

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: UTSTML-22935-A	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:	
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: UNIT #891008900A	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE L.P. (RIG SKID)		9. WELL NAME and NUMBER: NBU 922-31K-2TX	
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: 2572'FSL, 1425'FWL AT PROPOSED PRODUCING ZONE:		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 31 9S 22E	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 19.8 MILES SOUTHEAST OF OURAY, UTAH		12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1425"	16. NUMBER OF ACRES IN LEASE: 160.00	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 20.00	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C	19. PROPOSED DEPTH: 9,100	20. BOND DESCRIPTION: RLB0005237	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4840'UNGRADED GL	22. APPROXIMATE DATE WORK WILL START:	23. ESTIMATED DURATION:	

24. PROPOSED CASING AND CEMENTING PROGRAM

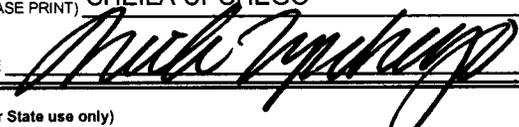
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8	32.3#	H-40	2,350	265 SX CLASS G	1.18 YIELD	15.6 PPG
7 7/8"	4 1/2	11.6#	I-80	9,100	1890 SX 50/50 POZ	1.31 YIELD	14.3 PPG

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) SHEILA UPCHEGO TITLE REGULATORY ANALYST

SIGNATURE  DATE 2/28/2007

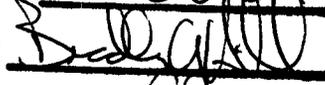
(This space for State use only)

API NUMBER ASSIGNED: 43-047-39080

Approved by the
 Utah Division of
 Oil, Gas and Mining

RECEIVED
 MAR 05 2007

DIV. OF OIL, GAS & MINING

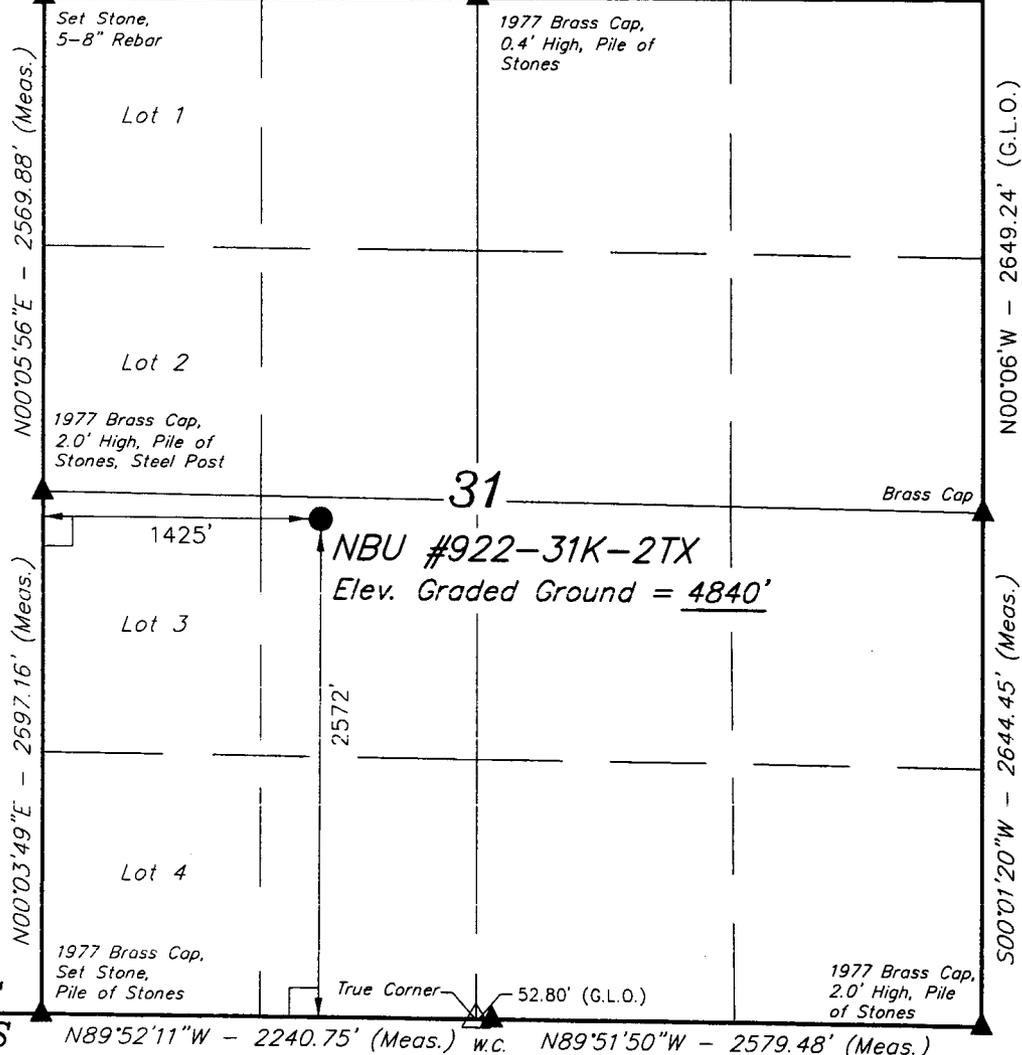
Date: 03-08-07
 By: 

R
21
E

R
22
E

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

N89°48'53"E - 2234.34' (Meas.) S89°49'W - 2630.10' (G.L.O.)



T9S
T10S

N89°52'11"W - 2240.75' (Meas.) w.c. N89°51'50"W - 2579.48' (Meas.)

1977 Brass Cap,
Flush w/Top of
Pile of Stones

LEGEND:

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

(NAD 83)
 LATITUDE = 39°59'32.38" (39.992328)
 LONGITUDE = 109°29'08.07" (109.485575)
 (NAD 27)
 LATITUDE = 39°59'32.51" (39.992364)
 LONGITUDE = 109°29'05.60" (109.484889)

Kerr-McGee Oil & Gas Onshore LP

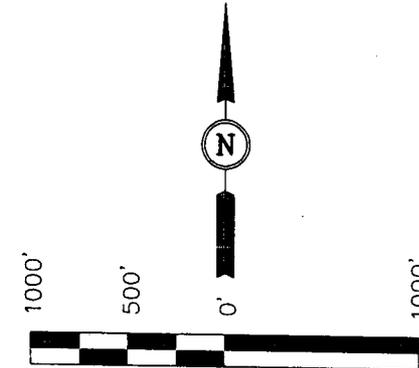
Well location, NBU #922-31K-2TX, located as shown in the NE 1/4 SW 1/4 of Section 31, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

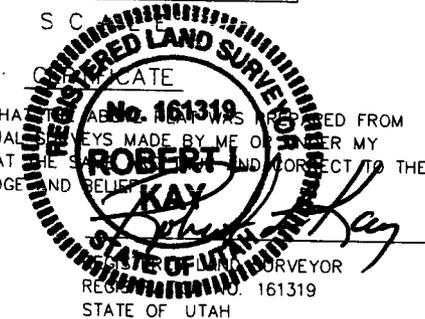
TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING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

BASIS OF BEARINGS

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



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



Revised: 3-1-07 K.G.

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 06-17-06	DATE DRAWN: 06-19-06
PARTY D.K. J.M. S.L.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 922-31K-2TX
NESW SEC 31-T9S-R22E
UINTAH COUNTY, UTAH
UTSTML-22935-A**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1146'
Top of Birds Nest Water	1455'
Mahogany	2084'
Wasatch	4380'
Mesaverde	6986'
MVU2	7912'
MVL1	8495'
TD	9100'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Water	Green River	1146'
	Top of Birds Nest Water	1455'
	Mahogany	2084'
Gas	Wasatch	4380'
Gas	Mesaverde	6986'
Gas	MVU2	7912'
Gas	MVL1	8495'
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 9100' TD, approximately equals 5642 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3640 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.

10. **Other Information:**

Please refer to the attached Drilling Program.



KERR-McGEE OIL & GAS ONSHORE LP
DRILLING PROGRAM

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2350	32.30	H-40	STC	0.63*****	1.25	3.82
PRODUCTION	4-1/2"	0 to 9100	11.60	I-80	LTC	7780	6350	201000
						2.17	1.14	2.18

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 3582 psi

***** Burst SF is low but csg is much stronger than formation at 2000'. EMW @ 2000' for 2270# is 21.8 ppg or 1.13 psi/ft

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)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		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	1500	Prem cmt + 16% Gel + 10 pps gilsonite +.25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,880'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	430	60%	11.00	3.38
	TAIL	5,220'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1460	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 NBU922-31K-2TX DHD.xls

**NBU 922-31K-2TX
NESW SEC 31-T9S-R22E
Uintah County, UT
UTSTML-22935-A**

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.

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

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

2. Planned Access Roads:

The operator will utilize an existing access road is proposed. Refer to Topo Map B for the location of the proposed 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.

The access road was centerline flagged during time of staking.

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.

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.

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 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 will be submitted when report becomes available.

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:

Sheila Upchego
Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East.
Vernal, UT 84078
(435) 781-7024

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.


Sheila Upchego

2/27/2007
Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-31K-2TX
SECTION 31, 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; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 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 2.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 400' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 50.8 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31K-2TX

LOCATED IN UINTAH COUNTY, UTAH
SECTION 31, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: WESTERLY



PHOTO: VIEW OF EXISTING ACCESS

CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

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

LOCATION PHOTOS

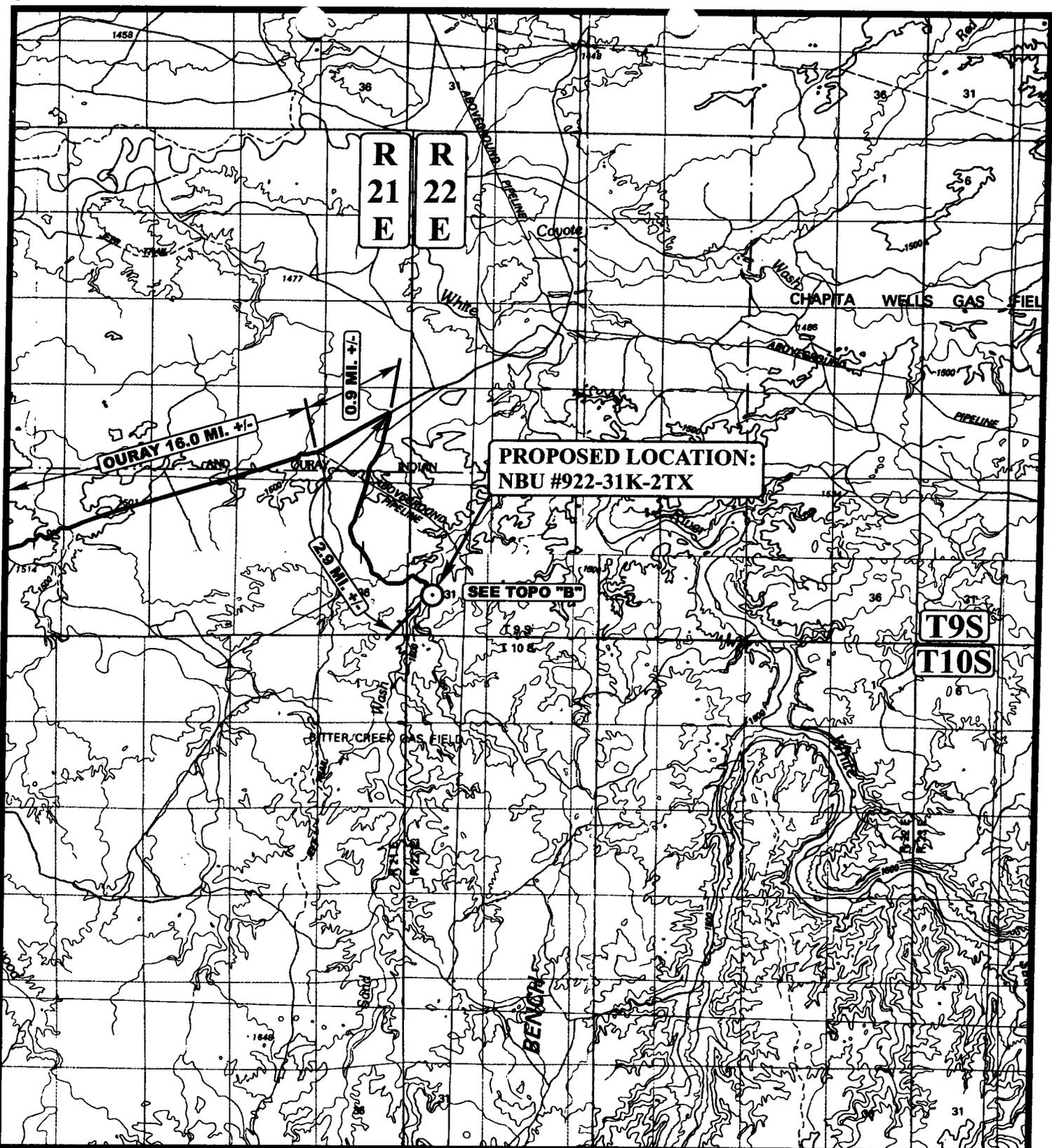
06 21 06
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: C.P.

REVISED: 03-01-07



LEGEND:

○ PROPOSED LOCATION



Kerr-McGee Oil & Gas Onshore LP

NBU #922-31K-2TX

SECTION 31, T9S, R22E, S.L.B.&M.

