MR 59.1 BPM, AP 4,636 PSI, AR 55.6 BPM, ISIP 2,530 PSI, NPI 310, FG .77. PUMPED 5,150 BBLS SW & 212,746 LBS OF 30/50 SND & 10,000 LBS OF 20/40 RESIN TOTAL PROP 222,746 LBS.
	18:45 - 20:30	1.75	COMP	34	I	P	KILL PLG) PU 4 1/2" BAKER 8K CBP RIH SET CBP @ 7,738'. RDMO BJ & CUTTERS. SWI SDFN.
1/2/2009	<u>SUPERVISOR:</u> DOUG CHIVERS						<u>MD:</u>
	7:00 - 7:30	0.50	COMP	48		P	HSM. DRILLING CBP'S
	7:30 - 19:00	11.50	COMP	44	C	P	MIRU RIG. ND FRAC VALVES NU BOP'S. PU 3 7/8" BIT FAST EDDIE POBS & XN NIPLE. PU DRIFT & TALLY 000 JTS OF 2 3/8" L-80 TBG. RU POWER SWIVEL & BRK CIRC W/ 2% KCL WATER. RIH C/O 20' OF SAND TAG PLG 1 @ 7,738' DRLG IN 10 MIN. 900 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 2 @ 7,990' DRLG IN 10 MIN. 200 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 3 @ 8,334' DRLG IN 10 MIN. 100 PSI INCREASE. RIH C/O 30' OF SAND TAG PLG 4 @ 8,537' DRLG IN 10 MIN. 200 PSI INCREASE. RIH C/O 40' OF SAND TAG PLG 5 @ 8,738' DRLG IN 10 MIN. 300 PSI INCREASE. RIH C/O 90' OF SAND TO 9,251' PBD. CIRC WELL CLEAN. POOH LD 21 JTS OF 2 3/8" L-80 TBG. LAND TBG W/ 271 JTS OF 2 3/8" L-80 TBG. EOT @ 8,592.82'. ND BOP NU WELL HEAD. DROP BALL TO SHEAR OFF BIT. PUMP OFF BIT @ 2,570 PSI. SWI FOR 30 MIN TO LET BIT FALL TO BOTTOM. TURN WELL OVER TO FLOW TESTERS. 314 JTS 2 3/8" L-80 OUTBOUND 271 JTS LANDED 43 JTS RETURNED
1/3/2009	<u>SUPERVISOR:</u> BRUCE HARDMAN						<u>MD:</u>
	7:00 -			33	A		7 AM FLBK REPORT: CP 1800#, TP 1650#, 20/64" CK, 74 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 4623 BBLS LEFT TO RECOVER: 14353
1/4/2009	<u>SUPERVISOR:</u> BRUCE HARDMAN						<u>MD:</u>
	7:00 -			33	A		7 AM FLBK REPORT: CP 1550#, TP 1850#, 20/64" CK, 65 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 6374 BBLS LEFT TO RECOVER: 12602
1/5/2009	<u>SUPERVISOR:</u> BRUCE HARDMAN						<u>MD:</u>
	7:00 -			33	A		7 AM FLBK REPORT: CP 1400#, TP 2200#, 20/64" CK, 53 BWPH, TRACE SAND, LIGHT GAS TTL BBLS RECOVERED: 7784 BBLS LEFT TO RECOVER: 11192
1/6/2009	<u>SUPERVISOR:</u> BRUCE HARDMAN						<u>MD:</u>
	7:00 -			33	A		7 AM FLBK REPORT: CP 1800#, TP 2225#, 20/64" CK, 45 BWPH, TRACE SAND, MEDIUM GAS TTL BBLS RECOVERED: 8932 BBLS LEFT TO RECOVER: 10044

Wins No.: 26945 NBU 922-29KT API No.: 4304740177

1/7/2009 SUPERVISOR: BRUCE HARDMAN J MD:
 7:00 - 33 A 7 AM FLBK REPORT: CP 3300#, TP 2300#, 20/64" CK, 36 BWPH,
 TRACE SAND, - GAS
 TTL BBLs RECOVERED: 9863
 BBLs LEFT TO RECOVER: 9113

1/8/2009 SUPERVISOR: BRUCE HARDMAN MD:
 7:00 - 33 A 7 AM FLBK REPORT: CP 3175#, TP 2250#, 20/64" CK, 22 BWPH,
 TRACE SAND, - GAS
 TTL BBLs RECOVERED: 10526
 BBLs LEFT TO RECOVER: 8450

EVENT INFORMATION: EVENT ACTIVITY: COMPLETION START DATE: 12/29/2008 AFE NO.: 2025007
 OBJECTIVE: CONSTRUCTION END DATE: 12/29/2008
 OBJECTIVE 2: ORIGINAL DATE WELL STARTED PROD.:
 REASON: SURFACE FAC Event End Status: COMPLETE

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

Date	Time Start-End	Duration (hr)	Phase	Code	Subcode	P/U	Operation
------	----------------	---------------	-------	------	---------	-----	-----------

12/29/2008 SUPERVISOR: HAL BLANCHARD MD:

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-1207

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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 _____

7. UNIT or CA AGREEMENT NAME
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 922-29KT

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

9. API NUMBER:
4304740177

3. ADDRESS OF OPERATOR: **1368 S 1200 E** 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: **1795'FSL, 1936'FWL**
AT TOP PRODUCING INTERVAL REPORTED BELOW:
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 29 9S, 22E

12. COUNTY **UINTAH** 13. STATE **UTAH**

14. DATE SPUNDED: **10/30/2008** 15. DATE T.D. REACHED: **12/11/2008** 16. DATE COMPLETED: **1/6/2009** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
4951'GL

18. TOTAL DEPTH: MD **9,300** TVD
19. PLUG BACK T.D.: MD **9,251** TVD

20. IF MULTIPLE COMPLETIONS, HOW MANY? * 21. DEPTH BRIDGE MD PLUG SET: TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
CBL-CCL-GR
SD, DSN, ACTR