2572' FSL 1425' FWL



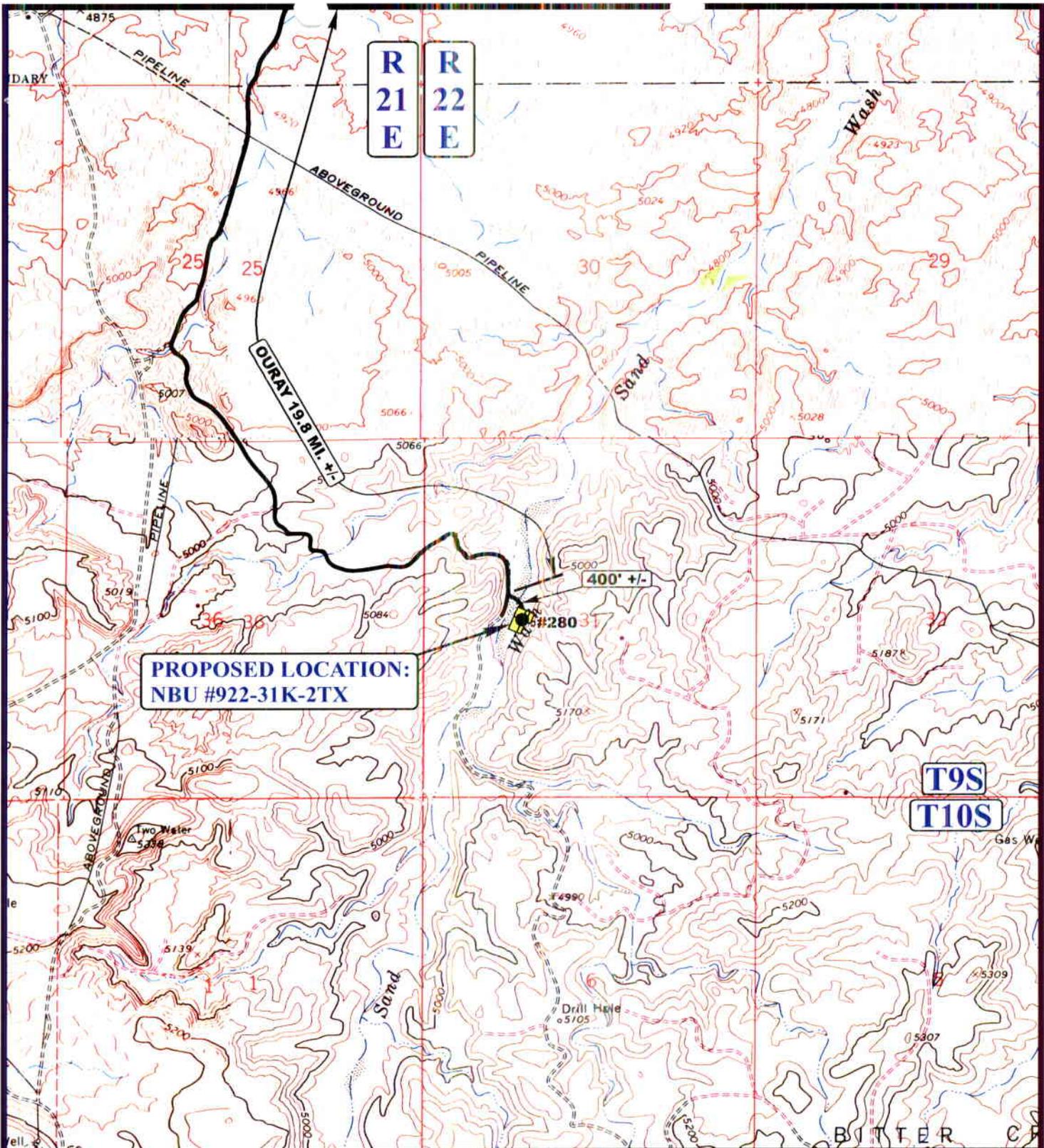
Uintah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC
MAP

06 21 06
 MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 03-01-07





**PROPOSED LOCATION:
NBU #922-31K-2TX**

**R
21
E** **R
22
E**

T9S
T10S

LEGEND:

— EXISTING ROAD

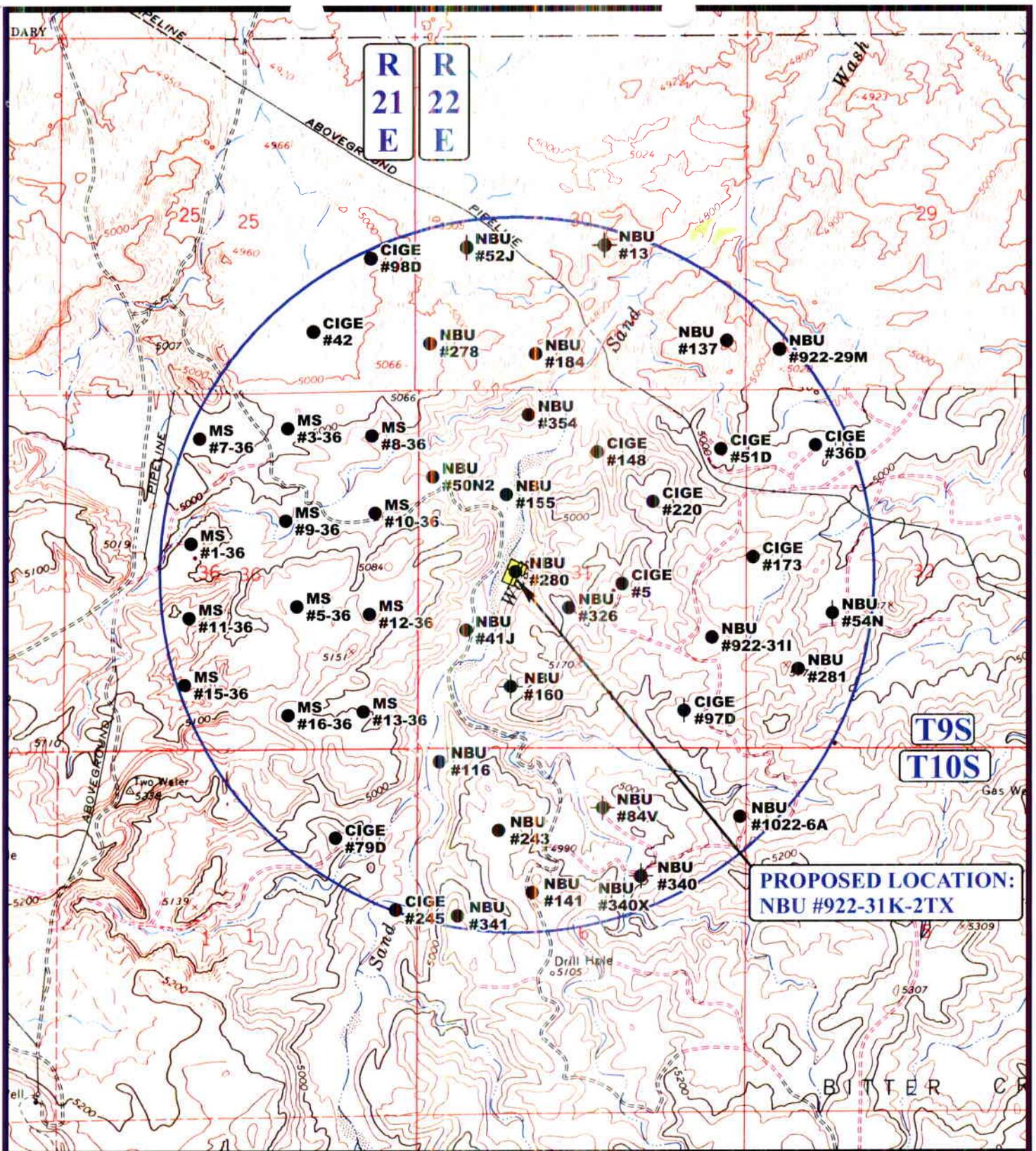


Kerr-McGee Oil & Gas Onshore LP

NBU #922-31K-2TX
SECTION 31, T9S, R22E, S.L.B.&M.
2572' FSL 1425' FWL

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

TOPOGRAPHIC MAP **06 21 06**
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 03-01-07 **B TOPO**



LEGEND:

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

Kerr-McGee Oil & Gas Onshore LP

NBU #922-31K-2TX
SECTION 31, T9S, R22E, S.L.B.&M.
2572' FSL 1425' FWL



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

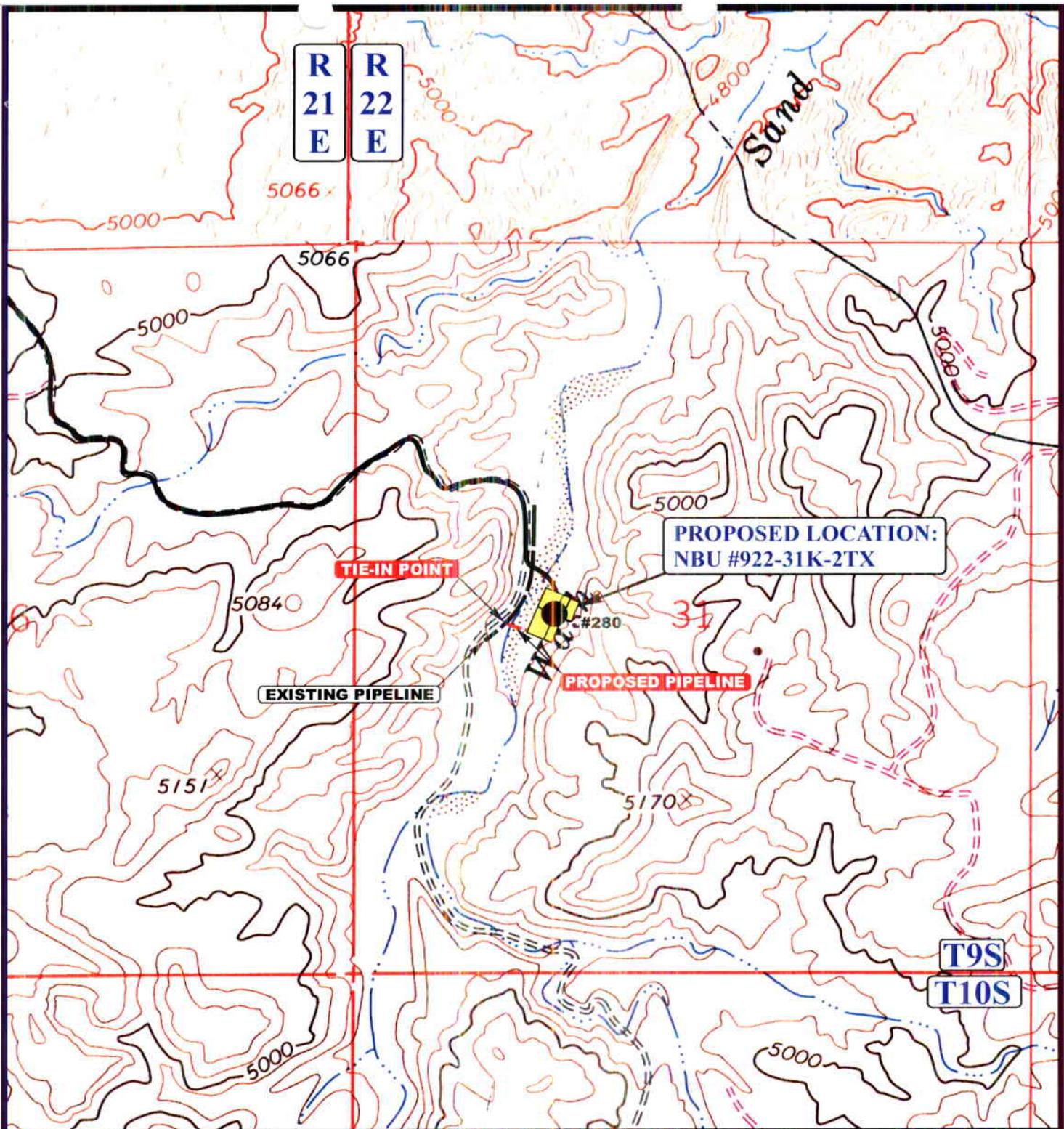


TOPOGRAPHIC
MAP

06 21 06
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 03-01-07





APPROXIMATE TOTAL PIPELINE DISTANCE = 150' +/-

LEGEND:

- EXISTING PIPELINE
- PROPOSED PIPELINE

Kerr-McGee Oil & Gas Onshore LP

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 2572' FSL 1425' FWL



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**TOPOGRAPHIC
 MAP**

10 05 06
 MONTH DAY YEAR



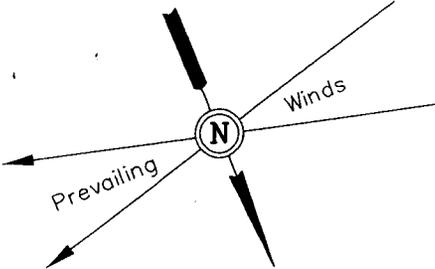
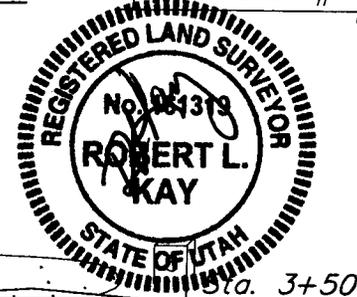
SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 03-01-07

Kerr-McGee Oil & Gas Onshore LP

FIGURE #1

LOCATION LAYOUT FOR

NBU #922-31K-2TX
SECTION 31, T9S, R22E, S.L.B.&M.
2572' FSL 1425' FWL



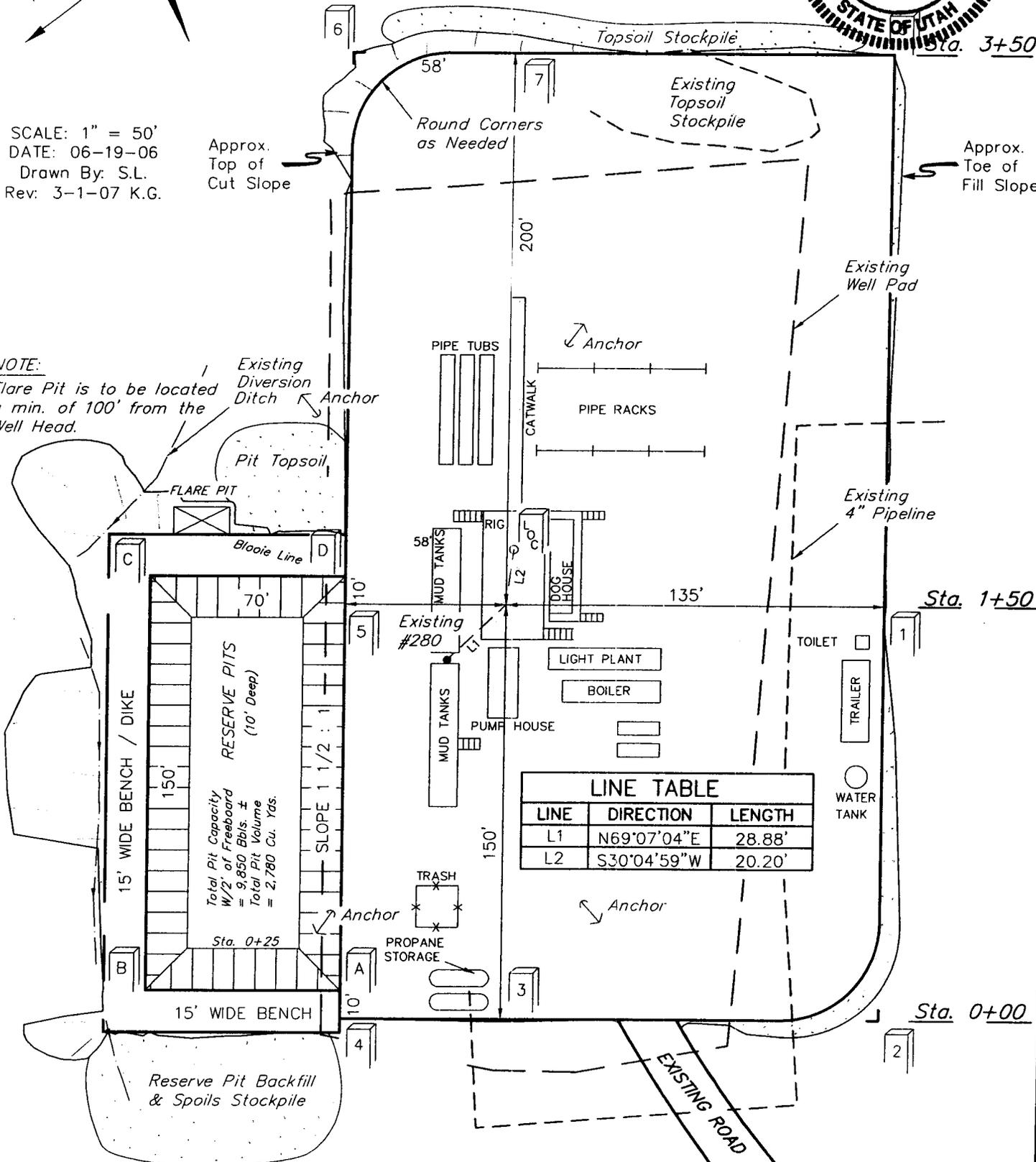
SCALE: 1" = 50'
DATE: 06-19-06
Drawn By: S.L.
Rev: 3-1-07 K.G.