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	36#		2,400		900			
7 7/8"	4 1/2 I-80	11.6#		9,300		1830			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,593							

26. PRODUCING INTERVALS

27. PERFORATION RECORD

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) MESAVERDE	7,791	9,170			7,791 9,170	0.36	203	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) WSMVD								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7791'-9170'	PMP 18,776 BBLS SLICK H2O & 742,724# 30/50 SD

RECEIVED

FEB 09 2009

DIV. OF OIL, GAS & MINING

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

30. WELL STATUS:
PROD

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 1/6/2009		TEST DATE: 1/8/2009		HOURS TESTED: 14		TEST PRODUCTION RATES: →		OIL - BBL: 0	GAS - MCF: 2,297	WATER - BBL: 528	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 2,250	CSG. PRESS. 3,175	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,267	WATER - BBL: 528	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.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
GREEN RIVER	1,381				
BIRDS NEST	1,696				
MAHOGANY	2,169				
WASATCH	4,619	7,140			
MESAVERDE	7,158	9,172			

34. FORMATION (Log) MARKERS:

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE 

DATE 2/6/2009

This report must be submitted within 30 days of

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

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

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

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

Phone: 801-538-5340
Fax: 801-359-3940

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
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 922-29KT
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047401770000
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: 1795 FSL 1936 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 29 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/4/2010 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>

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

THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL TO DRILL THE NBU 922-29K PAD, WHICH CONSISTS OF THE NBU 922-29K2CS, NBU 922-29K4AS, NBU 922-29L1AS, NBU 922-29L2BS AND NBU 922-29L2CS. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.

Approved by the Utah Division of Oil, Gas and Mining

Date: October 06, 2010

By: *Danielle Piernot*

NAME (PLEASE PRINT) Danielle Piernot	PHONE NUMBER 720 929-6156	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 9/30/2010

NBU 922-29KT
 1795' FSL & 1936' FWL
 NESW SEC.29, T9S, R22E
 Uintah County, UT

KBE: 4965'
 GLE: 4951'
 TD: 9300'
 PBDT: 9251'

API NUMBER: 4304740177
 LEASE NUMBER: ST-UO-1207
 WINS#: 26945
 WI: 100.0000%
 NRI: 83.494445%

CASING: 17 1/2" hole
 14" STL 50# csg @ 40' GL
 Cemented to surface w/ 28 sx

12 1/4" hole
 9 5/8" 36# J-55 @ 2400' (KB)
 Cemented with 900 sx. TOC @ surface

7.875" hole
 4 1/2" 11.6# I-80 @ 9300'
 Cemented w/ 1830 sx, TOC @ 150' per CBL

TUBING: 2 3/8" 4.7# J-55 tubing landed at 8593'

Tubular/Borehole	Drift inches	Collapse psi	Burst psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.0217	0.0039
4.5" 11.6# N-80	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 36# K-55	8.921	2020	3520	3.247	0.434	0.0773
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.0101
4.5" csg X 9 5/8" 36# csg				2.4192	0.3231	0.0576
4.5" csg X 7.875 borehole				1.704	0.2276	0.0406
9 5/8" csg X 12 1/4" borehole				2.3436	0.3132	0.0558

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1381'
Bird's Nest	1696'
Mahogany	2169'
Wasatch	4619'
Mesaverde	7158'

Tech. Pub. #92 Base of USDW's
 USDW Elevation ~1800' MSL
 USDW Depth ~3151' KBE

PERFORATIONS:

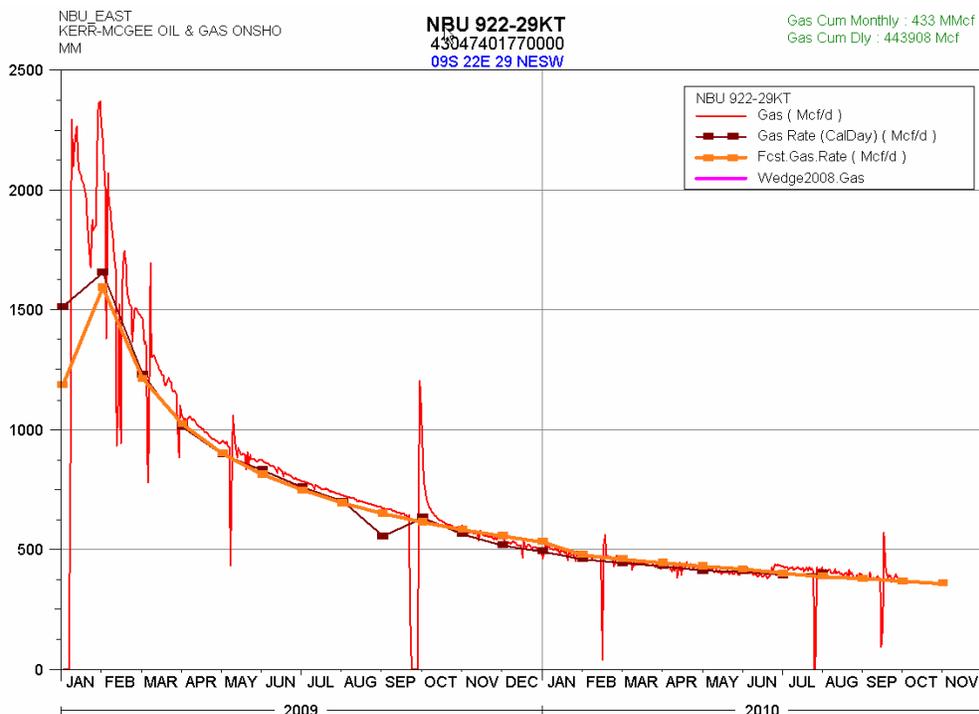
Date	MD Top (ft)	MD Base (ft)	SPF
12/31/2008	7,791.00	7,794.00	3
12/31/2008	7,841.00	7,847.00	3
12/31/2008	7,945.00	7,650.00	3
12/31/2008	8,213.00	8,216.00	3
12/31/2008	8,260.00	8,264.00	3
12/31/2008	8,297.00	8,304.00	3
12/31/2008	8,424.00	8,428.00	4
12/31/2008	8,474.00	8,477.00	4
12/31/2008	8,504.00	8,507.00	4
12/30/2008	8,616.00	8,618.00	3
12/30/2008	8,653.00	8,656.00	3
12/30/2008	8,692.00	8,695.00	3
12/30/2008	8,735.00	8,740.00	3
12/30/2008	9,102.00	9,104.00	4
12/30/2008	9,152.00	9,154.00	4
12/30/2008	9,164.00	9,170.00	4

WELL HISTORY:

- Spud Well 10/30/08, TD'd 12/11/08
- Jan '09 – Completed MV/Was zones (7791' – 9170') with 5 slickwater frac stages using 742,742# 30/50 sand & 18,776 bbls fluid. C/O to PBSD and turn to sales.
- 1/6/09 – 1st Sales, FTP 2250#, CP 3175#, CK 20/64", 2297 MCFD, 528 BWPD

Recommended future action for disposition of well bore:

Temporarily abandon the wellbore during the drilling and completion operations of the NBU 922-29K pad wells. Return to production as soon as possible once completions are done.



NBU 922-29KT TEMPORARY ABANDONMENT PROCEDURE

GENERAL

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

PROCEDURE

Note: An estimated 23 sx Class "G" cement needed for procedure

Note: Gyro ran to 8500' 5/8/09

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
3. **PLUG #1, ISOLATE MV/WAS PERFORATIONS (7791' - 9170')**: RIH W/ 4 ½" CBP. SET @ ~7740'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **4 SX/ 0.8 BBL/ 4.36 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~7690'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, PROTECT WASATCH TOP (4619')**: PUH TO ~4720'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX/ 3.1 BBL/ 17.88 CUFT** AND BALANCE PLUG W/ TOC @ ~4515' (205' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
6. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 9/30/10

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
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 922-29KT
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 43047401770000
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: 1795 FSL 1936 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 29 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 10/20/2010	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input 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 checked="" 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: <input style="width: 100px;" type="text"/>

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

The operator has completed the temporarily abandon operations on the subject well location on 10/20/2010. The operator has temporarily abandoned the well to drill the NBU 922-29K Pad, which consists of the following wells NBU 922-29K2CS, NBU 922-29K4AS, NBU 922-29L1AS, NBU 922-29L2BS and NBU 922-29L2CS. Please refer to the attached temporarily abandonment chronological well history report.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 25, 2010

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 10/21/2010

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 922-29KT
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047401770000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1795 FSL 1936 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 29 Township: 09.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/25/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> ALTER CASING
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> CHANGE TUBING
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> FRACTURE TREAT
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> PLUG AND ABANDON
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> RECLAMATION OF WELL SITE
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> SI TA STATUS EXTENSION
		<input type="checkbox"/> CASING REPAIR
		<input type="checkbox"/> CHANGE WELL NAME
		<input type="checkbox"/> CONVERT WELL TYPE
		<input type="checkbox"/> NEW CONSTRUCTION
		<input type="checkbox"/> PLUG BACK
		<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
		<input type="checkbox"/> TEMPORARY ABANDON
		<input type="checkbox"/> WATER DISPOSAL
		<input type="checkbox"/> APD EXTENSION
		OTHER: <input style="width: 100px;" type="text"/>
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>This well location has returned to production for a temporarily abandoned status on April 25, 2011. Please see attached chronological history report for details.</p> <p style="text-align: right;">Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</p>		
NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 5/11/2011