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

NOTE:

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



Existing Diversion Ditch
Anchor
Pit Topsoil
FLARE PIT
Blaasie Line

RESERVE PITS (10' Deep)
15' WIDE BENCH / DIKE
150'
SLOPE 1 1/2 : 1
Sta. 0+25
15' WIDE BENCH

Total Pit Capacity
W/2' of Freeboard
= 9,850 Bbls. ±
Total Pit Volume
= 2,780 Cu. Yds.

Reserve Pit Backfill & Spoils Stockpile

LINE TABLE		
LINE	DIRECTION	LENGTH
L1	N69°07'04"E	28.88'
L2	S30°04'59"W	20.20'

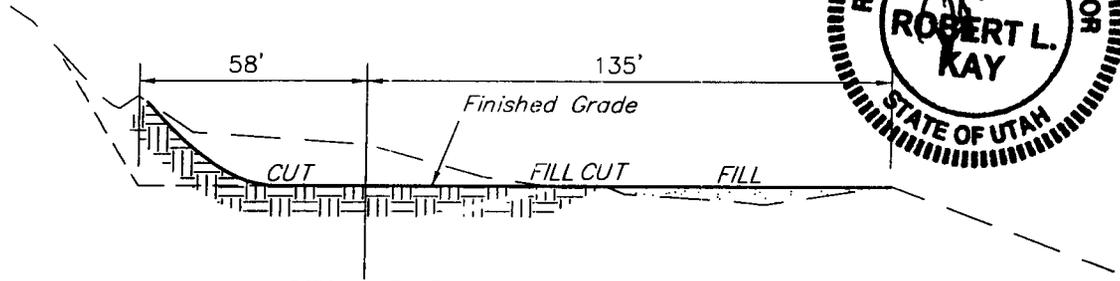
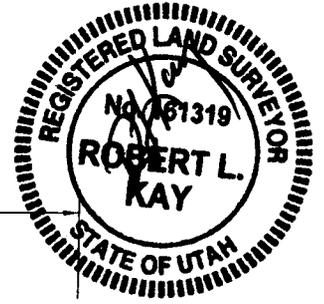
Herr-McGee Oil & Gas Onshore LP

FIGURE #2

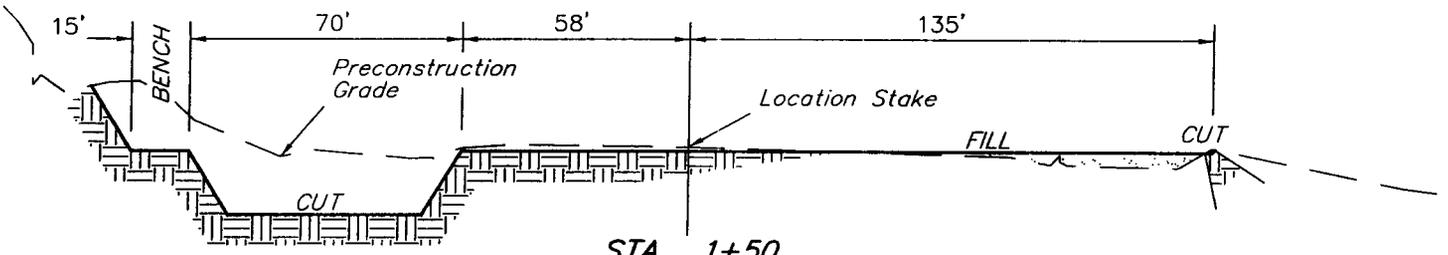
**TYPICAL CROSS SECTIONS FOR
NBU #922-31K-2TX
SECTION 31, T9S, R22E, S.L.B.&M.
2572' FSL 1425' FWL**

X-Section Scale
1" = 50'
1" = 20'

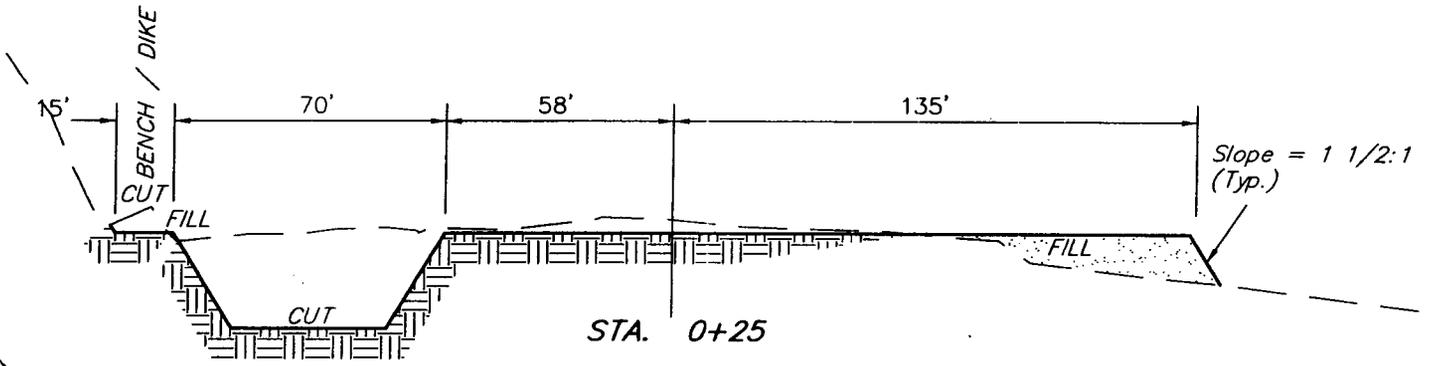
DATE: 06-19-06
Drawn By: S.L.
Rev: 3-1-07 K.G.



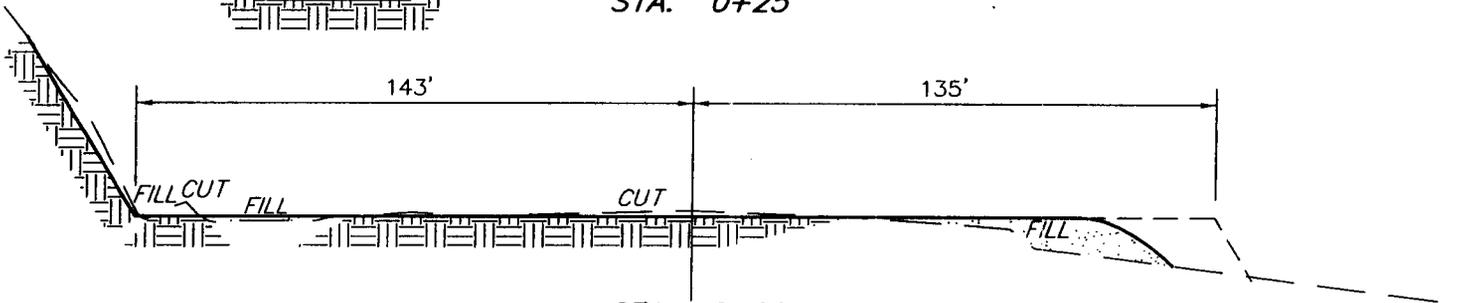
STA. 3+50



STA. 1+50



STA. 0+25



STA. 0+00

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

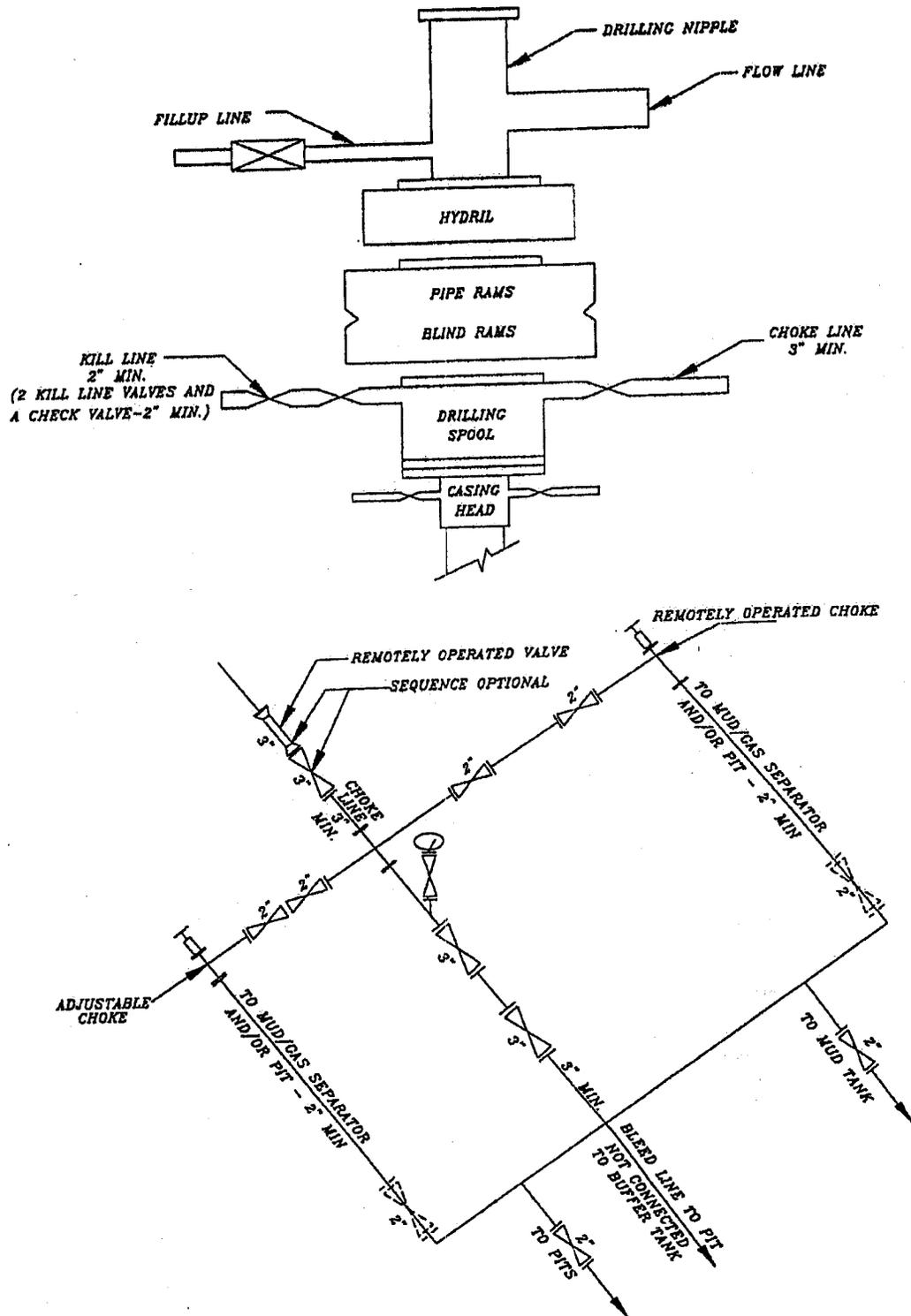
APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,710 Cu. Yds.
New Construction Only	
Remaining Location	= 4,100 Cu. Yds.
TOTAL CUT	= 5,810 CU.YDS.
FILL	= 2,710 CU.YDS.

EXCESS MATERIAL	= 3,100 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,100 Cu. Yds.
EXCESS UNBALANCE (After Interim Rehabilitation)	= 0 Cu. Yds.