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-29KT		Spud Conductor: 10/30/2008		Spud Date: 11/3/2008				
Project: UTAH-UINTAH			Site: NBU 922-29K PAD			Rig Name No: MILES 3/3		
Event: WELL WORK EXPENSE			Start Date: 4/8/2011			End Date: 4/14/2011		
Active Datum: RKB @4,965.00ft (above Mean Sea Level)				UWI: 0/9/S/22/E/29/0/NWSE/6/PM/S/1,795.00/W/0/1,936.00/0/0				
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
4/12/2011	-							HAD WELL EXPOSED. WEATHERFORD HOOKED UP FMC (CP) WELLHEAD. WESTROC PLUMBED IN LINES. BLUE MTN BACK FILLED AROUND WELLHEAD.
	12:30 - 15:30	3.00	REE	30	A	P		MOVE OVER FROM 29K2CS. SPOT AND RUSU. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. SPOT TBG TRAILER
	15:30 - 18:30	3.00	REE	31	I	P		MU 3-7/8" BIT, POBS, 1.87" XN. RIH AS MEAS AND PU 30-JTS 2-3/8" L-80 YELLOW BAND TBG. SET DOWN AT 945'. UP AND COME BACK DOWN 4' LOWER AT 949'. PU 2nd TIME AND SET DOWN AGAIN AT 949'. LAY PMP LINES. RU PWR SWIVEL. FILL TBG AND P-TEST TO 750 PSI. GOOD. EST CIRC AT 3 BPM. COME DOWN AND WENT PAST TO 954'. CIRC CLEAN (SAWDUST AND RUBBER PIECES). SWI AND SDFN. EOT AT 954' W/ 30-JTS IN.
4/13/2011	7:00 - 7:15	0.25	REE	48		P		JSA- PU TBG. PWR SWIVEL
	7:15 - 9:30	2.25	REE	31	I	P		SITP 0, SICP 0, SURFACE OPEN. PU 1-JT W/ PWR SWIVEL. RIH. ACTS LIKE PUSHING ? AHEAD OF BIT. HANG PWR SWIVEL. CONT RIH W/ BIT AND POBS AND MEAS AND PU TBG. TAG W/ #138 AT 4352'.
	9:30 - 13:00	3.50	REE	33	C	P		RU PWR SWIVEL. FILL TBG AND ATTEMPT TO PRES TEST- PIPE RAMS LEAK. WAIT FOR AND INSTALL NEW PIPE RAMS. ATTEMPT TO PRES TEST AGAIN- PIPE RAMS LEAK WORSE. WAIT FOR NEW PIPE RAMS. INSTALL 2nd SET NEW PIPE RAMS. PRES TEST TO 2000#. GOOD.
	13:00 - 16:00	3.00	REE	44	A	P		EST CIRC @ 3 BPM. D/O SOFT 164' SOFT CMT F/ 4352' T/ 4516'. D/O 112' FIRM CMT F/ 4516' T/ 4628'. CIRC CLEAN. SDFN W/ 145-JTS IN, EOT AT 4596'.
4/14/2011	7:00 - 7:15	0.25	REE	48		P		JSA- D/O CMT AND CBP. PWR SWIVEL. PU TBG.
	7:15 - 9:00	1.75	REE	44	A	P		SITP 0, SICP 0, SURFACE OPEN. EST CIRC AND FIN D/O 136' FIRM CMT F/ 4638' T/ 4764'. CIRC CLEAN. HANG PWR SWIVEL.
	9:00 - 11:30	2.50	REE	31	I	P		RIH AS MEAS AND PU TBG TO TAG CMT AT 7732'. PU PWR SWIVEL. PMP N2/FOAM DOWN TBG FOR 50 MIN. HP 1700#.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-29KT	Spud Conductor: 10/30/2008	Spud Date: 11/3/2008
Project: UTAH-UINTAH	Site: NBU 922-29K PAD	Rig Name No: MILES 3/3
Event: WELL WORK EXPENSE	Start Date: 4/8/2011	End Date: 4/14/2011
Active Datum: RKB @4,965.00ft (above Mean Sea Level)		UWI: 0/9/S/22/E/29/0/NWSE/6/PM/S/1,795.00/W/0/1,936.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:30 - 17:30	6.00	REE	44	A	P		<p>D/O 40' CMT TO CBP AT 7772' (SLM). D/O CBP IN 12 MIN. CSG 1200# INC. SHUT DOWN N2 AND PMP WTR TO CONTROL CSG FLOW. HANG PWR SWIVEL AND RIH. PMP AS NEEDED TO CONTROL WELL. TAG CBP REMAINS ON SCALE AT 8623'. PU SWIVEL. EST CIRC W/ WTR AND D/O 15' TO FALL THRU AT 8638'. HANG PWR SWIVEL AND RIH. TAG SAND AT 9159'. PU PWR SWIVEL AND EST CIRC W/ WTR. C/O SAND TO 9223' (59' RATHOLE) W/ 291-JTS IN. CIRC CLEAN. HANG PWR SWIVEL. POOH AS LD 20-JTS TBG. PU 4" 10K HANGER. LUB IN AND LAND 271-JTS 2-3/8" L-80 YELLOWBAND W/ EOT AT 8600.34'. HOOK CSG TO FLOW TO PIT. RACK OUT PWR SWIVEL. RD FLOOR. ND BOP. NU WH. PMP 40 BBLS TO POBS, DID NOT SEE BIT RELEASE. SHUT WELL IN. SITP-VAC, SICP 1500, SURFACE OPEN AND DEAD ALL DAY. RACK OUT PUMP AND LINES. CLEAN LOCATION. SDFN</p> <p>TBG DETAIL KB 14.00 4" 10K HANGER .83 271-JTS 2-3/8" L-80 (YB) 8583.31 1.87" XN FE POBS 2.20 EOT 8600.34</p> <p>299-JTS DELIVERED, 28-JTS RETURNED</p> <p>LTR 60 BBLS.</p>

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
SUNDRY NOTICES AND REPORTS ON WELLS		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
1. TYPE OF WELL Gas Well		8. WELL NAME and NUMBER: NBU 922-29KT
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		9. API NUMBER: 43047401770000
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	PHONE NUMBER: 720 929-6515 Ext	9. FIELD and POOL or WILDCAT: NATURAL BUTTES
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1795 FSL 1936 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 29 Township: 09.0S Range: 22.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 8/22/2011 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator requests authorization to re-complete the subject well location.</p> <p>The operator proposes to re-complete the Wasatch formation. The operator also requests authorization to commingle the newly Wasatch and existing Mesaverde formations. Please refer to the attached re-completion procedures.</p>		
		<p>Approved by the Utah Division of Oil, Gas and Mining</p> <p>Date: 08/31/2011</p> <p>By: <u><i>Dark K. Quist</i></u></p>
NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A		DATE 8/22/2011

Please Review Attached Conditions of Approval

RECEIVED Aug. 22, 2011



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047401770000

Authorization: Board Cause No. 173-14.

Greater Natural Buttes Unit



NBU 922-29KT
RE-COMPLETIONS PROCEDURE

DATE:8/8/2011
AFE#:
API#:4304740177
USER ID:OOT937 (Frac Invoices Only)

COMPLETIONS ENGINEER: Zach Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

Name: NBU 922-29KT
Location: NE SW SEC 29 T9S R22E
Uintah County, UT
Date: 8/8/2011

ELEVATIONS: 4951' GL 4965' KB *Frac Registry TVD: 9295*

TOTAL DEPTH: 9300' **PBTD:** 9251'
SURFACE CASING: 9 5/8", 36# J-55 LT&C @ 2400'
PRODUCTION CASING: 4 1/2", 11.6#, I-80 LT&C @ 9300'
 Marker Joint **4630-4647''**

TUBULAR PROPERTIES:

	BURST (psi)	COLLAPSE (psi)	DRIFT DIA. (in.)	CAPACITIES	
				(bbl/ft)	(gal/ft)
2 3/8" 4.7# J-55 tbg	7,700	8,100	1.901"	0.00387	0.1624
4 1/2" 11.6# I-80 (See above)	7780	6350	3.875"	0.0155	0.6528
2 3/8" by 4 1/2" Annulus				0.0101	0.4227

TOPS:

1381' Green River Top
 1696' Bird's Nest Top
 2169' Mahogany Top
 4619' Wasatch Top
 7158' Mesaverde Top*