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

5M BOP STACK and CHOKE MANIFOLD SYSTEM



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

RIG SKID

APD RECEIVED: 03/05/2008

API NO. ASSIGNED: 43-047-39080

WELL NAME: NBU 922-31K-2TX (RIGSKID)

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NESW 31 090S 220E
 SURFACE: 2572 FSL 1425 FWL
 BOTTOM: 2572 FSL 1425 FWL
 COUNTY: UINTAH
 LATITUDE: 39.99240 LONGITUDE: -109.4848
 UTM SURF EASTINGS: 629361 NORTHINGS: 4427803
 FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DUD	3/8/07
Geology		
Surface		

LEASE TYPE: 3 - State
 LEASE NUMBER: UTSTML-22935-A
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

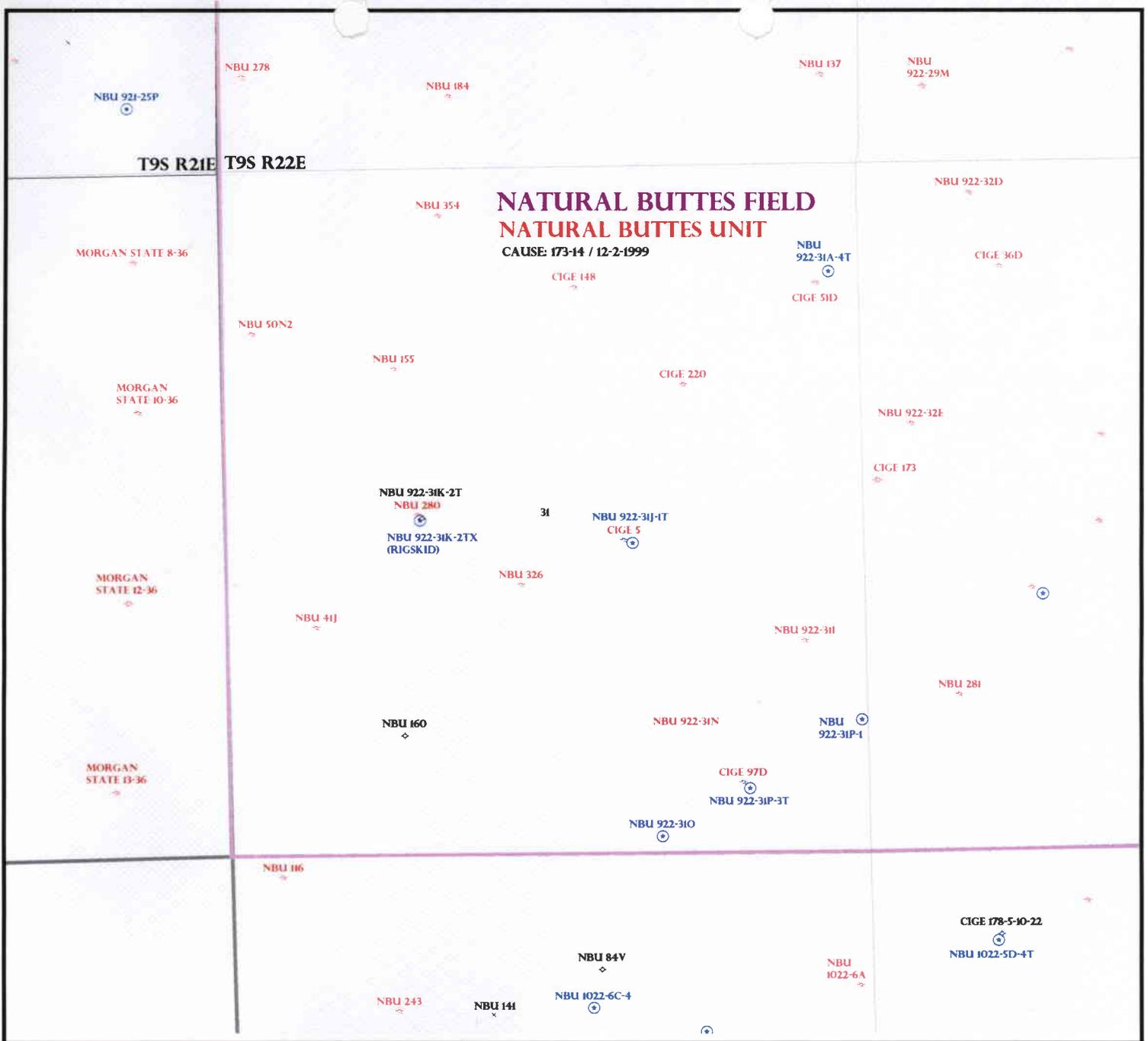
- _____ R649-2-3.
- Unit: NATURAL BUTTES
- _____ R649-3-2. General
Siting: 460' From Qtr/Qtr & 920' Between Wells
- _____ R649-3-3. Exception
- Drilling Unit
Board Cause No: 173-14
Eff Date: 12-2-99
Siting: 460' for u b drg. & uncomm. Tracts
- _____ R649-3-11. Directional Drill

COMMENTS:

Permit (10-3-06)

STIPULATIONS:

- 1- Surface Csg Cont Stop
- 2- Oil Shale
- 3- No NEW S.O.B. DUE TO RIG SKID



**NATURAL BUTTES FIELD
NATURAL BUTTES UNIT**

CAUSE: 173-14 / 12-2-1999

OPERATOR: KERR MCGEE O&G (N2995)
 SEC: 31 T.9S R. 22E
 FIELD: NATURAL BUTTES (630)
 COUNTY: UINTAH
 CAUSE: 173-14 / 12-2-1999

Field Status

ABANDONED
ACTIVE
COMBINED
INACTIVE
PROPOSED
STORAGE
TERMINATED

Unit Status

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

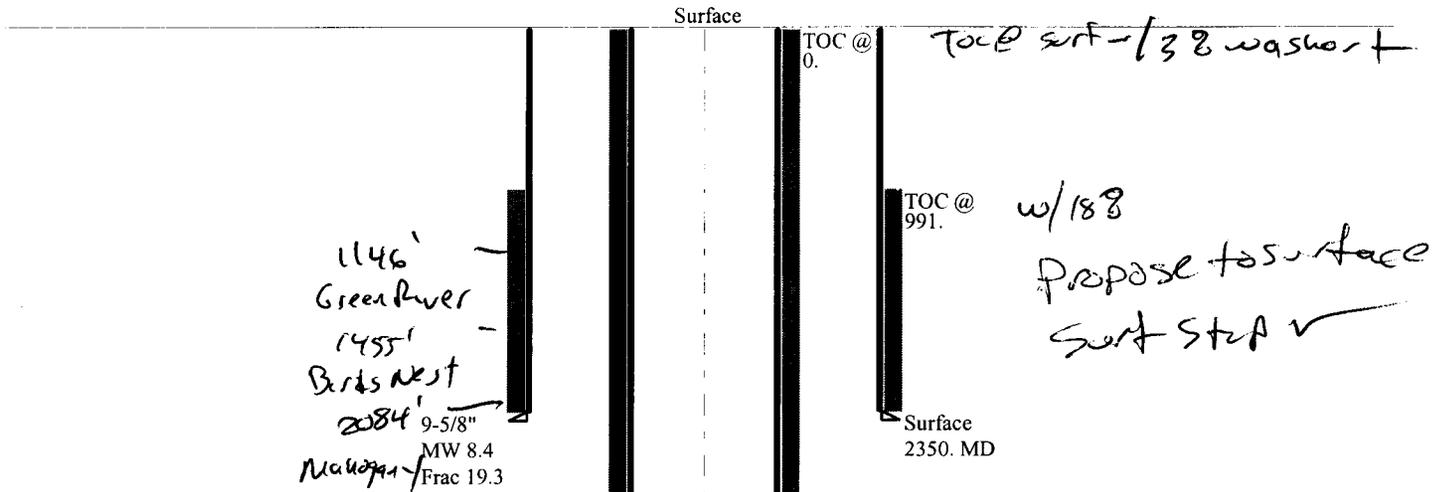
Wells Status

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



PREPARED BY: DIANA MASON
 DATE: 8-MARCH-2007

200'-03 Kerr McGee NBU 922-31K-2TX Rig Skid
Casing Schematic



BHD = 5578 psi;
Anticipate 5642 psi.

Gas
 $0.12(4100) = 1092 \text{ psi}$
 MASD = 4492 psi
 4380' w/section

Propose 5M BOPE ✓
 Surf cgs = 2270 psi
 703 = 1589
 Test to 1589 psi ✓
 6980' MV

Max press. @ shoe
 $(6750 \times 0.22) = 1485 \text{ psi}$
 $5578 - 1485 = 4093 \text{ psi}$
 Max allowable @ shoe = 2300 psi ✓
 4-1/2" MW 11.8

w/128 ✓

✓ As of date 12/23/107

Well name:	2007-03 Kerr McGee NBU 922-31K-2TX Rig Skid		
Operator:	Kerr McGee Oil & Gas Onshore L.P.		
String type:	Production	Project ID:	43-047-39080
Location:	Uintah County, Utah		

Design parameters:

Collapse

Mud weight: 11.800 ppg
 Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
 Surface temperature: 75 °F
 Bottom hole temperature: 202 °F
 Temperature gradient: 1.40 °F/100ft
 Minimum section length: 1,500 ft

Cement top: Surface

Burst

Max anticipated surface pressure: 3,576 psi
 Internal gradient: 0.220 psi/ft
 Calculated BHP 5,578 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)

Non-directional string.

Tension is based on buoyed weight.
 Neutral point: 7,495 ft

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	9100	4.5	11.60	I-80	LT&C	9100	9100	3.875	794.1
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	5578	6360	1.140	5578	7780	1.39	87	212	2.44 J

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

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

Date: March 8, 2007
 Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 9100 ft, a mud weight of 11.8 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:	2007-03 Kerr McGee NBU 922-31K-2TX Rig Skid	
Operator:	Kerr McGee Oil & Gas Onshore L.P.	
String type:	Surface	Project ID: 43-047-39080
Location:	Uintah County, Utah	

Design parameters:

Collapse

Mud weight: 8.400 ppg
Design is based on evacuated pipe.

Minimum design factors:

Collapse:

Design factor 1.125

Burst:

Design factor 1.00

Environment:

H2S considered? No
Surface temperature: 75 °F
Bottom hole temperature: 108 °F
Temperature gradient: 1.40 °F/100ft
Minimum section length: 1,500 ft

Cement top: 991 ft

Burst

Max anticipated surface pressure: 2,068 psi
Internal gradient: 0.120 psi/ft
Calculated BHP 2,350 psi

Annular backup: 2.13 ppg

Tension:

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

Tension is based on buoyed weight.
Neutral point: 2,060 ft

Non-directional string.

Re subsequent strings:

Next setting depth: 9,100 ft
Next mud weight: 11.800 ppg
Next setting BHP: 5,578 psi
Fracture mud wt: 19.250 ppg
Fracture depth: 2,350 ft
Injection pressure: 2,350 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
1	2350	9.625	32.30	H-40	ST&C	2350	2350	8.876	1038.4
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	1025	1370	1.336	2090	2270	1.09	67	254	3.82 J

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

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

Date: March 8, 2007
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 2350 ft, a mud weight of 8.4 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.



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

March 8, 2007

Kerr-McGee Oil & Gas Onshore LP
1368 S 1200 E
Vernal, UT 84078

Re: Natural Buttes Unit 922-31K-2TX Well, 2572' FSL, 1425' FWL, NE SW,
Sec. 31, 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 43-047-39080.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor (via e-mail)
SITLA
Bureau of Land Management, Vernal District Office

Operator: Kerr-McGee Oil & Gas Onshore LP
Well Name & Number Natural Buttes Unit 922-31K-2TX
API Number: 43-047-39080
Lease: UTSTML-22935-A

Location: NE SW **Sec.** 31 **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) 942-0873 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. 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.
6. 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
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078

Operator Account Number: N 2995

Phone Number: (435) 781-7024

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
<u>4304739080</u>	<u>NBU 922-31K-2TX</u>		<u>NESW</u>	<u>31</u>	<u>9S</u>	<u>22E</u>	<u>UINTAH</u>
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<u>B</u>	<u>99999</u>	<u>2900</u>	<u>2/26/2007</u>		<u>3/12/07</u>		
Comments: <u>MIRU PETE MARTIN BUCKET RIG. (NOTE: AN API HAS NOT BEEN YET ASSIGNED RIG SKID). SPUD WELL LOCATION ON 02/26/2007 AT 1430 HRS. WSMVD</u>							

DM+
C

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 LUPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

2/27/2007

Title

Date

To <u>EARLENE RUSSELL</u>	From <u>Sheila Lupchego</u>
Co./Dept. <u>LAND OIL & GAS</u>	Co. <u>KLUG</u>
Phone <u>(801) 936-9334</u>	Phone <u>(435) 781-7024</u>
Fax # <u>(801) 394-3440</u>	Fax # <u>(435) 781-7094</u>

RECEIVED

FEB 27 2007

DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTSTML-22935-A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

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

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

8. WELL NAME and NUMBER:
NBU 922-31K-2TX

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

9. API NUMBER:
43-047-39080

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

PHONE NUMBER:
(435) 781-7024

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **2572'FSL, 1425'FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESW 31 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: <u>WELL SPUD</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

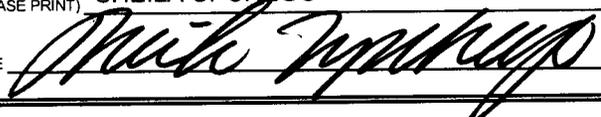
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 50'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/350 SX READY MIX.

SPUD WELL LOCATION ON 02/26/2007 AT 1430 HRS.

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **SENIOR LAND ADMIN SPECIALIST**

SIGNATURE 

DATE **2/26/2007**

(This space for State use only)

RECEIVED
MAR 05 2007
DIV. OF OIL, GAS & MINING

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTSTML-22935-A

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

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

8. WELL NAME and NUMBER:
NBU 922-31K-2TX

9. API NUMBER:
4304739080

10. FIELD AND POOL, OR WILDCAT:
NATURAL BUTTES

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

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

3. ADDRESS OF OPERATOR: PHONE NUMBER:
1368 SOUTH 1200 EAST CITY: VERNAL STATE: UT ZIP: 84078 (435) 781-7024

4. LOCATION OF WELL
FOOTAGES AT SURFACE: **2572'FSL, 1425'FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NESW 31 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 type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>SET SURFACE CSG</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

MIRU BILL MARTIN AIR RIG ON 02/27/2007. HIT WATER @90' DRILL TO 150' TOOH FOR CMT PLUG. TRIP DP OUT OF HOLE START CMT DOWN OPEN HOLE MIX & PMP 150 SX CMT 60' +/- DOWN WOC. DA NO WATER. DRILLED 12 1/4" SURFACE HOLE TO 2265'. RAN 9 5/8" 45 JTS OF 32.3# H-40 AND 10 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/200 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD RETURNS THROUGH OUT JOB 10 +/- BBL LEAD CMT TO PIT. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. NO CMT TO SURFACE. WOC. TOP OUT W/250 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **SENIOR LAND ADMIN SPECIALIST**

SIGNATURE 

DATE **3/9/2007**

(This space for State use only)

RECEIVED
MAR 14 2007
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		5. LEASE DESIGNATION AND SERIAL NUMBER: UTSTML-22935-A
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 922-31K-2TX
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078	PHONE NUMBER: (435) 781-7024	9. API NUMBER: 4304739080
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2572'FSL, 1425'FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 31 9S 22E		10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____ <input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: FINAL DRILLING OPERATIONS
	<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 2265' TO 9050' ON 04/05/2007. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/340 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1250 SX 50/50 POZ @14.3 PPG 1.31 YIELD. SET SLIPS CUT OFF CSG. CLEAN MUD TANKS.

RELEASED ENSIGN RIG 12 ON 04/05/2007 AT 2200 HRS.