BOTTOMS:

7140' Wasatch Bottom*
 9172' Mesaverde Bottom (TD)

*Based on latest geologic interpretation

T.O.C. @ 384'

GENERAL:

- A minimum of **9** tanks (cleaned lined 500 bbl) of recycled water will be required. Note: Use biocide in tanks and the water needs to be at least 45°F at pump time.
- All perforation depths are from Halliburtons Induction-Density-Neutron log dated 12/11/2008
- **4** fracturing stages required for coverage.
- Procedure calls for **5** CBP's (**8000** psi) .
- Calculate open perforations after each breakdown. If less than 60% of the perforations appear to be open, ball out with 15% HCl.
- Pump scale inhibitor at 3 gpt (in pad and until 1.25 ppg ramp up is reached) and 10 gpt in all flushes except the final stage. Remember to pre-load the casing with scale inhibitor for the very first stage with 10 gpt.
- 30/50 mesh Ottawa sand, **Slickwater frac.**
- Maximum surface pressure **6200** psi.

- Flush volumes are the sum of slick water and acid used during displacement (include scale inhibitor as mentioned above). Stage acid and scale inhibitor if necessary to cover the next perforated interval.
- **Call flush at 0 PPG @ inline densimeters. Slow to 5 bbl/min over last 10-20 bbls of flush. Flush to top perf.**
- **If distance between plug and top perf of previous stage is less than 50', it is considered to be tight spacing - over flush stage by 5 bbls (from top perf)**
- Tubing Currently Landed @~8593
- Originally completed on 12/30/2008

Existing Perforations:

NBU 922-29KT

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes
		Top, ft	Bottom, ft		
1	MESAVERDE	9102	9104	4	8
	MESAVERDE	9152	9154	4	8
	MESAVERDE	9164	9170	4	24
2	MESAVERDE	8616	8618	3	6
	MESAVERDE	8653	8656	3	9
	MESAVERDE	8692	8695	3	9
	MESAVERDE	8735	8740	3	15
3	MESAVERDE	8424	8428	4	16
	MESAVERDE	8474	8477	4	12
	MESAVERDE	8504	8507	4	12
4	MESAVERDE	8213	8216	3	9
	MESAVERDE	8260	8264	3	12
	MESAVERDE	8297	8304	3	21
5	MESAVERDE	7791	7794	3	9
	MESAVERDE	7841	7847	3	18
	MESAVERDE	7945	7950	3	15
Totals					203

Relevant History:

Periodic Slickline Operations. Last report shows fluid level @~8500' & SN Depth @~8640. Type X

H2S History:

NBU 922-29KT	
Date	H2S H2S_SEPARATO R_PPM
10/1/2008	0.00
11/1/2008	
12/1/2008	
1/1/2009	
2/1/2009	
3/1/2009	0.00
4/1/2009	
5/1/2009	0.00
6/1/2009	0.00
7/1/2009	0.00
8/1/2009	7.00
9/1/2009	0.00
10/1/2009	0.00
11/1/2009	6.00
12/1/2009	0.00
1/1/2010	0.00
2/1/2010	0.00

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

1. MIRU. Control well with recycled water and biocide as required. ND WH, NU BOP's and test.
2. TOOH with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~8593'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 7828 (50' below proposed CBP). Otherwise P/U a mill and C/O to 7828 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 7778'. ND BOPs and NU frac valves. Test frac valves and casing to 1000 and 3500 psi for 15 minutes each and to 6200 psi for 30 minutes. As per standard operating procedure install steel blowdown line to reserve pit from 4-1/2" X 9-5/8" annulus with pressure relief valve in line. Pressure relief will be set to release at 500 psig. Lock **OPEN** the Braden head valve. Annulus will be monitored throughout stimulation. If release occurs, stimulation will be shut down. Well conditions will be assessed and actions taken as necessary to secure the well. UDOGM will be notified if a release to the annulus occurs.
5. Perf the following with 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7644	7645	4	4

MESAVERDE 7661	7663	4	8
MESAVERDE 7710	7712	3	6
MESAVERDE 7746	7748	3	6

6. Breakdown perfs and establish injection rate (include scale inhibitor in fluid). Spot 250 gals of 15% HCL and let soak 5-10 min. Fracture as outlined in Stage 1 on attached listing. Under-displace to ~7644' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~7476'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:

Zone	From	To	spf	# of shots
MESAVERDE	7304	7306	3	6
MESAVERDE	7383	7385	4	8
MESAVERDE	7423	7426	3	9
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~7304' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~7234'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	7108	7110	4	8
WASATCH	7138	7140	4	8
WASATCH	7182	7184	4	8
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~7108' trickle 250gal 15%HCL w/ scale inhibitor in flush.
11. Set 8000 psi CBP at ~5224'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:

Zone	From	To	spf	# of shots
WASATCH	5168	5174	4	24
12. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 4 on attached listing. Under-displace to ~5168' and flush only with recycled water.
13. Set 8000 psi CBP at ~5118'.
14. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
15. Mill 4 plugs and clean out to a depth of 7758'. THE WELL WILL BE COMMINGLED AT THIS TIME.
16. Land tubing at 7600', drop ball and pump open sub. Flow back completion load. RDMO
17. MIRU, POOH tbg and mill. TIH with POBS and mill.
18. Mill last plug @ 7778' clean out to PBSD at 9249'. Land tubing at ±8593' pump off bit and bit sub . This well WILL be commingled at this time.
19. Clean out well with foam and/or swabbing unit until steady flow has been established from recomple.
- 20. Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Zach Garrity, Denver, CO
(720)-929-6180 (Office)
(406)-781-6427 (Cell)**

**For field implementation questions, please call
Jeff Samuels, Vernal, UT
435-781 7046 (Office)**

NOTES:

If using any chemicals for pickling tubing or H2S Scavenging, have MSDS for all chemicals prior to starting work

Verify that the Braden head valve is locked OPEN.