NAME (PLEASE PRINT) SHEILA UPCHEGO	TITLE SENIOR LAND ADMIN SPECIALIST
SIGNATURE	DATE 4/10/2007

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: UTSTML-22935-A
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		7. UNIT or CA AGREEMENT NAME: UNIT #891008900A
		8. WELL NAME and NUMBER: NBU 922-31K-2TX
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	9. API NUMBER: 4304739080	
2. NAME OF OPERATOR: KERR MCGEE OIL & GAS ONSHORE LP	10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
3. ADDRESS OF OPERATOR: 1368 SOUTH 1200 EAST VERNAL UT 84078	PHONE NUMBER: (435) 781-7024	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2572'FSL, 1425'FWL		COUNTY: UINTAH
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 31 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <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 LOCATION WAS PLACED ON PRODUCTION ON 04/20/2007 AT 3:00 PM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

MAY 01 2007

NAME (PLEASE PRINT) <u>SHEILA UPCHEGO</u>	TITLE <u>SENIOR LAND ADMIN SPECIALIST</u>
SIGNATURE	DATE <u>4/23/2007</u>

(This space for State use only)



Anadarko Petroleum Corporation
1368 S. 1200 East
Vernal, UT 84078

CHRONOLOGICAL WELL HISTORY

NBU 922-31K-2TX

SWSENE, SEC. 31, T9S, R22E
UINTAH COUNTY, UT

DATE	ACTIVITY	STATUS
02/26/07	SET CONDUCTOR ENSIGN 12	
02/27/07	SET AIR RIG SPUD ENSIGN 12	DRLG
03/08/07	9 5/8" @2225' ENSIGN 12	WORT
03/26/07	TD: 3440' Csg. 9 5/8"@ 2225' MW: 8.6 SD: 3/25/07 DSS: 1 Move to NBU 922-31K-2TX. RURT. Spud well @ 1000 hrs 3/25/07. Drill from 2210'-3440'. DA.	
03/27/07	TD: 4500' Csg. 9 5/8"@ 2225' MW: 9.0 SD: 3/25/07 DSS: 2 Drill from 3440'-4500'. DA.	
03/28/07	TD: 5270' Csg. 9 5/8"@ 2225' MW: 9.2 SD: 3/25/07 DSS: 3 Drill from 4500'-5270'. TFNB.	
03/29/07	TD: 5310' Csg. 9 5/8"@ 2225' MW: 9.8 SD: 3/25/07 DSS: 4 TFNB. TIH to 2350'. Wash and ream bridges. Work stuck pipe at 4176'. CIH and drill from 5270'-5310'. DA.	
03/30/07	TD: 6260' Csg. 9 5/8"@ 2225' MW: 10.2 SD: 3/25/07 DSS: 5 Drill from 5310'-5316. Lost full returns. Pump LCM sweep. Drill to 5433. Lost returns. Pump LCM sweep. Drill to 6260'. DA.	
04/02/07	TD: 7365' Csg. 9 5/8"@ 2225' MW: 11.0 SD: 3/25/07 DSS: 8 Drill from 6260'-7352'. TFNB. Got stuck @ 6345'. Work pipe and spot diesel pill at bit. Work pipe free. Ream tight hole. FOOH. Change bit and MM. TIH to 7040'. Ream tight hole. FIH. Drill from 7352'-7365'. DA.	
04/03/07	TD: 8215' Csg. 9 5/8"@ 2225' MW: 11.3 SD: 3/25/07 DSS: 9 Drill from 7365' – 8215' DA. @ Report time.	
04/04/07	TD: 8538' Csg. 9 5/8"@ 2225' MW: 11.3 SD: 3/25/07 DSS: 10 Drill from 8215' – 8538'. TFNB @ Report time.	
04/05/07		

TD: 9050' Csg. 9 5/8"@ 2225' MW: 11.4 SD: 3/25/07 DSS: 11
TFNB. Drill from 8538'-9050' TD. Short trip @ Report time.

04/06/07

TD: 9050' Csg. 9 5/8"@ 2225' MW: 11.5 SD: 3/25/07 DSS: 12
CCH. Lay down drill string. Run Triple Combo. Run 4 1/2" Production Casing @ Report time.

04/09/07

TD: 9050' Csg. 9 5/8"@ 2225' MW: 11.5 SD: 3/25/07 DSS: 12
Run and cement 4 1/2" Production Casing. Set slips and release rig @ 2200 hrs 4/6/07. RDRT
and move to NBU 922-31P-3T.

04/13/07

MIRU

Days On Completion: 1

Remarks: RR FR NBU 922-31 O TO LOC. WAIT ON CONST WORK TO MOVE ON LOC. MI &
SPOT RIG. HIGH WINDS, WAIT FOR CALM. SPOT EQUIP. SDFWE.

04/16/07

PREP TO FRAC

Days On Completion: 4

Remarks: 7:00 AM HSM. RU RIG. ND WELLHEAD, NU BOP. PU 37/8" MILL, RIH PU 23/8" TBG.
235 JTS. EOT @ 7285. POOH W/ 238" TBG. ND BOP, NU FRAC VALVES. PRES TEST TO
7500 PSI. FRAC IN AM. SWI.

04/17/07

FRAC

Days On Completion: 5

Remarks: MIRU CUTTERS WIRELINE SERVICE (CWLS) & HALLIBURTON (HAL). ALL
STAGES WILL USE NALCO DVE-005 SCALE INHIBITOR (3 GPT IN PAD THRU HALF OF THE
1ST RAMP OF SAND & 10 GPT IN FLUSH); PERF GUNS WILL BE 3-3/8" EXPENDABLE (23
GM CHG, 40" PENE, 0.36" HOLE, 3 OR 4 SPF-120 OR 90 DEGREE PHASING
RESPECTIVELY); 30/50 OTTAWA SAND; SLICK WATER FROM PIT @ NBU 922-31O & GOAT
PASTURE POND; CBPs ARE BAKER 8K 4.5". HSM. TEST SURF LNS TO 8500#.

STAGE 1: PU PERF GUN. RIH, PERF: 8873-76', 8703-8706' & 8664-69'. TOT OF 44 HOLES.
POOH, LD WL TLS. MU HAL.OW: 0 PSI, BRK: 3880 PSI, ISIP: 2903 PSI, FG: 0.77. ER: 45.2
BPM @ 4880 PSI. POC: 100% (44/44). FRAC STG W/SW. TOT SND: 25,300 LBS, TOT FL:
793 BBL. ISIP: 1943 PSI, FG: 0.66. MP: 7345 PSI, MR: 52.7 BPM, AP: 5205 PSI, AR: 46.6 BPM.
MU CWLS.

STAGE 2: PU CBP & PERF GUN. RIH SET CBP @ 8550', PU, PERF: 8516-20', 8498-8501',
8440-41', 8362-64' & 8298-8300'. 4, 4, 4, 4 & 3 SPF EA RESPECTIVELY, TOT OF 46 HOLES.
POOH, LD WL TLS. MU HAL. OW; 60 PSI, BRK: 3271 PSI, ISIP: 2321 PSI, FG: 0.72. ER: 45
BPM @ 4100 PSI. POC: 96% (44/46). FRAC STG W/SW. TOT SND: 119,400 LBS, TOT FL:
3180 BBL. ISIP: 2569 PSI, FG: 0.75. MP: 6337, MR: 59 BPM, AP: 4733 PSI, AR: 56.1 BPM.
MU CWLS.

STAGE 3: PU CBP & PERF GUN. RIH SET CBP@ 8048', PU, PERF: 8014-18', 7888-93' &
7837-40'. 3, 4 & 4 SPF EA RESPECTIVELY. TOT OF 44 HOLES. POOH, LD WL TLS. OW: 50
PSI, BRK: 2739 PSI, ISIP: 2004 PSI, FG: 0.69. ER: 50 BPM @ 4100 PSI. POC: 77% (34/44).
FRAC STG W/SW. TOT SND: 25,810 LBS, TOT FL: 718 BBL. ISIP: 2653 PSI, FG: 0.77. MP:
4419 PSI, MR: 53.3 BPM, AP: 3968 PSI, AR: 49.1 BPM. MU CWLS.

STAGE 4: PU CBP & PERF GUN. RIH SET CBP @ 7659', PU, PERF: 7624-29', 7581-84' &
7542-45'. 4 SPF EA, TOT OF 44 HOLES. POOH, LD WL TLS. MU HAL. OW: 1400 PSI, BRK:
2707 PSI, ISIP: 1917 PSI, FG: 0.69. ER: 46 BPM @ 3440 PSI. POC: 100% (44/44). FRAC STG
W/SW. TOT SND: 24,140 LBS, TOT FL: 716 BBL. ISIP: 1624 PSI, FG: 0.65. MP: 4011 PSI, MR:
55.6 BPM, AP: 3524 PSI AR: 50.2 BPM. MU CWLS.

STAGE 5: PU CBP & PERF GUN. RIH SET CBP @ 7350', PU, PERF: 7313-15', 7250-52', 7207-10', 7135-37' & 7046-49'. 4, 3, 4, 4, & 4 SPF EA RESPECTIVELY. TOT OF 46 HOLES. POOH, LD WL TLS. MU HAL.OW: 1300 PSI, BRK: 2453 PSI, ISIP: 1474 PSI, FG: 0.65. ER: 50 BPM @ 3350 PSI. POC: 83% (38/46). FRAC STG W/SW. TOT SND: 83,100 LBS, TOT FL: 2159 BBL. ISIP: 1817 PSI, FG: 0.69. MP: 4034 PSI, MR: 54.7 BPM, AP: 3345 PSI, AR: 51 BPM. MU CWLS.

STAGE 6: PU CBP & PERF GUN. RIH SET CBP@ 6758', PU, PERF: 6725-28', 6695-97' & 6554-59'. 4 SPF EA, TOT OF 40 HOLES. POOH, LD WL TLS, MU HAL.OW: 1400 PSI, BRK: 2453 PSI, ISIP: 1474 PSI, FG: 0.69. ER: 52 BPM @ 4100 PSI, POC: 93% (37/40). FRAC STG W/SW. TOT SND: 28,800 LBS, TOT FL: 700 BBL, ISIP: 1487 PSI, FG: 0.66. MP: 4524 PSI,

04/18/07

D/O PLUGS

Days On Completion: 6

Remarks: HSM. ND FRAC VLVS, NU BOP. PU 3-7/8" ROCK BIT & FE POBS. RIH W/BIT, SUB & TBG. TAG KILL PLUG @ 6510'. X-OVER EQUIP TO PWR SWVL. RU PMP TO SWVL, ESTAB CIRC, D/O CBPs AS FOLLOWS:

CBP#	FILL DPTH	CBP DPTH	PSI INCR
1	6510'	6510'	200
2	6735'	6758'	400
3	7335'	7350'	1100
4	7650'	7659'	800
5	8030'	8048'	500
6	8530'	8550'	500

CONT TO C/O TO 8980'. CIRC RAT HOLE CLN. POOH, LD TOT OF 42 JTS ON FLT. PU HANGER, LND TBG W/EOT @ 7935.36'. RD FLR, ND BOP, NU WH, DROP BALL. RU FL TO PIT, RU PMP TO TBG. PMP OFF BIT & SUB. OPEN WELL TO PIT. TURN WELL OVER TO FBC (FRANK SURSA).

FLOW BACK REPORT: CP: 2400#, TP: 1900#, 50 BWPH, 20/64 CHK, BBLS REC'D: 775, LLTR: 5391

04/19/07

FLOW BACK REPORT: CP: 2800#, TP: 1900#, 30 BWPH, 20/64 CHK, BBLS REC'D: 1655, LLTR: 4511

04/20/07

FLOW BACK REPORT: CP: 2650#, TP: 1900#, 25 BWPH, 20/64 CHK, BBLS REC'D: 2295, LLTR: 3871

ON SALES: 868 MCF, 0 BC, 350 BW, TP: 1900, CP: 2650#, 20/64 CHK, 24 HRS, LP: 108#.

04/21/07

FLOW BACK REPORT: CP: 2450#, TP: 1750#, 17 BWPH, 20/64 CHK, BBLS REC'D: 2718, LLTR: 3448

ON SALES: 2310 MCF, 0 BC, 408 BW, TP: 1750, CP: 2450#, 20/64 CHK, 24 HRS, LP: 9#.

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

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTSTML-22935-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT OR CA AGREEMENT NAME
UNIT #891008900A

8. WELL NAME and NUMBER:
NBU 922-31K-2TX

9. API NUMBER:
4304739080

10. FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 31 9S 21E

12. COUNTY
UINTAH

13. STATE
UTAH

14. DATE SPUDDED: **2/14/2007** 15. DATE T.D. REACHED: **4/5/2007** 16. DATE COMPLETED: **4/20/2007**
ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
4840'GL

18. TOTAL DEPTH: MD **9,050** 19. PLUG BACK T.D.: MD **8,980** 20. IF MULTIPLE COMPLETIONS, HOW MANY? *
TVD TVD

21. DEPTH BRIDGE MD
PLUG SET: TVD

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

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#		50		350			
12 1/4"	9 5/8 H-40	32.3# 36#		2,265		900			
7 7/8"	4 1/2 I-80	11.6#		9,050		1590			

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"	7.935							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) WASATCH	6,554	6,728			6,554 6,728	0.36	40	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) MESAVERDE	7,046	8,876			7,046 8,876	0.36	224	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

27. PERFORATION RECORD

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
6554'-6728'	PMP 700 BBLs SLICK H2O & 28,800# 30/50 SD
7046'-8876'	PMP 7566 BBLs SLICK H2O & 277,750# 30/50 SD

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: 4/20/2007		TEST DATE: 4/25/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 0	GAS - MCF: 2,574	WATER - BBL: 360	PROD. METHOD: FLOWING
CHOKE SIZE: 18/64	TBG. PRESS. 1,389	CSG. PRESS. 1,796	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,574	WATER - BBL: 360	INTERVAL STATUS: PROD	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED: 4/20/2007		TEST DATE: 4/25/2007		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 0	GAS - MCF: 2,574	WATER - BBL: 360	PROD. METHOD: FLOWING
CHOKE SIZE: 16/64	TBG. PRESS. 1,389	CSG. PRESS. 1,796	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,574	WATER - BBL: 360	INTERVAL STATUS: PROD	

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)
WASATCH	4,385	7,030			
DARK CANYON	7,030	7,101			
MESAVERDE	7,101				

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 SENIOR LAND ADMIN SPECIALIST

SIGNATURE

DATE 5/24/2007

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: UTSTML-22935-A
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 922-31K-2TX (RIGSKID)
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.	9. API NUMBER: 4304739080000
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: 2572 FSL 1425 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 31 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: 8/13/2009	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input 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
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	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL LOCATION. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL BORE TO DRILL THE NBU 922-31F PAD WELLS. WHICH CONSIST OF NBU 922-31F3S, NBU 922-33F2S, NBU 922-31J2S. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANODN PROCEDURE.