Acid Pickling and H2S Procedures (If Required)

****PROCEDURE FOR PUMPING ACID DOWN TBG**

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

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

**** PROCEDURE FOR PUMPING H2S SCAVENGER WITHOUT ACID**

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

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

5. MONITOR TUBING FOR FLOW AND CASING FOR H2S NOW AS POOH W/ TUBING.

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

Key Contact information

Completion Engineer

Zach Garrity: 406-781-6427, 720-929-6180

Production Engineer

Jordan Portillo: 435-828-6221, 435-781-9785

Completion Supervisor Foreman

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

Completion Manager

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

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

Name NBU 922-29KT Recomplete
 Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	MESAVERDE	7644	7645	4	4	7614	to	7648
	MESAVERDE	7661	7663	4	8	7649.5	to	7679
	MESAVERDE	7710	7712	3	6	7694.5	to	7719
	MESAVERDE	7746	7748	3	6	7722	to	7749.5
	# of Perfs/stage				24	CBP DEPTH	7,476	
2	MESAVERDE	7304	7306	3	6	7298.5	to	7307
	MESAVERDE	7383	7385	4	8	7379.5	to	7392
	MESAVERDE	7423	7426	3	9	7400	to	7447
	# of Perfs/stage				23	CBP DEPTH	7,234	
	3	WASATCH	7108	7110	4	8	7079.5	to
WASATCH		7138	7140	4	8	7128.5	to	7141.5
WASATCH		7182	7184	4	8	7161.5	to	7193
# of Perfs/stage					24	CBP DEPTH	5,224	
4		WASATCH	5168	5174	4	24	5147	to
	# of Perfs/stage				24	CBP DEPTH	5,118	
	Totals				95			

MD	TVD	Inc
0	0	0
100	100	0.25
200	200	0.25
300	300	0.75
400	400	0.5
500	500	0.25
600	600	0.25
700	700	0.25
800	800	0.25
900	900	0.25
1000	1000	0.25
1100	1100	0.25
1200	1200	0.25
1300	1300	0.25
1400	1400	0
1500	1500	0
1600	1600	0.25
1700	1700	0.25
1800	1800	0.5
1900	1900	0.5
2000	2000	0.5
2100	2100	0.5
2200	2200	0.5
2270	2270	0.5
2393	2392.9	0.9
2487	2486.9	0.6
2895	2894.9	1.2
3495	3494.6	2.2
3718	3717.4	2.5
3814	3813.4	2.6
4095	4094	2.8
4315	4313.8	2.4
4623	4621.5	2.5
5133	5131.2	1.9
5575	5572.9	1.9
5860	5857.8	1.7
6260	6257.5	2.2
6580	6577.3	2.2
6992	6989.1	1.5
7456	7452.9	1.9
8010	8006.4	2.9
8360	8355.9	3
8860	8855.3	2.68
9260	9255	2.1

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ST UO 1207
b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER RECOMPLETION		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME UTU63047A
3. ADDRESS OF OPERATOR: P.O.BOX 173779 CITY DENVER STATE CO ZIP 80217		8. WELL NAME and NUMBER: NBU 922-29KT
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NESW 1795 FSL 1936 FWL S29, T9S, R22E		9. API NUMBER: 4304740177
AT TOP PRODUCING INTERVAL REPORTED BELOW:		10. FIELD AND POOL, OR WILDCAT NATURAL BUTTES
AT TOTAL DEPTH:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 29 9S 22E S
		12. COUNTY UINTAH
		13. STATE UTAH

14. DATE SPUDDED: 10/30/2008	15. DATE T.D. REACHED: 12/11/2008	16. DATE COMPLETED: 10/29/2011	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): 4951 GL
18. TOTAL DEPTH: MD 9,300 TVD	19. PLUG BACK T.D.: MD 9,251 TVD	20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) CBL/CCL/GR-SD/DSN/ACTR			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#	0	40		28			
12 1/4"	9 5/8" J-55	36#	0	2,400		900			
7 7/8"	4 1/2" I-80	11.6#	0	9,300		1,830			

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,595							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) WASATCH	5,168	7,184			5,168 7,184	0.36	48	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) MESAVERDE	7,304	7,748			7,304 7,748	0.36	47	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"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5168 - 7748	PUMP 3,344 BBLs SLICK H2O & 78,217 LBS 30/50 OTTAWA SAND 4 STAGES

RECEIVED
JAN 24 2012

29. ENCLOSED ATTACHMENTS: <input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION	<input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> CORE ANALYSIS	<input type="checkbox"/> DST REPORT <input type="checkbox"/> OTHER: _____	<input type="checkbox"/> DIRECTIONAL SURVEY	30. WELL STATUS: PROD
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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 10/29/2011		TEST DATE: 10/30/2011		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 0	GAS – MCF: 363	WATER – BBL: 36	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 115	CSG. PRESS. 680	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 363	WATER – BBL: 36	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.)

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	1,381
				BIRD'S NEST	1,696
				MAHOGANY	2,169
				WASATCH	4,619
				MESAVERDE	7,240

36. ADDITIONAL REMARKS (Include plugging procedure)

Attached is the chronological recompletion history and perforation report.

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

NAME (PLEASE PRINT) JAIME SCHARNOWSKE TITLE REGULATORY ANALYST
 SIGNATURE *Jaime Scharnowske* DATE 1/19/2012

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 Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-29KT	Spud Conductor: 10/30/2008	Spud Date: 11/3/2008
Project: UTAH-UINTAH	Site: NBU 922-29K PAD	Rig Name No:
Event: RECOMPL/RESEREVEADD	Start Date: 10/12/2011	End Date: 12/9/2011
Active Datum: RKB @4,965.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/29/0/NWSE/6/PM/S/1,795.00/W/0/1,936.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/21/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, MOVING RIG & EQUIP
	7:30 - 10:30	3.00	COMP	30	A	P		MIRU F/ NBU 921-17H.
	10:30 - 17:30	7.00	COMP	31	I	P		SICP 280 SITP 550, BLEW WELL DWN, CONTROL TBG W/ 25 BBLS T-MAC, ND WH NU BOPS RU FLOOR & EQUIP, CONTROL CSG W/ 30 BBLS T-MAC, UNLAND TBG L/D HANGER. RU SCAN TECH, POOH W/ 270 JTS 23/8 L-80 SCANNING. HAD 5 BAD 265 YELLOW. L/D X/N W/ PLUNGER. RD SCAN TECH, SW SDFWE.
10/24/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ WIRE LINE.
	7:30 - 15:00	7.50	COMP	34	I	P		SICP 900 PSI, BLEW WELL DWN TO FB TNK, RU JW WIRELINE, CONTROL CSG W/ 30 BBLS T-MAC, RIH W/ 41/2 GAUGE RING TO 7830' POOH, RIH SET 41/2 8-K CBP @ 7778', POOH RD JW. ND BOPS NU FV, RU B&C TEST CSG TO 1,000 PSI, LOST 26# PSI IN 15 MIN, TEST TO 3500 PSI LOST 82# PSI IN 15 MIN, TEST TO 6200 PSI GAINED 33# PSI IN 30 MIN. RD B&C, SDFD.
10/25/2011	7:00 - 15:00	8.00	COMP	46		P		STDBY FOR FRAC CREW
10/26/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, DRIVING IN SNOWY & WET CONDITIONS
	7:30 - 13:04	5.57	COMP	34	H	P		RU JW WIELINE (STG #1) RIH W/ 31/8 23 GRM, .36" HOLES 90 & 120 DEG PHASING GNS, PERF AS OF PROCEDURE, POOH. RU SUPERIOR, PRIME & TEST LINES TO 7200 # LOST 350 PSI IN 15 MIN. SET POP OFF TO 5810 PSI, SET KICK OUTS, #1 5975 PSI, #2 5950 PSI, #3 5925 PSI, #4 5900 PSI, # 5 5875 PSI, #6 6000 PSI. WHP 400 PSI, BRK 3887 PSI @ 4.5 BPM. ISIP 1565 PSI, FG .64 SPOT ACID ON PERFS LET SOAK FOR 5 MIN. CALC HOLES OPEN @ 48.0 BPM @ 5080 PSI = 73% HOLES OPEN. MP 5480 PSI, MR 50.7 BPM, AP 4966 PSI, AR 49.8 BPM ISIP 2608 PSI, FG .78 NPI 1043 PSI.
	13:04 - 14:55	1.85	COMP	36	E	P		(STG #2) PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 90 & 120 DEG PHASING, SET CBP @ 7578', PERF WELL AS OF PROCEDURE. WHP 236 PSI, BRK 4039 PSI @ 4.7 BPM. ISIP 954 PSI, FG .57. CALC HOLES OPEN @ 46.4 BPM @ 5099 PSI = 64% HOLES OPEN. MP 5469 PSI, MR 50.8 BPM, AP 4642 PSI, AR 50.1 BPM ISIP 1040 PSI, FG .71 NPI 1040 PSI.