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

Date: August 11, 2009
By: *Don K. Duff*

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 8/7/2009	

NBU 922-31K2TX
 2572' FSL & 1425' FWL
 NESE SEC. 31, T9S, R21E
 Uintah County, UT

KBE: 4854'
 GLE: 4840'
 TD: 9050'
 PBDT: 8980'

API NUMBER: 43-047-39080
 LEASE NUMBER: UT-ST-ML-22935-A
 WI: 100.0000%
 NRI: 83.202949%

CASING: 20" hole
 14" STL 36.7# csg @ 50' GL
 Cemented to surface w/ 350 sx

12 1/4" hole
 9 5/8" 32.3# H-40@ 2265' (KB)
 Cement w/ 400 sx Class G, pumped 4 top jobs (total of 350 sx) to get cement to surface. TOC @ Surface.

7.875" hole
 4 1/2" 11.6# I-80 @ 9050'
 Cement w/ 340 sks Prem Lite II, yield 3.38 lead & tail 1250 sks 50/50 Poz, yield 1.31.
 TOC @ 1082' per CBL

TUBING: 2 3/8" 4.7# J-55 tubing landed at 7935'

Tubular/Borehole	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	1.901	8100	7700	0.1624	0.02173	0.00387
4.5" 11.6# P-110	3.875	7560	10690	0.6528	0.0872	0.01554
9.625" 32.3# H-40	8.845	1400	2270	3.3055	0.4418	0.0787
14" 36.7# Stl						
Annular Capacities						
2.375" tbg. X 4 1/2" 11.6# csg				0.4227	0.0565	0.01006
4.5" csg X 9 5/8" 32.3# csg				2.4780	0.3314	0.0590
4.5" csg X 7.875 borehole				1.7052	0.2278	0.0406
9.625" csg X 12 1/4" borehole				2.3436	0.3132	0.0558
9.625" csg X 14" csg				3.4852	0.4659	0.0830
14" csg X 20" borehole						

GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1193'
Bird's Nest	1459'
Mahogany	1934'
Base of Parachute	3164'
Wasatch	4385'
Dark Canyon	7030'
Mesa Verde	7101'

Tech. Pub. #92 Base of USDW's

USDW Elevation 1800' MSL

USDW Depth 3054' KBE

PERFORATIONS:

Formation	Date	Top	Btm	SPF	Status
Wasatch	4/17/2007	6,554.00	6,559.00	4	Open
Wasatch	4/17/2007	6,695.00	6,697.00	4	Open
Wasatch	4/17/2007	6,725.00	6,728.00	4	Open
Dark Canyon	4/17/2007	7,046.00	7,049.00	4	Open
Mesaverde	4/17/2007	7,135.00	7,137.00	4	Open
Mesaverde	4/17/2007	7,207.00	7,210.00	4	Open
Mesaverde	4/17/2007	7,250.00	7,252.00	3	Open
Mesaverde	4/17/2007	7,313.00	7,315.00	4	Open
Mesaverde	4/17/2007	7,542.00	7,545.00	4	Open
Mesaverde	4/17/2007	7,581.00	7,584.00	4	Open
Mesaverde	4/17/2007	7,624.00	7,629.00	4	Open
Mesaverde	4/17/2007	7,837.00	7,840.00	4	Open
Mesaverde	4/17/2007	7,888.00	7,893.00	4	Open
Mesaverde	4/17/2007	8,014.00	8,018.00	3	Open
Mesaverde	4/17/2007	8,298.00	8,300.00	3	Open
Mesaverde	4/17/2007	8,362.00	8,364.00	4	Open
Mesaverde	4/17/2007	8,440.00	8,441.00	4	Open
Mesaverde	4/17/2007	8,498.00	8,501.00	4	Open
Mesaverde	4/17/2007	8,516.00	8,520.00	4	Open
Mesaverde	4/17/2007	8,703.00	8,706.00	4	Open
Mesaverde	4/17/2007	8,864.00	8,869.00	4	Open
Mesaverde	4/17/2007	8,873.00	8,876.00	4	Open

WELL HISTORY:

- NBU 922-31K-2T (2589' FSL & 1435' FWL) was spud on 2/14/07. Conductor hole was drilled to 50' and 14" 36.7# csg ran and cemented w/ 125 sx cement. The air rig moved onto location and drilled to 2340'. They became stuck making a connection. Several attempts were made to free the drill pipe. They moved a wireline truck onto location and free point was run. They retrieved 6 drill collars, leaving fish top @ 2000' (fish consisted of 7-6" drill collars, 4-8" drill collars and a tri-cone bit). Abandonment procedure began on 2/25/07. Rig was skidded 20' "forward" and commenced drilling the 922-31K2TX.
- Spud on 2/14/07
- TD'd on 4/5/07
- 4/17/07 - Perf gross Mesaverde/Wasatch interval f/ 6554' - 8876', frac interval in 6 stages w/ 306,550# 30/50 sand & 8266 bbls slickwater fluid. Drill out plugs and turn over to flowback crew.
- 4/20/07 - 1st sales, 2574 Mcfd, 360 bwpd, FTP 1389#, CP 1796#, ck 18/64"
- Well is being Temporarily Abandoned to accommodate drilling operations. Well will be RTP when the 922-31K Pad is complete.

REMARKS:

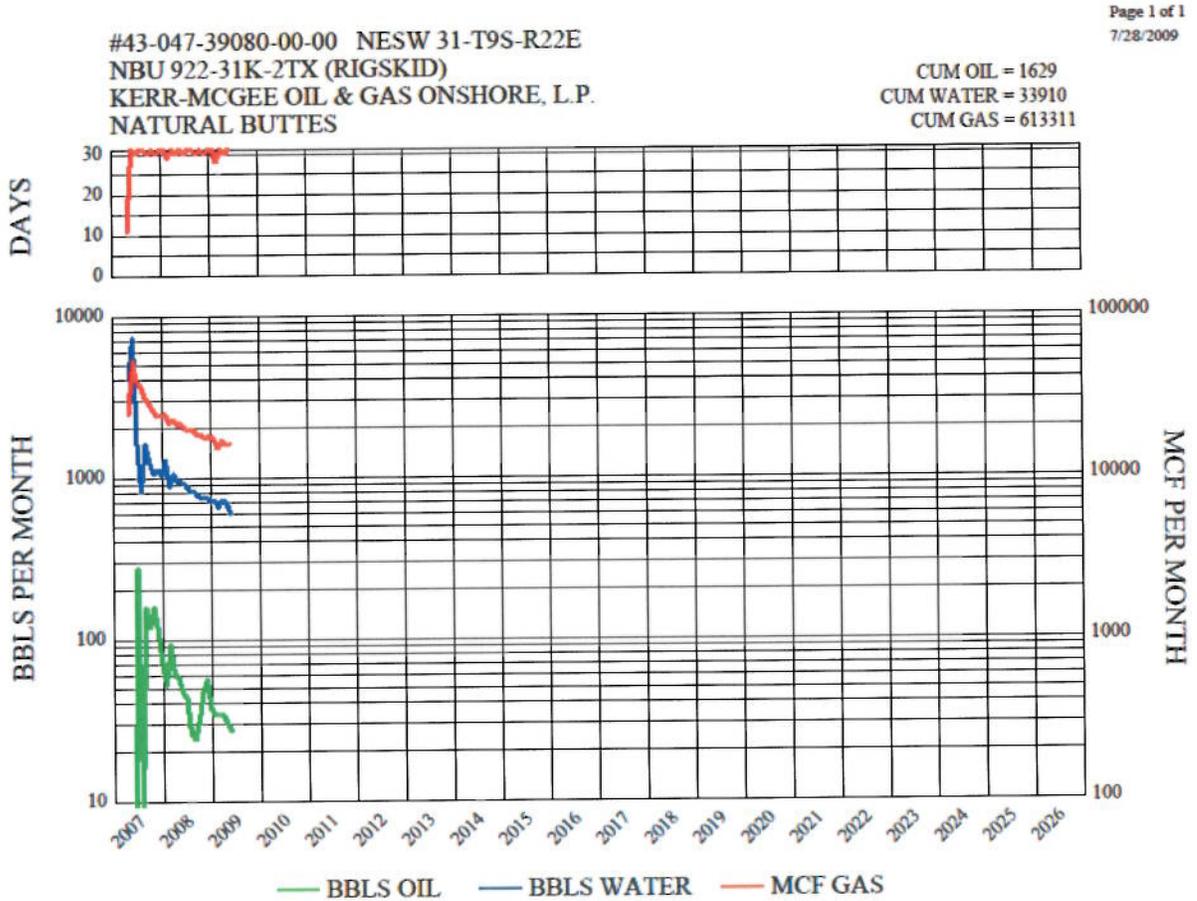
- Land Exploration/Operations - This well is producing from the Was/MV formations. The lease is held by the NB Unit. OK to TA. Jason Rayburn 6/30/09
- Geology - Ok to TA during pad drilling. BJK 7/14/09
- Reservoir Engineering - This well was completed to the Wasatch and Mesaverde in Apr 2007 and has gross cum production of 597 MMCF. As of Q209, the net remaining reserves are

2,232 MMCFE. Currently, the average rate is 500 mcf/d with a LGR of 40 bbl/mmcfe. The marginal well screening tool shows a breakeven EBITDA of \$1.63/mcfe for Jan-Apr 09. Recommend to TA while drilling and completing the NBU 922-31F pad wells. LNG 6/30/09.

- Operations Engineering - OK to TA. Will bring back to production after 31F is drilled. MB 7/10/2009
- Green River Geology - OK to TA. S.P. Kelly 6/30/2009.

Recommended future action for disposition of well bore:

- TA the well during the drilling and completion operations of the NBU 922-31K pad wells. Return to production as soon as possible.



NBU 922-31K2TX 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 BIOCID. PREMIX 5 GALLONS PER 100 BBLs FLUID.
- NOTIFY UDOGM 24 HOURS BEFORE MOVING ON LOCATION.

PROCEDURE

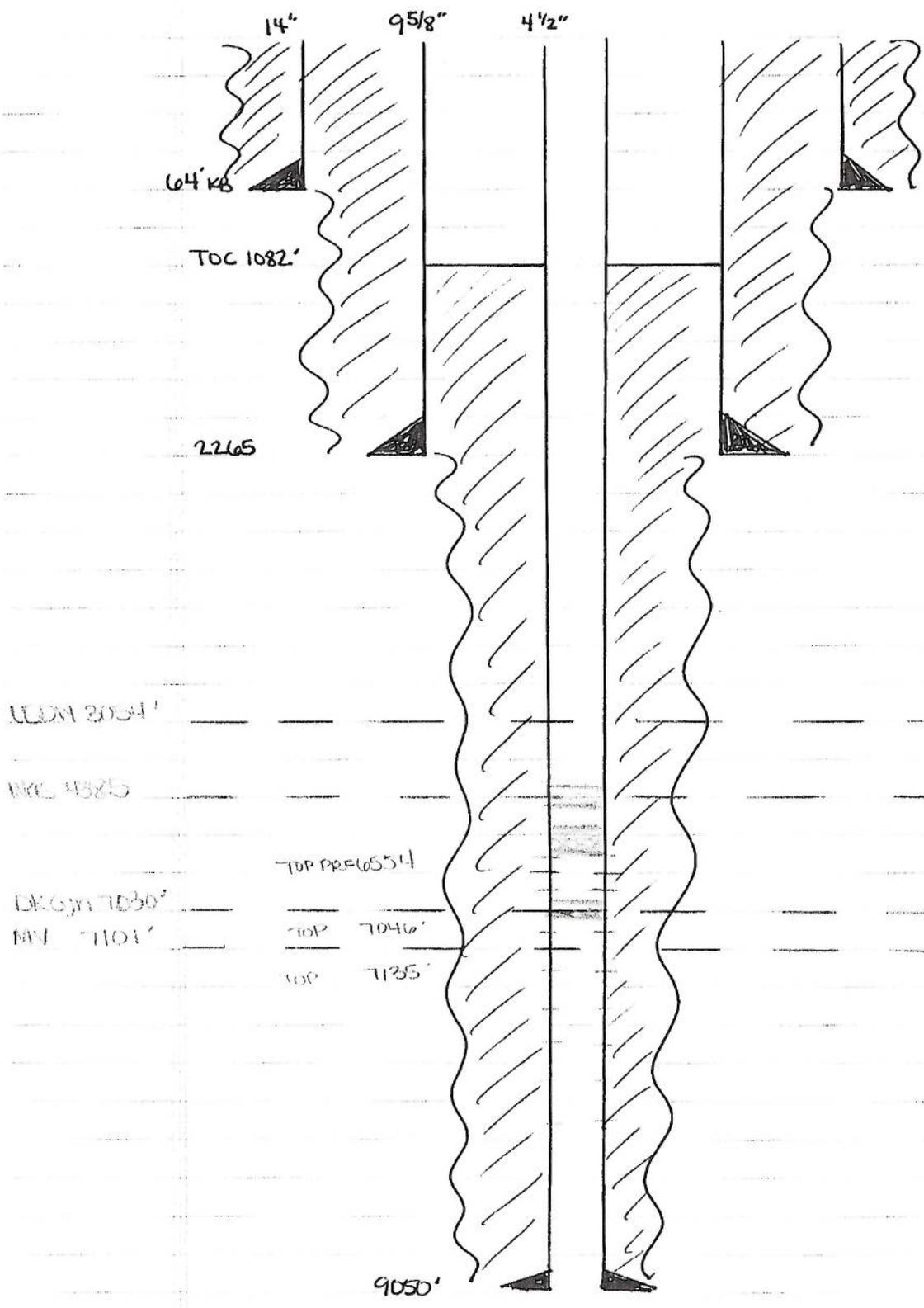
Note: An estimated 23 sx Class "G" cement needed for procedure

Note: Gyro ran to 7900'

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
3. **PLUG #1, ISOLATE MESAVERDE PERFORATIONS (7046' - 8876')**: RIH W/ 4 ½" CBP. SET @ ~6996'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF 4 SX CMT (4.36 CUFT) ON TOP OF PLUG. PUH ABOVE TOC (~6946'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #2, ISOLATE WASATCH PERFORATIONS (6554' - 6728')**: POOH. RIH W/ 4 ½" CBP, SET @ ~6504'. RELEASE CBP, BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF 4 SX (4.36 CUFT.) ON TOP OF PLUG. PUH ABOVE TOC (~6454'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #3, PROTECT WASATCH TOP (4385')**: PUH TO ~4485'. BRK CIRC W/ FRESH WATER. DISPLACE 15 SX (17.44 CUFT.) AND BALANCE PLUG W/ TOC @ ~4285' (200' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER BLM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 7/28/09

RECEIVED August 07, 2009



WDOG M
 922-31K 2TX

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: UTSTML-22935-A
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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: 2572 FSL 1425 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NESW Section: 31 Township: 09.0S Range: 22.0E Meridian: S	9. FIELD and POOL or WILDCAT: NATURAL BUTTES COUNTY: UINTAH STATE: UTAH

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<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 9/3/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
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	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THE OPERATOR HAS PERFORMED A TEMPORARILY ABANDON ON THE SUBJECT WELL LOCATION, TO DRILL THE NBU 922-31F PAD WELLS WHICH CONSISTS OF NBU 922-31F3S; NBU 922-31F2S; NBU 922-31J2S. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON CHRONOLOGICAL WELL HISTORY.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 October 13, 2009

NAME (PLEASE PRINT) Sheila Wopsock	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A		DATE 10/13/2009

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-31K-2TX		Spud Date: 3/25/2007	
Project: UTAH-UINTAH		Site: NBU 922-31K-2TX PAD	Rig Name No: MILES 2/2
Event: ABANDONMENT		Start Date: 9/1/2009	End Date: 9/3/2009
Active Datum: RKB @4,853.99ft (above Mean Sea Level)		UWI: NBU 922-31K-2TX	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/1/2009	7:00 - 7:30	0.50	ABAND	48		P		JSA RD, MOVE RIG, RU
	7:30 - 15:00	7.50	ABAND	31		P		RDMO TO LOC. RU, BLOW WELL DWN, KILL WITH 30 BBLS TREATED 2% KCL, NDWH, NUBOP'S. SWIFN
9/2/2009	7:00 - 7:30	0.50	ABAND	48		P		HSM, CONTROLLING WELL AND WORKING W/ SCAN TEC.
	7:30 - 15:00	7.50	ABAND	31	I	P		SICP 850 PSI, SITP 725 PSI, CONTROL WELL 40 BBLS 2% KCL, UNLAND TBG L/D HANGER. RU SCAN TEC, POOH W/ 262 JTS 23/8 J-55, L/D X/N AND NOTCHED COLLAR W/ BUMPER SPRING ON X/N. TOTAL 190 BBLS 2% KCL USED TO CONTROL WELL WHILE POOH. HAD 131 YELLOW, 48 BLUE, 83 BAD.RD SCAN TEC SWI SDFN.
9/3/2009	7:00 - 7:30	0.50	ABAND	48		P		HSM, WORKING W/ WIRELINE COMPANY.
	7:30 - 15:00	7.50	ABAND	34	I	P		SICP 750 PSI, OPEN WELL TO FB TNK, RU CASED HOLE WIRELINE, CONTROL WELL W/ 40 BBLS 2% KCL, RIH SET HAL 10K CBP @ 6504', POOH FILL CSG W/ 40 BBLS 2%, TEST CSG TO 1,000# OK. RIH MADE 2- DUMP BAILER RUNS TO SPOT 4 SKS CMT ON PLUG. RD WIRE LINE, RIH W/ 150 JTS 23/8 J-55 EOT @ 4486'. RU PRO PETRO, BREAK CIRC W/ 8 BBLS, PUMPED 5 BBLS FRESH WTR, 17 SKS G 15.8#, 1.15 YEILD CMT, 2 BBLS FRESH WTR, DISPLACE W/ 14.7 BBLS TO SET BALANCE CMT PLUG F/ 4486' UP TO 4276', LD/7 JTS 23/8 J-55, EOT @ 4209' REV CIRC W/ 25 BBLS 2%. RD PRO PETRO. L/D REM 23/8 TBG TOTAL 262 JTS ON FLOAT. RD FLOOR & EQUIP, ND BOPS AND B SECTION OF WELL HEAD, INSTALL WHITCH HAT ON WELL. SDFWE.

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

This previously temporarily abandoned well was returned to production on August 31, 2010.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 September 07, 2010

NAME (PLEASE PRINT) Gina Becker	PHONE NUMBER 720 929-6086	TITLE Regulatory Analyst II
SIGNATURE N/A	DATE 9/7/2010	

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<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 10/14/2011	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
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	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 50px;" type="text"/>

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

The Operator requests approval to recomplete the subject well to the Wasatch formation. The Operator requests approval to commingle the recompleted Wasatch formation with the existing Wasatch/Mesaverde formations. Please see the attached procedure. Thank you.

Approved by the Utah Division of Oil, Gas and Mining

Date: 10/19/2011

By: *Derek Duff*

NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/14/2011	

Greater Natural Buttes Unit



NBU 922-31K-2TX
RE-COMPLETIONS PROCEDURE

DATE:10/11/2011
AFE#:2064878
API#:4304739080
USER ID:OOT937 (Frac Invoices Only)

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

SIGNATURE:

ENGINEERING MANAGER: JEFF DUFRESNE

SIGNATURE:

REMEMBER SAFETY FIRST!

- 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 @~7994
- Originally completed on 4/17/2007

Existing Perforations:

<u>PERFORATIONS</u>									
<u>Formation</u>	<u>Zone</u>	<u>Top</u>	<u>Btm</u>	<u>spf</u>	<u>Shots</u>	<u>Date</u>	<u>Reason</u>	<u>Comments</u>	<u>Producing</u>
Wasatch		6554	6559	4	20	04/17/2007		FLUID: Produced Water	Yes
Wasatch		6695	6697	4	8	04/17/2007		FLUID: Produced Water	Yes
Wasatch		6725	6728	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7046	7049	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7135	7137	4	8	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7207	7210	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7250	7252	3	6	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7313	7315	4	8	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7542	7545	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7581	7584	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7624	7629	4	20	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7837	7840	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		7888	7893	4	20	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8014	8018	3	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8298	8300	3	6	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8362	8364	4	8	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8440	8441	4	4	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8498	8501	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8516	8520	4	16	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8703	8706	4	12	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8864	8869	4	20	04/17/2007		FLUID: Produced Water	Yes
MESA VERDE		8873	8876	4	12	04/17/2007		FLUID: Produced Water	Yes

Relevant History:

4/17/2007 – Original completion

9/1/2009 – Well was TA'd

8/23/2010 – TA drilled out and cleaned well to PBTD. Well returned to sales.

4/12/2011 – Pulled tbg and layed down joints. Ran in hole with XN-Nipple with notch end. Ran 2-3/8" tbg and landed at 7994'.

6/1/2011 – Ran in hole with slickline to TD at 8995. Ran 1.9 broach and set down at 8000. Tbg was clean, dropped and chase new spring to bottom.

H2S History:

Production Date	Gas (avg mcf/day)	Water (avg bbl/day)	Oil (avg bbl/day)	LGR (bbl/Mmcf)	Max H2S Seperator (ppm)
6/30/2010	0.00	0.00	0.00	#NA	
7/31/2010	0.00	0.00	0.00	#NA	
8/31/2010	34.03	0.00	0.00	0.00	
9/30/2010	1199.27	20.90	3.10	20.01	
10/31/2010	942.77	34.45	1.13	37.74	10.00
11/30/2010	710.33	27.67	1.00	40.36	
12/31/2010	577.77	21.16	0.94	38.24	15.00
1/31/2011	494.13	16.58	0.77	35.12	13.00
2/28/2011	430.86	16.04	0.46	38.30	12.00
3/31/2011	371.39	11.97	0.48	33.53	
4/30/2011	286.47	13.07	0.23	46.43	
5/31/2011	325.84	15.55	0.52	49.30	4.00
6/30/2011	334.00	19.73	0.50	60.58	18.00
7/31/2011	351.45	27.81	0.48	80.50	31.00
8/31/2011	327.81	27.81	0.32	85.81	7.00
9/30/2011	0.00	0.00	0.00	#NA	8.00

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. If the tubing is below the proposed CBP depth, TOOHS with 2-3/8", 4.7#, J-55 (or N-80) tubing (currently landed at ~7994'). Visually inspect for scale and consider replacing if needed.
3. If tbg looks ok consider running a gauge ring to 6550 (50' below proposed CBP). Otherwise P/U a mill and C/O to 6550 (50' below proposed CBP).
4. Set 8000 psi CBP at ~ 6500'. 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. 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
WASATCH	6266	6268	3	6
WASATCH	6284	6286	3	6
WASATCH	6310	6312	3	6
WASATCH	6462	6464	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 ~6266' and trickle 250gal 15%HCL w/ scale inhibitor in flush .
7. Set 8000 psi CBP at ~6,162'. Perf the following 3-3/8" gun, 23 gm, 0.36"hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5831 | 5832 | 4 | 4 |
| WASATCH | 6073 | 6075 | 3 | 6 |
| WASATCH | 6087 | 6089 | 3 | 6 |
| WASATCH | 6110 | 6112 | 4 | 8 |
8. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 2 on attached listing. Under-displace to ~5831' and trickle 250gal 15%HCL w/ scale inhibitor in flush.
9. Set 8000 psi CBP at ~5,446'. Perf the following with 3-3/8" gun, 23 gm, 0.36" hole:
- | Zone | From | To | spf | # of shots |
|---------|------|------|-----|------------|
| WASATCH | 5313 | 5315 | 4 | 8 |
| WASATCH | 5392 | 5396 | 4 | 16 |
10. Breakdown perfs and establish injection rate. Fracture as outlined in Stage 3 on attached listing. Under-displace to ~5313' and flush only with recycled water.
11. Set 8000 psi CBP at ~5,263'.
12. ND Frac Valves, NU and Test BOPs.
1. TIH with 3 7/8" mill, pump open sub, XN nipple and tubing.
 2. Mill 3 plugs and clean out to a depth of 6475'.
 3. Land tubing at 6240', drop ball and pump open sub. Flow back completion load. RDMO
 4. MIRU, POOH tbg and mill. TIH with POBS and mill.
 5. Mill last plug @ 6500' clean out to PBSD at 9026'. Land tubing at ±7994' pump off bit and bit sub. This well WILL be commingled at this time.
 6. Clean out well with foam and/or swabbing unit until steady flow has been established from completion.
 7. **Leave surface casing valve open.** Monitor and report any flow from surface casing. RDMO

**For design questions, please call
Zachary 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.

Name NBU 922-31K-2TX - Recomplete

Perforation and CBP Summary

Stage	Zones	Perforations		SPF	Holes	Fracture Coverage		
		Top, ft	Bottom, ft					
1	WASATCH	6266	6268	3	6	6260.5	to	6271
	WASATCH	6284	6286	3	6	6280	to	6287.5
	WASATCH	6310	6312	3	6	6307.5	to	6316.5
	WASATCH	6462	6464	3	6	6457	to	6466.5
	# of Perfs/stage				24	CBP DEPTH	6,162	
2	WASATCH	5831	5832	4	4	5817	to	5834.5
	WASATCH	6073	6075	3	6	6067.5	to	6081.5
	WASATCH	6087	6089	3	6	6082.5	to	6090.5
	WASATCH	6110	6112	4	8	6103.5	to	6117
	# of Perfs/stage				24	CBP DEPTH	5,446	
3	WASATCH	5313	5315	4	8	5288.5	to	5344.5
	WASATCH	5392	5396	4	16	5377	to	5415
	# of Perfs/stage				24	CBP DEPTH	5,263	
	Totals				72			

NBU 922-31K-2TX DIRECTIONAL SURVEY					
MD	TVD	E-W	N-S	Incl Deg	Drift Deg
0	0	0.0	0.0	0.0	0.0
100	100	-0.2	0.0	0.3	272.4
200	200	-1.1	0.2	0.8	282.3
300	300	-2.6	0.5	1.0	282.1
400	400	-4.1	0.8	0.8	281.0
500	500	-5.1	1.1	0.5	295.9
600	600	-5.9	1.5	0.5	300.7
700	700	-6.4	2.4	0.8	343.6
800	800	-6.9	3.6	0.8	329.5
900	900	-7.5	4.2	0.3	299.3
1000	1000	-7.7	4.5	0.3	337.2
1100	1100	-7.6	4.7	0.3	94.4
1200	1200	-7.6	4.3	0.5	211.3
1300	1300	-7.4	3.8	0.5	107.4
1400	1400	-6.8	3.1	0.8	161.5
1500	1500	-6.3	1.6	1.0	158.6
1600	1600	-5.4	0.5	0.8	117.7
1700	1700	-4.6	-0.4	0.8	165.8
1800	1800	-4.2	-1.9	1.0	157.9
1900	1900	-3.6	-3.3	0.8	163.0
2000	2000	-3.1	-4.7	1.0	158.7
2100	2100	-2.2	-5.7	0.8	99.8
2200	2200	-1.2	-6.6	1.0	158.9
2300	2300	-0.1	-7.8	1.0	116.0
2400	2400	1.8	-9.2	1.8	134.1
2500	2500	4.2	-11.7	2.3	138.2
2600	2600	7.2	-15.2	3.0	139.3
2700	2700	10.6	-19.2	3.0	139.4
2800	2799	14.5	-23.8	4.0	140.4
2900	2899	18.9	-29.5	4.3	144.5
3000	2999	23.5	-35.9	4.8	143.6
3200	3198	33.0	-50.0	5.0	148.6
3400	3397	43.3	-65.1	5.5	142.7
3600	3596	53.9	-80.5	5.3	148.7
3800	3796	63.5	-95.0	4.8	143.8
4000	3995	72.7	-107.2	4.0	141.9
4200	4194	80.2	-118.9	4.0	153.0
4400	4394	86.7	-131.2	4.0	152.0
4600	4594	93.3	-143.5	4.0	151.1
4800	4793	99.0	-157.1	4.5	163.1
5000	4992	103.7	-172.1	4.5	161.5
5200	5192	108.4	-187.5	4.8	164.5
5400	5391	113.2	-204.7	5.5	164.6
5600	5590	118.6	-224.9	6.5	165.6
5800	5788	124.4	-247.7	7.0	165.7
6000	5987	130.6	-271.3	7.0	164.7
6200	6185	137.2	-296.1	7.8	165.8
6400	6383	143.3	-322.3	7.8	167.8
6600	6581	148.0	-350.2	8.5	172.9
6800	6779	153.1	-380.1	9.0	167.9
7000	6977	157.9	-410.6	8.8	174.1
7200	7174	161.8	-440.3	8.5	171.2
7400	7372	165.6	-468.7	8.0	173.3
7600	7571	168.3	-493.4	6.3	174.5
7800	7770	170.7	-514.2	5.8	172.6
7900	7869	171.9	-524.1	5.8	173.7

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

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

Production Engineer

Brad Laney: 435/781-7031, 435/828-5469

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

Laura M. Wellman: 435/781-9748, 435/322-0118

Completion Supervisor Foreman

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

Completion Manager

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

Vernal Main Office

435-789-3342

Emergency Contact Information—Call 911

Vernal Regional Hospital Emergency: 435-789-3342

Police: (435) 789-5835

Fire: 435-789-4222

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FEB 01 2012

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

DIV. OF OIL, GAS & MINING

AMENDED REPORT FORM 8
(highlight changes)

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTSTML 22935A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL, GAS WELL, DRY, OTHER
b. TYPE OF WORK: NEW WELL, HORIZ. LATS., DEEP-EN, RE-ENTRY, DIFF. RESVR., OTHER RECOMPLETION

7. UNIT or CA AGREEMENT NAME
UTU63047A

8. WELL NAME and NUMBER:
NBU 922-31K-2TX

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

9. API NUMBER:
4304739080

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

PHONE NUMBER:
(720) 929-6304

10 FIELD AND POOL, OR WILDCAT
NATURAL BUTTES

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: NESW 2572 FSL 1425 FWL S31, T9S, R21E

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NESW 31 9S 21E S

AT TOP PRODUCING INTERVAL REPORTED BELOW:

AT TOTAL DEPTH:

12. COUNTY UINTAH 13. STATE UTAH

14. DATE SPUNDED: 2/14/2007 15. DATE T.D. REACHED: 4/5/2007 16. DATE COMPLETED: 12/10/2011
ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):
4840 GL

18. TOTAL DEPTH: MD 9,050 TVD 19. PLUG BACK T.D.: MD 8,980 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

23. WAS WELL CORED? WAS DST RUN? DIRECTIONAL SURVEY?

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

Table with 10 columns: 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

25. TUBING RECORD

Table with 9 columns: SIZE, DEPTH SET (MD), PACKER SET (MD), SIZE, DEPTH SET (MD), PACKER SET (MD), SIZE, DEPTH SET (MD), PACKER SET (MD)

26. PRODUCING INTERVALS

Table with 9 columns: FORMATION NAME, TOP (MD), BOTTOM (MD), TOP (TVD), BOTTOM (TVD), INTERVAL (Top/Bot - MD), SIZE, NO. HOLES, PERFORATION STATUS

27. PERFORATION RECORD

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

Table with 2 columns: DEPTH INTERVAL, AMOUNT AND TYPE OF MATERIAL

29. ENCLOSED ATTACHMENTS:

Form with checkboxes for 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: 12/10/2011		TEST DATE: 12/11/2011		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 15	GAS – MCF: 583	WATER – BBL: 0	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 126	CSG. PRESS. 473	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 15	GAS – MCF: 583	WATER – BBL: 0	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	1,193
				BIRD'S NEST	1,459
				MAHOGANY	1,953
				WASATCH	4,385
				MESAVERDE	7,030

35. 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 1-25, 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 922-31K-2TX

Spud Date: 3/25/2007

Project: UTAH-UINTAH

Site: NBU 922-31K PAD

Rig Name No: ROYAL WELL SERVICE 2/2, MILES
3/3

Event: RECOMPL/RESEREVEADD

Start Date: 11/22/2011

End Date: 12/3/2011

Active Datum: RKB @4,853.99usft (above Mean Sea Level)

UWI: NBU 922-31K-2TX

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/22/2011	11:30 - 13:30	2.00	COMP	30	A	P		ROAD RIG AND EQUIP FROM NBU 922-29LT TO LOC. SPOT AND RUSU. FTP 120, FCP 120. SURFACE CSG OPEN. CONTROL TBG W/ 15 BBLS TMAC. ND WH. NU BOP. RU FLOOR AND TBG EQUIP. CONTROL CSG W/ 15 BBLS TMAC. UNLAND TBG FROM 7994'. LD 4" 10K HANGER.
	13:30 - 17:30	4.00	COMP	31	I	P		POOH W/ 255-JTS J-55 TBG. (SB 188-JTS AND LD 67-JTS), LD XN NIPPLE. NO SCALE ON OR IN TBG. RD FLOOR. ND BOP. NU FRAC VALVES. RU FLOOR. DRAIN EQUIP. SDFN.
11/23/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- EWL. PRES TEST.
	7:15 - 8:45	1.50	COMP	34	I	P		SICP 350. SURFACE CSG OPEN. BWD TO TANK. MIRU CASEDHOLE EWL. RIH W/ 4-1/2" CIBP. SET AT 6505'. POOH.
	8:45 - 16:00	7.25	COMP	33	C	P		FILL HOLE W/ BBLS TMAC. PRES TEST W/ RIG PMP TO 2500#. BLEED OFF. CSG VALVE PUMPING INTO LEAKING. ORDER AND WAIT ON VALVE. REPLACE CSG VALVE ON TBG HEAD. RU B&C QUICK TEST. CS PRES TEST TO 1070# FOR 15 MIN, END AT 952#. LOST 118#. RETEST TO 1070# FOR 15 MIN. END AT 1083#. GAIN 13# PRES TEST TO 3586# FOR 15 MIN, END AT 3594#. GAINED 8#. PRES TEST TO 6244# FOR 30 MIN, END AT 6128#. LOST 116#. RETEST TO 6248# FOR 30 MIN. END AT 6234#. LOST 14#. BLEED OFF PRES AND WINTERIZE FRAC VALVES. SDFWE.
11/28/2011	7:00 - 7:15	0.25	COMP	48		P		JSA- FRAC AND PERF. RIH W/ TBG.
	7:15 - 8:15	1.00	COMP	37	B	P		SICP 0. RU CASEDHOLE SOLUTIONS. RIH W/ 3-1/8" EXP GUN (23 GRN, 40" PENT, .36 EOD, 3 SPF ON 120") AND PERF STG 1 AS PER PROCEDURE.

**US ROCKIES REGION
Operation Summary Report**

Well: NBU 922-31K-2TX

Spud Date: 3/25/2007

Project: UTAH-UINTAH

Site: NBU 922-31K PAD

Rig Name No: ROYAL WELL SERVICE 2/2, MILES
3/3

Event: RECOMPL/RESEREVEADD

Start Date: 11/22/2011

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	8:15 - 16:30	8.25	COMP	36	B	P		SB -MIRU SUPERIOR. AOL 08:00 PRES TEST SURFACE LINES TO 7200 PSI. GOOD. 11:45--STAGE #1- OPEN WELL- SICP 83 PSI. BRK 3768 PSI AT 3.5 BPM, ISIP 1694, FG .70. PMP 100 BBLs SLK WTR, 49.8 BPM @ 3856 PSI = 100% PERFS OPEN. MP 3903, MR 50.5, AP 3677, AR 49.5, FG .74, ISIP 1926, NPI 232. BBLs PMP 791 SLK WTR, 17,617# 30/50 PROP. STG #2- RIH W/ 3-1/8" EXP GUN (23 GR, 40" PENT, .36" EOD, 4 SPF ON 90* AND 3 SPF ON 120*) AND PERF AS PROCEDURE. LOST MOTOR ON SAND MOVER. ABLE TO GET RUNNING, THEN BLOW HOSE. REPLACE HOSE. STG #2- OPEN WELL- SICP 227 PSI. BRK 2495 PSI AT 3.6 BPM, ISIP 1049, FG .61. PMP 80 BBLs PAD THEN LOST MOTOR ON SAND MOVER AGAIN. HAVING TO ROB PARTS OFF PMP STARTERS THEN DO NOT HAVE FITTINGS. SHUT DOWN FOR REPAIRS. JSA- FRAC AND PERF.
11/29/2011	6:45 - 7:00	0.25	COMP	48		P		JSA- FRAC AND PERF.
	7:00 - 10:30	3.50	COMP	36	B	P		PRES TEST LINES 7200. GOOD. OPEN WELL W/ 228#. PMP 88 BBLs PAD. INJ RT 49.9, INJ PRES 4290. HAVE 70% HOLES OPEN. MP 4342, MR 50.8, AP 3689, AR 50.3. ISIP 1216. NPI 167. FG .64. PMP 876 BBLs SLK WTR, AND 20,976# 30/50 PROP. (INCLUDES VOLUME IN THIS STAGE FROM 11/28) STG 3-- RIH W/ 4-1/2" CBP AND 3-1/8" EXP PERF GUN (23 GR, 4" PENT, .36 EOD, 4 SPF ON 90*) SET CBP AT 5426'. PERF AS PER PROCEDURE. STG 3- OPEN WELL W/ 306#. BD 1818 PSI AT 3.6 BPM. ISIP 885 PSI. FG .60. PMP 148 BBL PAD. INJ RT 50.4, INJ PRES 2857. 100% HOLES OPEN. MP 2891, MR 51.1, AP 2228, AR 50.6. ISIP 930, NPI 45, FG .61. PMP 1133 BBLs SLK WTR AND 35,135# 30/50 PROP. CUMM TOTALS PUMPED 2802 BBLs SLK WTR, 73,728# 30/50 PROP SCALE INHIB 342 GAL BIOCIDE 67 GAL RIH W/ 4-1/2" CBP KILL PLUG AND SET AT 5263'. RDMO CASED HOLE AND SUPERIOR.

US ROCKIES REGION
Operation Summary Report

Well: NBU 922-31K-2TX

Spud Date: 3/25/2007

Project: UTAH-UINTAH

Site: NBU 922-31K PAD

Rig Name No: ROYAL WELL SERVICE 2/2, MILES
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Start Date: 11/22/2011

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UWI: NBU 922-31K-2TX

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:00 - 16:30	9.50	REE	30	A	P		RDMO NBU 1022-7C. ROAD RIG TO NBU 922-31K2TX. MIRU - SPOT EQUIP. SICP 700 PSI, SITP 0 PSI. R/U FLOWBACK TANK. BLOW WELL TO F.B.T. NDWH, NU BOPs. L/D TBG HNGR. POOH W/198 JTS TBG. L/D BHA. PU 3 7/8" BIT, POBS & XN NIPPLE. RIH ON 207 JTS 2 3/8" TBG. TAG CIBP @ 6478'. L/D 2 JT. R/D TBG EQUIP. R/U PWR SWWL & PMP. EOT @ 6431'. SWI - SDFN. PREP TO D/O CIBP IN AM. FREEZE PROTECT WH & SURFACE EQUIP
12/9/2011	6:45 - 7:00	0.25	REE	48		P		HSM & JSA W/ROYAL WELL SERVICE
	7:00 - 18:00	11.00	REE	44	C	P		SITP 0 PSI, SICP 100 PSI. EOT @ 6431'. INSTALL STRING FLOAT. WAIT FOR CUDD N2 TO ARRIVE ON LOC. (2 HRS). MIRU CUDD N2. EST CIRC W/N2. C/O 46' SND. D/O CIBP IN 36 MIN. DIFF INC 300 PSI. FCP 300 PSI. HANG BACK PWR SWWL. POOH & REMOVE STRING FLOAT. RIH W/TBG TO 8938'. (BTM PERF @ 8706' - PBD @ 8980'). CIRC WELL CLEAN W/45000 SCF N2. PMP 10 BBLS TO KILL TBG. R/D PWR SWWL. LD 31 JTS ON FLOAT. LND TBG ON HNGR W/254 JTS USED 2 3/8" 4.7# J55 TBG @ 7961.01'. ND BOPs, DROP BALL, NUWH. PMP OFF BIT W/20,000 SCF N2. OUT OF N2. TBG PSI @ 1500 PSI. TIE IN RIG PMP & PMP OFF BIT, 3500 PSI SD. PRESSURE UP TO 3700 PSI, BLEW HOSE. SD, BLOW DWN WELL TO FLOWBACK TANK. R/U HARD LINE TO TBG. PMP OFF BIT @ 3000 PSI. HOOK UP TBG TO PRODUCTION LINE. SWMFN. RD RIG. DRAIN UP SURFACE EQUIP. SDFWE. NOTIFY CDC.

1 General

1.1 Customer Information

Company	US ROCKIES REGION
Representative	
Address	

1.2 Well/Wellbore Information

Well	NBU 922-31K-2TX	Wellbore No.	OH
Well Name	NBU 922-31K-2TX	Wellbore Name	NBU 922-31K-2TX
Report No.	1	Report Date	11/28/2011
Project	UTAH-UINTAH	Site	NBU 922-31K PAD
Rig Name/No.	MILES 3/3	Event	RECOMPL/RESERVEVEADD
Start Date	11/22/2011	End Date	12/3/2011
Spud Date	3/25/2007	Active Datum	RKB @4,853.99usft (above Mean Sea Level)
UWI	NBU 922-31K-2TX		

1.3 General

Contractor	CASEHOLE SOLUTIONS	Job Method	PERFORATE	Supervisor	FRANK WINN
Perforated Assembly	PRODUCTION CASING	Conveyed Method	WIRELINE		

1.4 Initial Conditions

Fluid Type		Fluid Density	8.40 (ppg)
Surface Press	0.00 (psi)	Estimate Res Press	
TVD Fluid Top	0.0 (usft)	Fluid Head	6,464.0 (usft)
Hydrostatic Press	2,820.66 (psi)	Press Difference	2,820.66 (psi)
Balance Cond	OVER BALANCED		

1.5 Summary

Gross Interval	5,313.0 (usft)-6,464.0 (usft)	Start Date/Time	11/28/2011 12:00AM
No. of Intervals	10	End Date/Time	11/29/2011 3:16PM
Total Shots	72	Net Perforation Interval	21.00 (usft)
Avg Shot Density	3.43 (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
11/29/2011 12:00AM	WASATCH/1			5,313.0	5,315.0	4.00		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
11/29/2011 12:00AM	WASATCH/			5,392.0	5,396.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
11/28/2011 12:00AM	WASATCH/			5,831.0	5,832.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
11/28/2011 12:00AM	WASATCH/			6,073.0	6,075.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
11/28/2011 12:00AM	WASATCH/			6,087.0	6,089.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
11/29/2011 3:16PM	WASATCH/			6,110.0	6,112.0	4.00		0.360	EXP/	3.375	90.00		23.00	PRODUCTIO N	
11/28/2011 12:00AM	WASATCH/			6,266.0	6,268.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
11/28/2011 12:00AM	WASATCH/			6,284.0	6,286.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
11/28/2011 12:00AM	WASATCH/			6,310.0	6,312.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	
11/28/2011 12:00AM	WASATCH/			6,462.0	6,464.0	3.00		0.360	EXP/	3.375	120.00		23.00	PRODUCTIO N	

3 Plots