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-29KT		Spud Conductor: 10/30/2008		Spud Date: 11/3/2008	
Project: UTAH-UINTAH			Site: NBU 922-29K PAD		Rig Name No:
Event: RECOMPL/RESEREVEADD			Start Date: 10/12/2011		End Date: 12/9/2011
Active Datum: RKB @4,965.00usft (above Mean Sea Level)			UWI: 0/9/S/22/E/29/0/NWSE/6/PM/S/1,795.00/W/0/1,936.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	14:55 - 16:23	1.47	COMP	36	E	P		(STG #3)PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 90 DEG PHASING, SET CBP @ 7214', PERF WELL AS OF PROCEDURE. WHP 348 PSI, BRK 3252 PSI @ 4.6 BPM. ISIP 930 PSI, FG .57. CALC HOLES OPEN @ 50.2 BPM @ 4328 PSI = 78% HOLES OPEN. MP 4773 PSI, MR 54.3 BPM, AP 4156 PSI, AR 50.2 BPM ISIP 1958 PSI, FG .71 NPI 1028 PSI.
	16:23 - 18:30	2.12	COMP	36	E	P		(STG #4)PU 41/2 HAL 8-K CBP & 31/8 EXP 23 GRM .36" HLS, 90 DEG PHASING, SET CBP @ 5204', PERF WELL AS OF PROCEDURE. WHP 200 PSI, BRK 1378 PSI @ 3.6 BPM. ISIP VACUME PSI, FG .0. CALL FOR ORDERS, DON'T FRAC THESE PERFS, SVM RD WL & FRAC CREW. SDFN.
								TOTAL 78,217 LBS 30/50 OTTAWA SAND TOTAL 3344 BBLS WTR TOTAL 352 GALS SCALE INH TOTAL 67 GALS BIOCID
10/27/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ TOOL HAND RUNNING COMPOSITE CEMENT RETAINER.
	7:30 - 16:00	8.50	COMP	31	I	P		SICP VACUME, ND FV NU BOPS, RU FLOOR, PU RIH W/ 41/2 COMPOSITE CMT RETAINER & 148 JTS 23/8 L-80 RETAINER HUNG UP @ 4701'COULDN'T GET TO MOVE, SET SAME, RU PROPETRO, TEST TBG , UNSTUNG FILL HOLE W/ 32 BBLS, STING BACK IN PRESSURE UP ON CSG TO 500 PSI. GOT IN JECTION RATE OF 2.5 BPM @ 900 PSI. PUMPED 5 BBLS FRESH WTR, 15.3 BBLS CLASS G 1.15 YEILD 15.8# CMT 75 SKS 1ST 25 SKS W/ 2% CACL, 2 BBLS FRESH WTR, FLUSH W/ 17 BBLS WTR CLEARED RETAINER, STAGED CMT TO 2,000# PSI, W/ 3 BBLS CMT LEFT IN CSG. UNSTUNG REV TBG W/ 27 BBLS WTR. RD PROPETRO, POOH W/ 148 JTS TBG L/D STINGER. PU RIH W/ 37/8 BIT, PUMP OPEN SUB, 1.875 X/N & 146 JTS EOT @ 4634' RU DRLG EQUIP, SVM SDFN.
10/28/2011	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ SWIVEL
	7:30 - 13:30	6.00	COMP	44	B	P		BROKE CIR CONV, TEST BOPS TO 3,000# OK, D/O CCR @ 4701' RIH D/O CMT F/ 4730' TO 5175' FELL FREE, CIR CLEAN TEST SQUEEZE TO 1,000# OK.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-29KT	Spud Conductor: 10/30/2008	Spud Date: 11/3/2008
Project: UTAH-UINTAH	Site: NBU 922-29K PAD	Rig Name No:
Event: RECOMPL/RESEREVEADD	Start Date: 10/12/2011	End Date: 12/9/2011
Active Datum: RKB @4,965.00usft (above Mean Sea Level)	UWI: 0/9/S/22/E/29/0/NWSE/6/PM/S/1,795.00/W/0/1,936.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	13:30 - 19:30	6.00	COMP	44	C	P		<p>C/O 30' SAND TAG 1ST PLUG @ 5204' DRL PLG IN 12 MIN, 0 PSI INCREASE, VACUME. RIH TAG UP @ 7184 ' BROKE CIRC W/ AIR/N2.BLEW WELL AROUNDNSHUT DWN FOAM UNIT.</p> <p>C/O 30' SAND TAG 2ND PLUG @ 7214' DRL PLG IN 5 MIN, 0# PSI INCREASE RIH</p> <p>C/O 20' SAND TAG 3RD PLUG @ 7456' DRL PLG IN MIN, 0# PSI INCREASE RIH</p> <p>C/O TO 7768', CIRC CLN, L/D 5 JTS. LAND TBG ON 240 JTS 23/8 L-80. ND BOPS NU WH, PUMP OPEN SUB W/ FOAM/N2 UNITS BLEW WELL AROUND, TURN WELL OVER TO FB CREW. SDFN</p> <p>KB= 14' (SURFACE OPEN W/ POPOFF) HANGER = .83' 240 JTS 23/8 L-80 = 7597.14' PUMP OPEN W/ 1.875 X/N = 4.00' EOT @ 7615.97'</p> <p>TWTR 3644 BBLS TWR 700 BBLS TWLTR 2944 BBLS</p>
12/8/2011	7:00 - 17:00	10.00	COMP	31	I	P		<p>7:00 A.M. HSM ROAD RIG & EQUIP F/ BITTER CREEK YARD TO LOC. MIRU. CONTROLL WELL W/ 20 BBLS TMAC DWN CSG & TBG. NDWH. NUBOPE. UNLAND TBG & POOH W/ 45 STD TBG. SWI. SDFN</p>
12/9/2011	7:00 - 19:00	12.00	COMP	31	I	P		<p>0700 HSM. CONT TO POOH F/ 6170'. L/D BHA. P/U NEW POBS & BIT & RIH. TAG FILL @ 8588', F/UY WEATHERFORD AIR FOAM UNIT. BRK CONV CIRC. & BEG TO DRL. C/O TO 9187', CIRC WELL CLEAN. POOH. L/D 19 JTS ON TRAILER. DROP BALL. LAND TBG W/ EOT @ 8595' NDBOP. NUWH. PMP OFF THE BIT SUB @ 1950#. BLEED WELL BACK FOR 30 MIN. TILL GOOD GAS RETURNS. SWI. SDFWE</p>

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 922-29KT	Wellbore No.	OH
Well Name	NBU 922-29KT	Wellbore Name	NBU 922-29KT
Report No.	1	Report Date	10/12/2011
Project	UTAH-UJINTAH	Site	NBU 922-29K PAD
Rig Name/No.		Event	RECOMPL/RESERVEADD
Start Date	10/12/2011	End Date	12/9/2011
Spud Date	11/3/2008	Active Datum	RKB @4,965.00usft (above Mean Sea Level)
UWI	09/S/22/E/29/0/NWSE/6/PM/S/1,795.00/W/0/1,936.00/0/0		

1.3 General

Contractor	JW WIRELINE	Job Method	PERFORATE	Supervisor	STEVE WALL, SR.
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

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

1.5 Summary

Gross Interval	5,168.0 (usft)-7,748.0 (usft)	Start Date/Time	10/26/2011 12:00AM
No. of Intervals	11	End Date/Time	10/26/2011 12:00AM
Total Shots	0	Net Perforation Interval	26.00 (usft)
Avg Shot Density	0.00 (shot/ft)	Final Surface Pressure	
		Final Press Date	

2 Intervals

2.1 Perforated Interval

Date	Formation/Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/Add. Shot	Diameter (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
10/26/2011 12:00AM	WASATCH/1			5,168.0	5,174.0			0.360	EXP/	3.375	90.00		23.00	PRODUCTIO	N

2.1 Perforated Interval (Continued)

Date	Formation/ Reservoir	CCL@ (usft)	CCL-T S (usft)	MD Top (usft)	MD Base (usft)	Shot Density (shot/ft)	Misfires/ Add. Shot	Diamete r (in)	Carr Type /Carr Manuf	Carr Size (in)	Phasing (°)	Charge Desc /Charge Manufacturer	Charge Weight (gram)	Reason	Misrun
10/26/2011 12:00AM	WASATCH/			7,108.0	7,110.0			0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	WASATCH/			7,138.0	7,140.0			0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	WASATCH/			7,182.0	7,184.0			0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	MESAVERDE/			7,304.0	7,306.0			0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	MESAVERDE/			7,383.0	7,385.0			0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	MESAVERDE/			7,423.0	7,426.0			0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	MESAVERDE/			7,644.0	7,645.0			0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	MESAVERDE/			7,661.0	7,663.0			0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	MESAVERDE/			7,710.0	7,712.0			0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
10/26/2011 12:00AM	MESAVERDE/			7,746.0	7,748.0			0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots