

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

FORM 3

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>		5. MINERAL LEASE NO: <b>ML-22649</b>	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: <b>UNIT #891008900A</b>	
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		9. WELL NAME and NUMBER: <b>NBU 922-32D</b>	
3. ADDRESS OF OPERATOR: <b>1368 S. 1200 E.</b> CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		PHONE NUMBER: <b>(435) 781-7024</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>264'FNL, 778'FWL</b> AT PROPOSED PRODUCING ZONE: _____		<b>630631 X</b> <b>4428570 Y</b>	<b>39.999108</b> <b>- 109.469727</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: <b>23.85 MILES SOUTHEAST OF OURAY, UTAH</b>		12. COUNTY: <b>UINTAH</b>	13. STATE: <b>UTAH</b>
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) <b>264'</b>	16. NUMBER OF ACRES IN LEASE: <b>640.00</b>	17. NUMBER OF ACRES ASSIGNED TO THIS WELL: <b>40.00</b>	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) <b>REFER TO TOPO C</b>	19. PROPOSED DEPTH: <b>9,210</b>	20. BOND DESCRIPTION: <b>RLB0005238</b>	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): <b>4966'GL</b>	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	H-40	32.3#	2,150	265 SX CLASS G	15.6 PPG	1.18 YIELD
7 7/8"	4 1/2	I-80	11.6#	9,210	1880 SX 50/50 POZ	14.3 PPG	1.31 YIELD

**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 4/12/2006

(This space for State use only)

API NUMBER ASSIGNED: 43-047-38002 APPROVAL: \_\_\_\_\_

**RECEIVED**  
**APR 14 2006**  
DIV. OF OIL, GAS & MINING

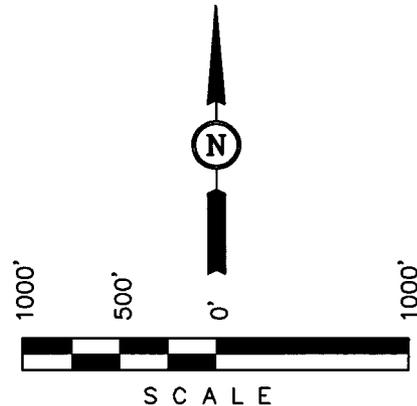
# T9S, R22E, S.L.B.&M.

## KERR McGEE OIL & GAS ONSHORE LP

Well location, NBU #922-32D, located as shown in the NW 1/4 NW 1/4 of Section 32, T9S, R22E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

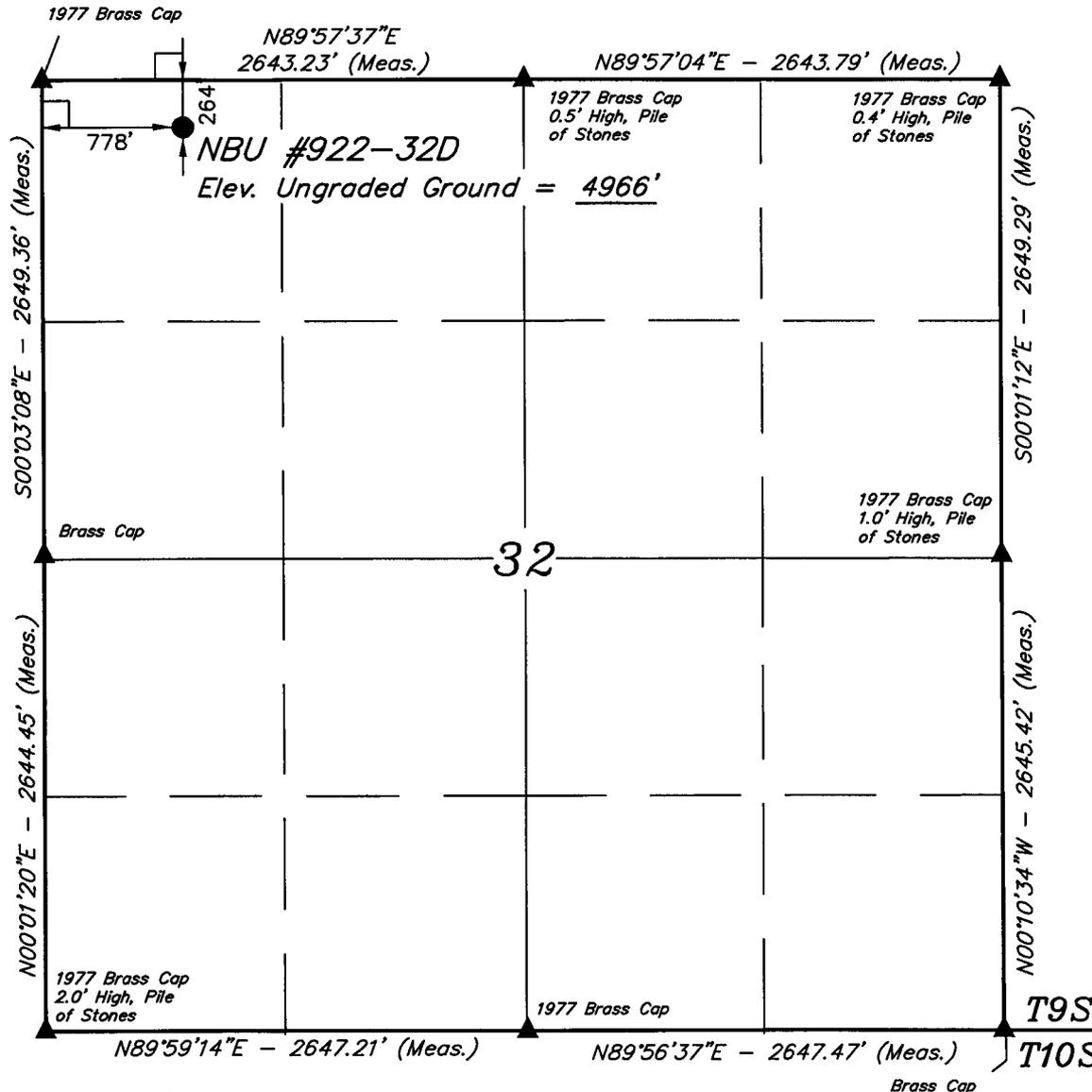
SPOT ELEVATION AT A RIDGE TOP NEAR THE WEST 1/4 CORNER OF SECTION 9, T10S, R22E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5304 FEET.



### CERTIFICATE

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

*John Hay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH



### LEGEND:

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

(NAD 83)  
 LATITUDE = 39°59'56.30" (39.998972)  
 LONGITUDE = 109°28'13.84" (109.470511)  
 (NAD 27)  
 LATITUDE = 39°59'56.43" (39.999008)  
 LONGITUDE = 109°28'11.37" (109.469825)

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

SCALE 1" = 1000'	DATE SURVEYED: 01-18-06	DATE DRAWN: 02-03-06
PARTY P.J. N.F. S.L.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE KERR McGEE OIL & GAS ONSHORE LP	

**NBU 922-32D  
NWNW SEC 32-T9S-R22E  
UINTAH COUNTY, UTAH  
ML-22649**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1408'
Mahogany	2295'
Wasatch	4561'
Mesaverde	7082'
MVU2	7989'
MVL1	8486'
TD	9210'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1408'
	Mahogany	2295'
Gas	Wasatch	4561'
Gas	Mesaverde	7082'
Gas	MVU2	7989'
Gas	MVL1	8486'
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 9210' TD, approximately equals 5710 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3684 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

*Please refer to the attached Drilling Program.*

10. **Other Information:**

*Please refer to the attached Drilling Program.*





**KERR-McGEE OIL & GAS ONSHORE LP  
DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'						
SURFACE	9-5/8"	0 to 2150	32.30	H-40	STC	2270	1370	254000
						0.65*****	1.36	4.18
PRODUCTION	4-1/2"	0 to 9210	11.60	I-80	LTC	7780	6350	201000
						2.23	1.15	2.16

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 = 11.5 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 3481 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 Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	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 Option 2	LEAD	1500	<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b> 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	4,060'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	440	60%	11.00	3.38
	TAIL	5,150'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1440	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.

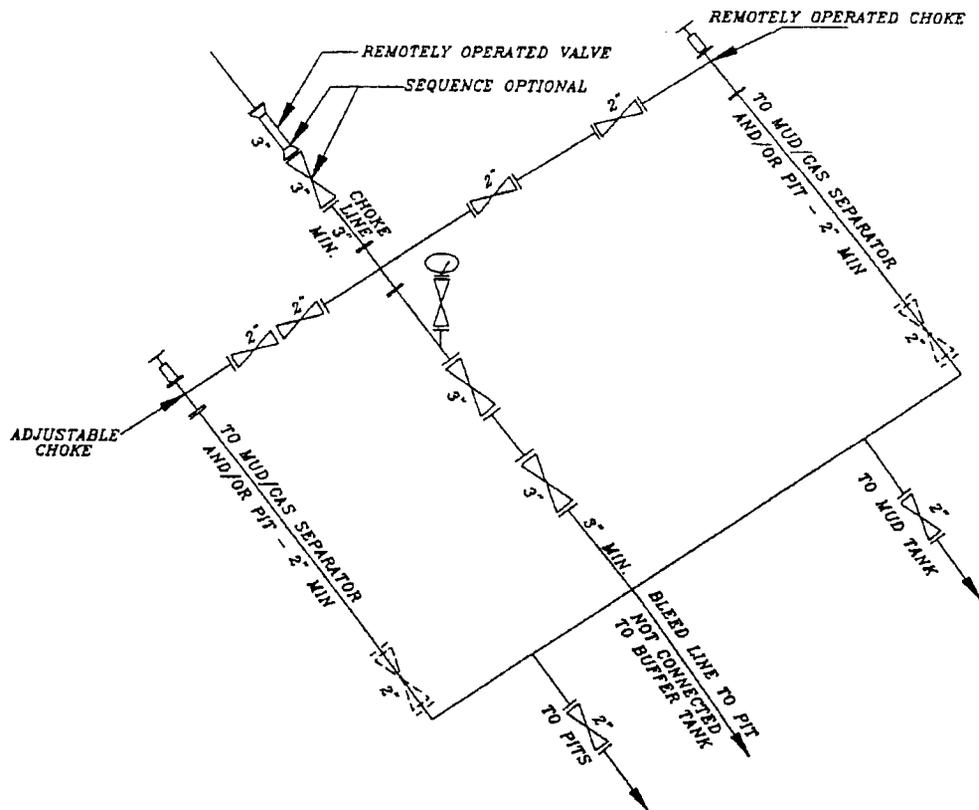
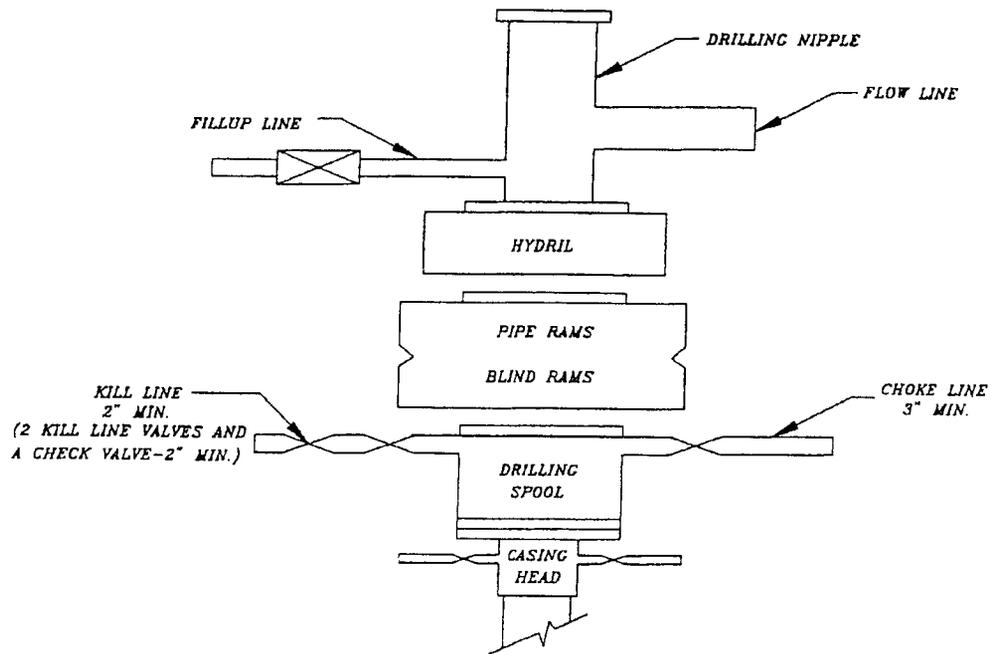
DRILLING ENGINEER: \_\_\_\_\_  
Brad Laney

DATE: \_\_\_\_\_

DRILLING SUPERINTENDENT: \_\_\_\_\_  
Randy Bayne  
NBU922-32D DHD.xls

DATE: \_\_\_\_\_

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



**NBU 922-32D  
NWNW SEC 32-T9S-R22E  
Uintah County, UT  
ML-22649**

**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:**

Approximately 0.15 +/- miles of new 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.

Approximately 30' of pipeline is proposed. Refer to Topo D for the proposed pipeline.

**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 has been completed and is attached.

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

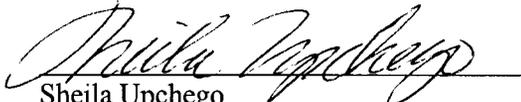
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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 #RLB0005236.

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

4/12/2006

\_\_\_\_\_  
Date

**Kerr-McGee Oil & Gas Onshore LP**  
**NBU #922-32D**  
**SECTION 32, 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 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY, THEN NORTHERLY DIRECTION APPROXIMATELY 2.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN LEFT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHWEST; FOLLOW ROAD FLAGS IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.15 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.85 MILES.

# Kerr-McGee Oil & Gas Onshore LP

## NBU #922-32D

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 32, T9S, R22E, S.L.B.&M.

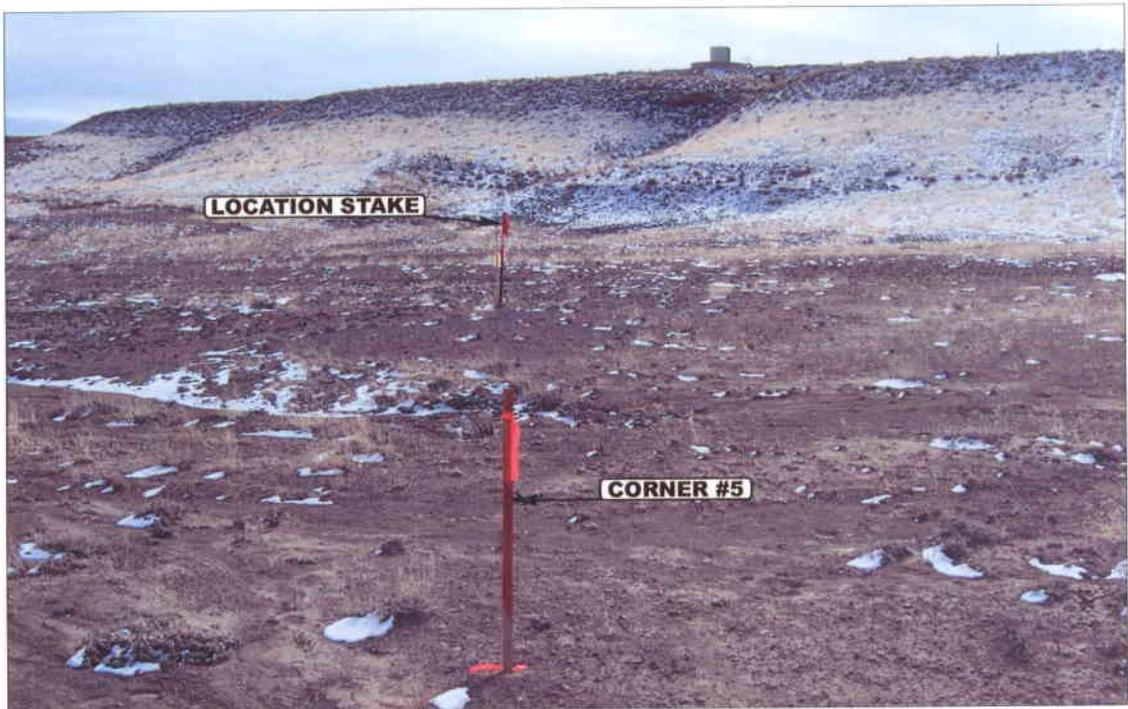


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

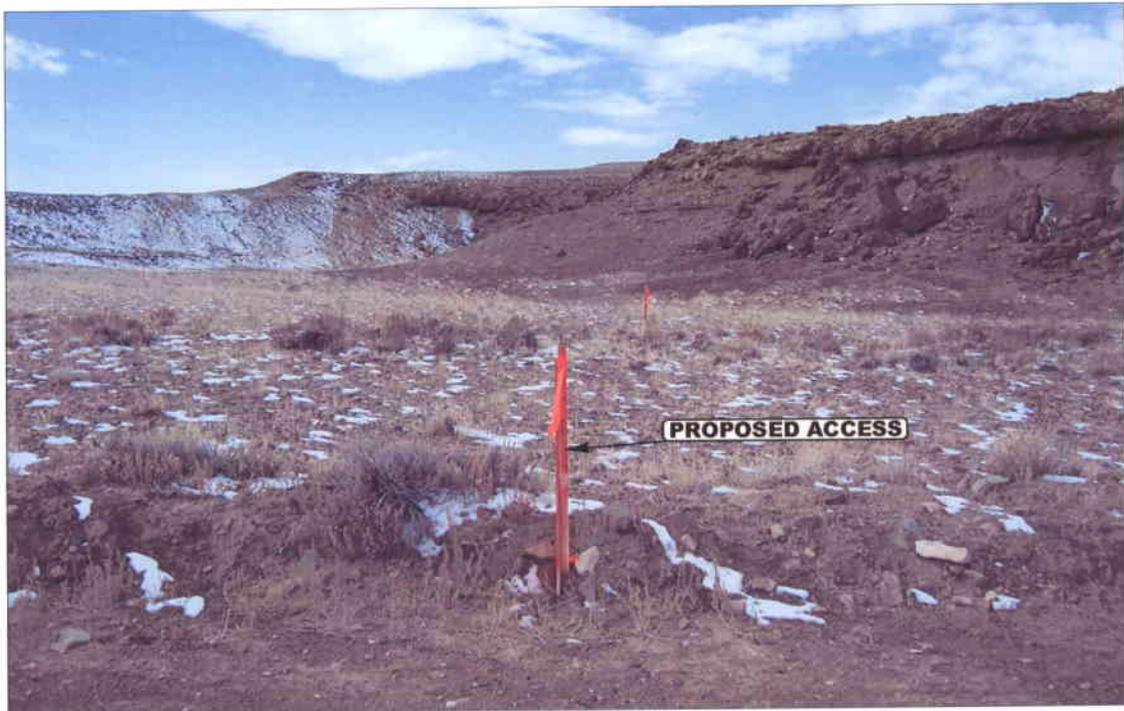


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: WESTERLY



- 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

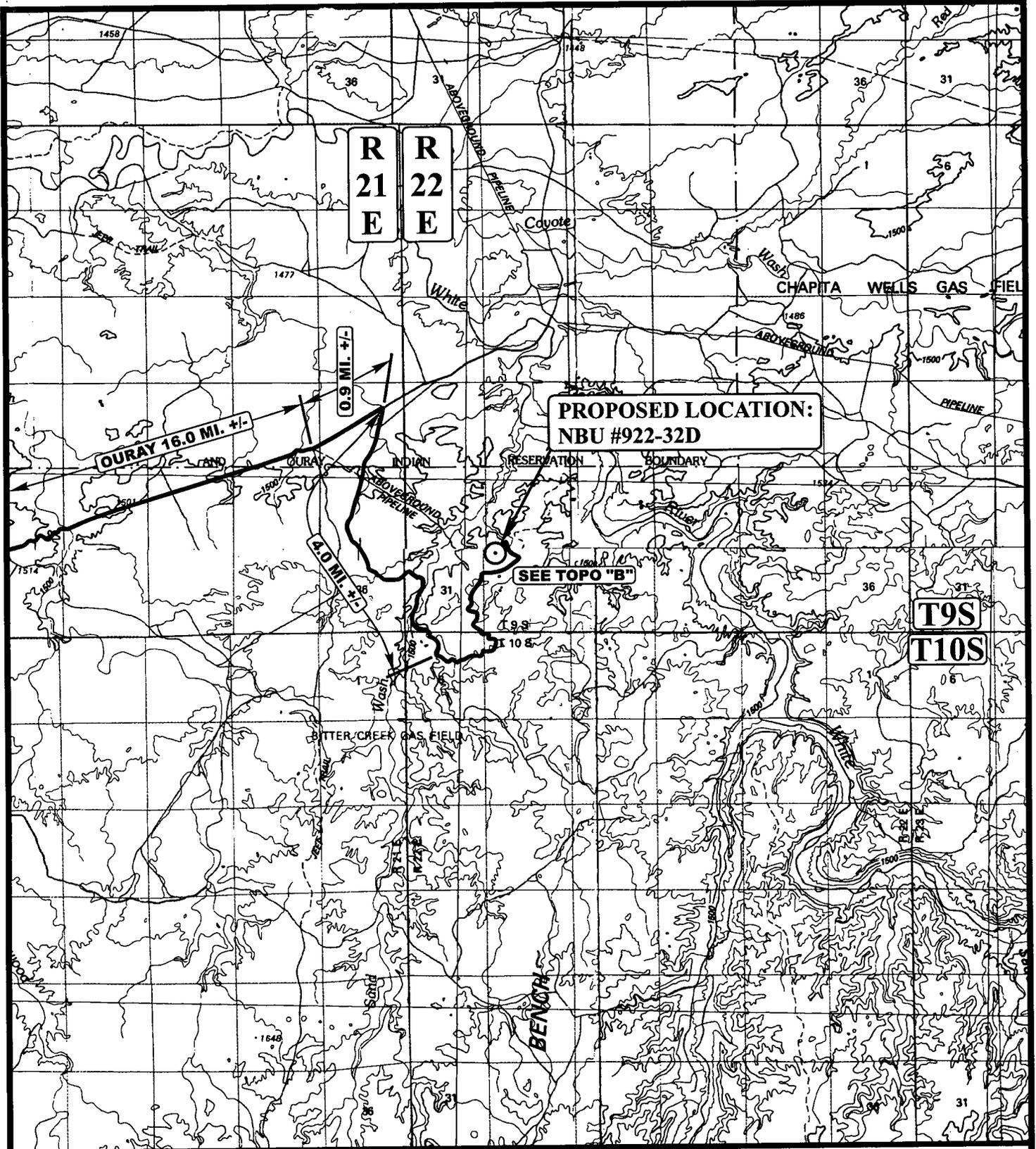
02 07 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: J.R.

DRAWN BY: C.P.

REVISED: 00-00-00



**PROPOSED LOCATION:  
NBU #922-32D**

**SEE TOPO "B"**

**T9S  
T10S**

**LEGEND:**

○ PROPOSED LOCATION



**Kerr-McGee Oil & Gas Onshore LP**

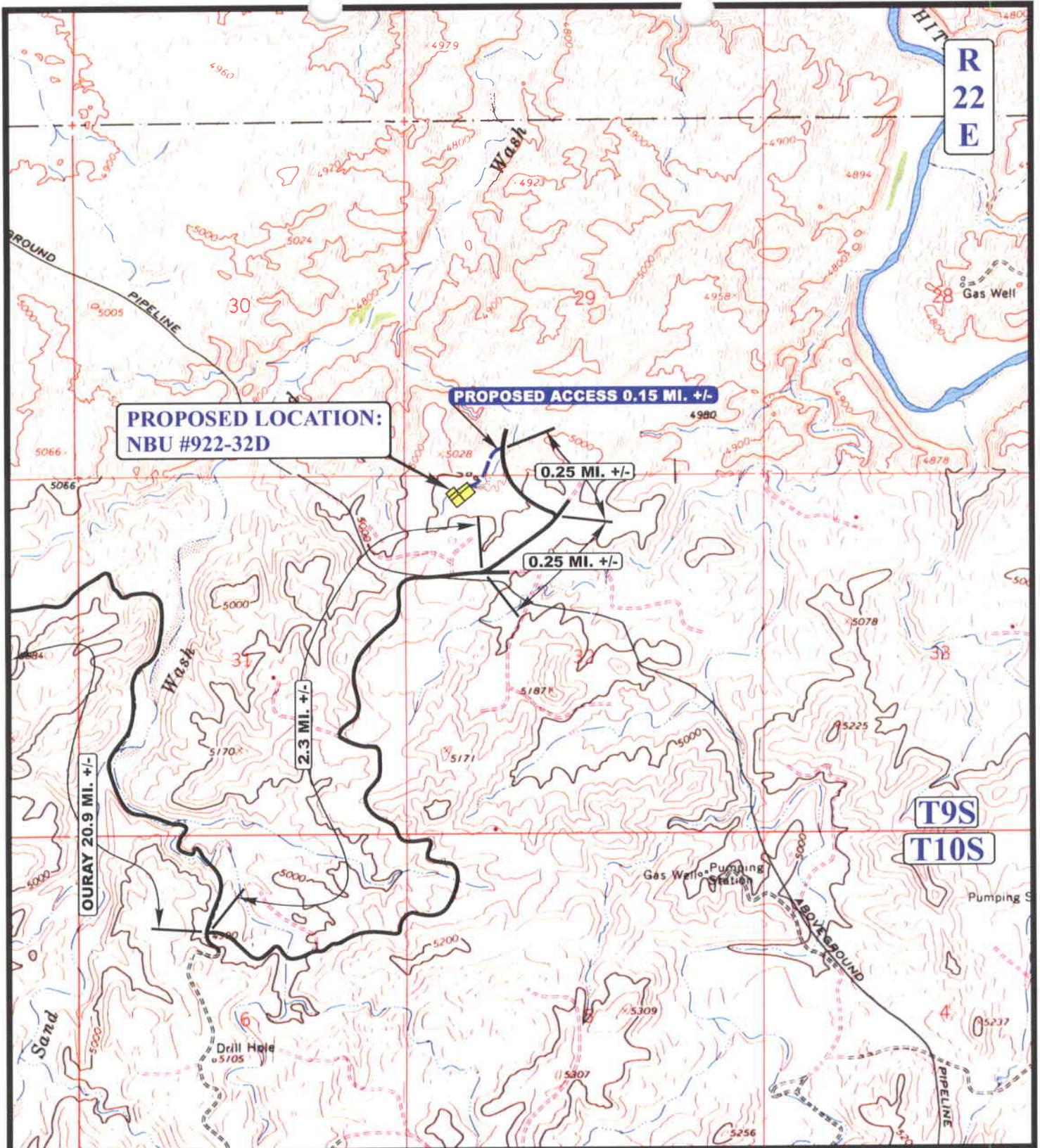
**NBU #922-32D  
SECTION 32, T9S, R22E, S.L.B.&M.  
264' FNL 778' FWL**



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

**TOPOGRAPHIC** 02 07 06  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00





**LEGEND:**

- EXISTING ROAD
- PROPOSED ACCESS ROAD

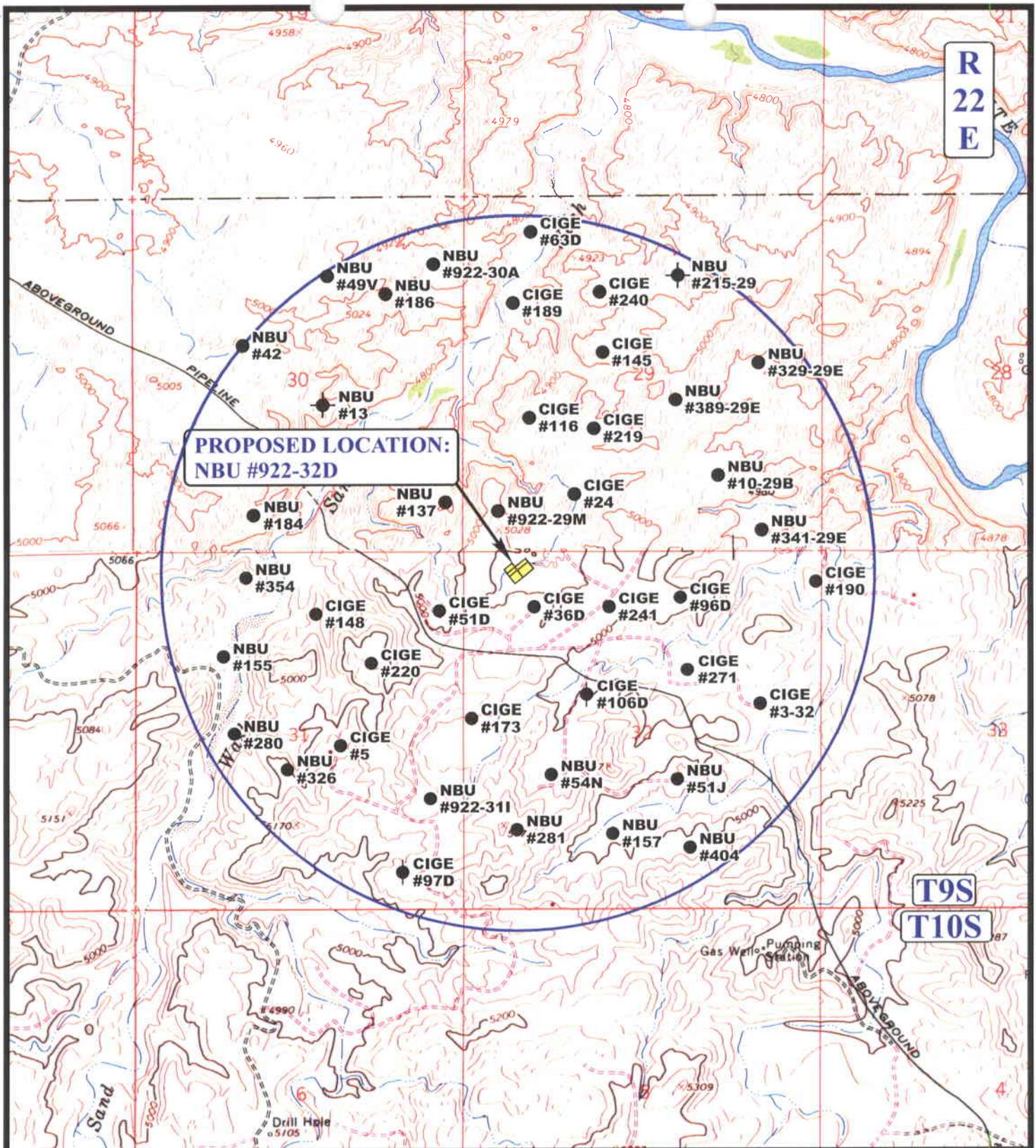


**Kerr-McGee Oil & Gas Onshore LP**

NBU #922-32D  
 SECTION 32, T9S, R22E, S.L.B.&M.  
 264' FNL 778' FWL

**UEIS** Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
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**TOPOGRAPHIC MAP** 02 07 06  
 MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00 **B TOPO**



**PROPOSED LOCATION:  
NBU #922-32D**

**R  
22  
E**

**T9S  
T10S**

**LEGEND:**

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



**Kerr-McGee Oil & Gas Onshore LP**

**NBU #922-32D  
SECTION 32, T9S, R22E, S.L.B.&M.  
264' FNL 778' FWL**



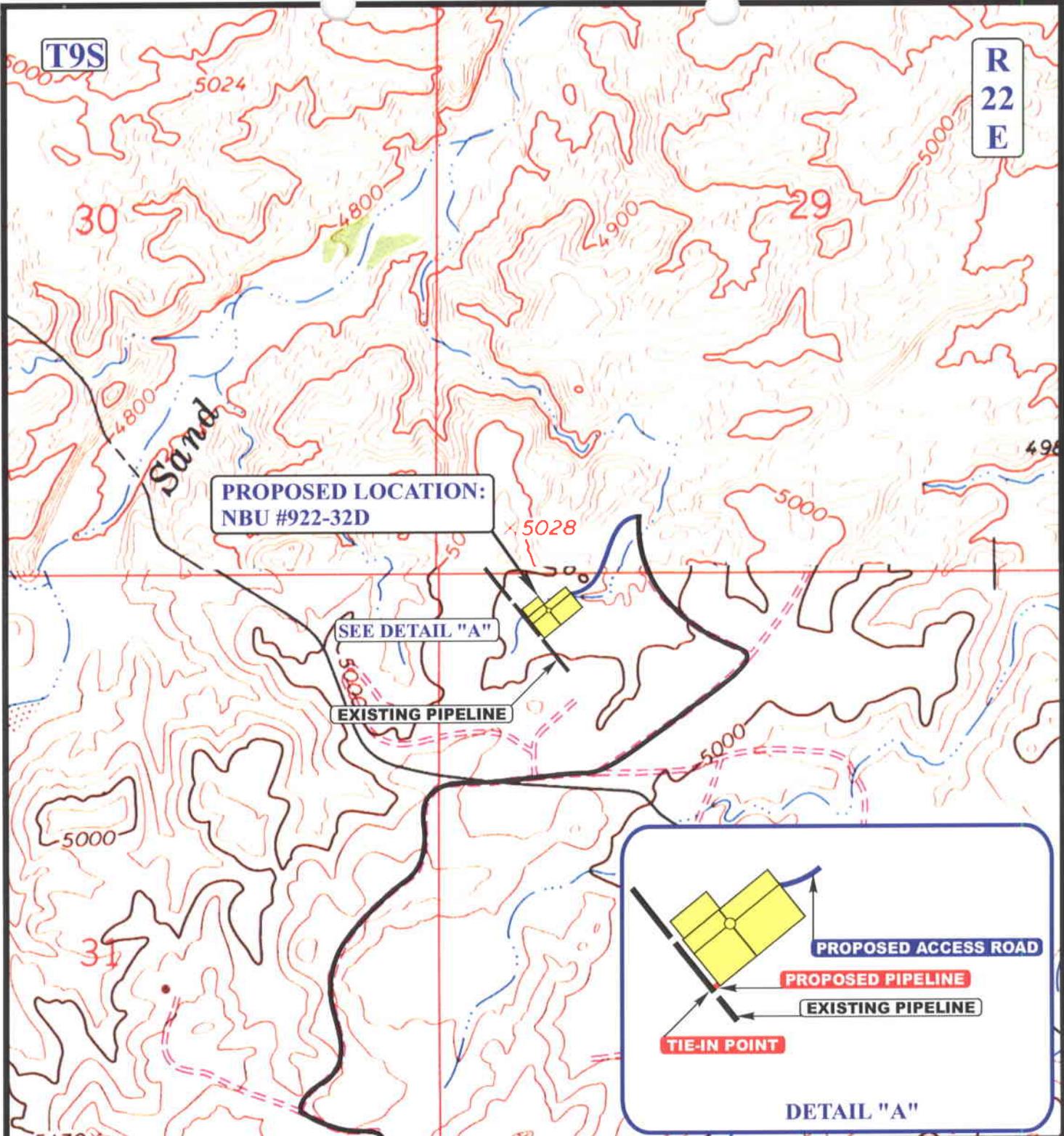
**Utah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC  
MAP**

**02 07 06**  
MONTH DAY YEAR

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





APPROXIMATE TOTAL PIPELINE DISTANCE = 30' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- - - - - PROPOSED PIPELINE



**Kerr-McGee Oil & Gas Onshore LP**

NBU #922-32D

SECTION 32, T9S, R22E, S.L.B.&M.

264' FNL 778' FWL



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

**TOPOGRAPHIC MAP** 02 07 06  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 00-00-00



# Kerr-McGee Oil & Gas Onshore LP

NBU #922-32D

PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 32, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: SOUTHWESTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: SOUTHWESTERLY



- Since 1964 -

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

PIPELINE PHOTOS

02 07 06  
MONTH DAY YEAR

PHOTO

TAKEN BY: J.R.

DRAWN BY: C.P.

REVISED: 00-00-00



TYPICAL CROSS SECTIONS FOR

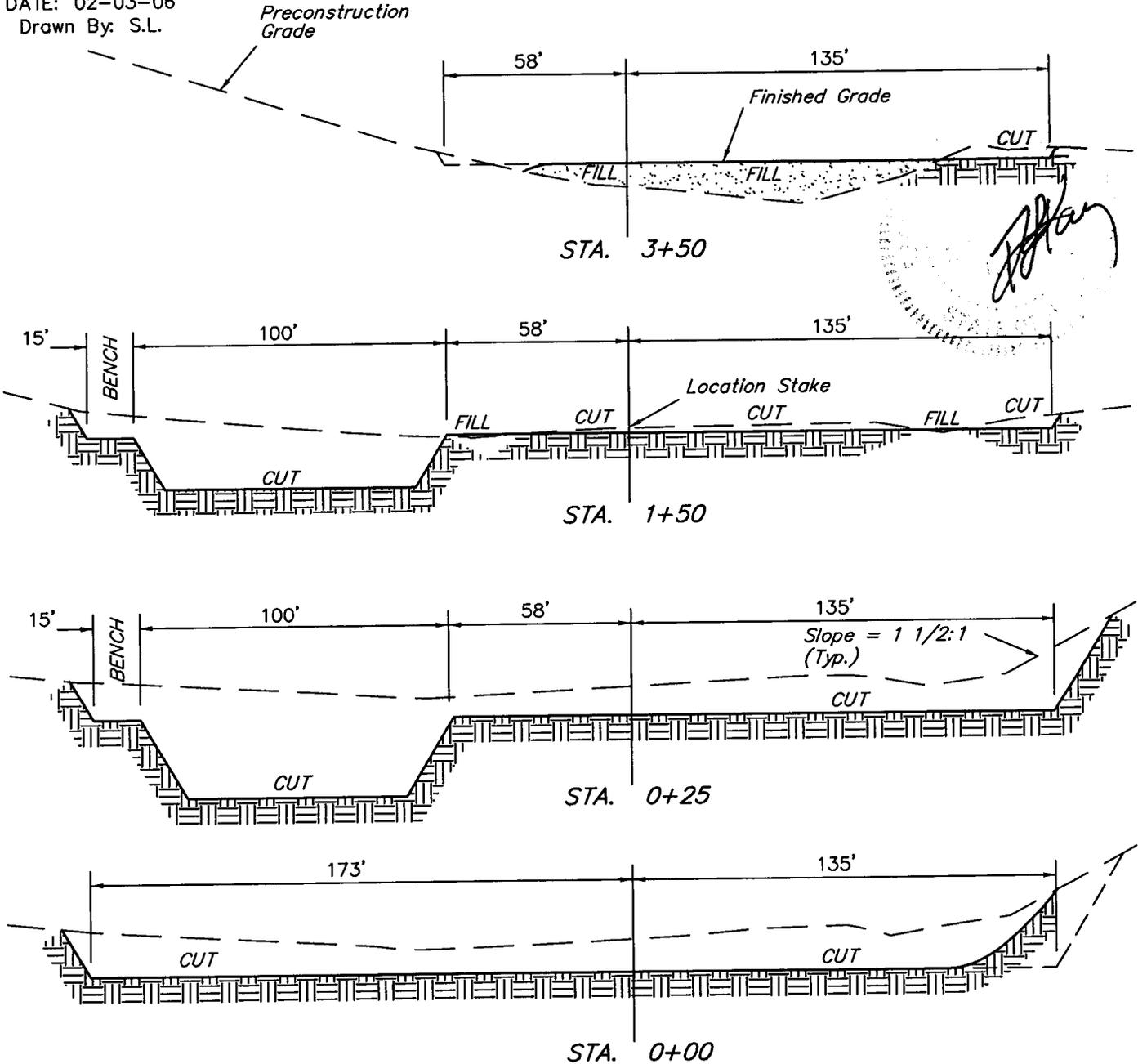
NBU #922-32D

SECTION 32, T9S, R22E, S.L.B.&M.

264' FNL 778' FWL

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

DATE: 02-03-06  
Drawn By: S.L.



NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

\* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,780 Cu. Yds.
Remaining Location	= 8,550 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 10,330 CU.YDS.</b>
<b>FILL</b>	<b>= 2,990 CU.YDS.</b>

EXCESS MATERIAL	= 7,340 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,920 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 3,420 Cu. Yds.

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/14/2006

API NO. ASSIGNED: 43-047-38008
--------------------------------

WELL NAME: NBU 922-32D  
 OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )  
 CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NWNW 32 090S 220E  
 SURFACE: 0264 FNL 0778 FWL  
 BOTTOM: 0264 FNL 0778 FWL  
 COUNTY: UINTAH  
 LATITUDE: 39.99911 LONGITUDE: -109.4697  
 UTM SURF EASTINGS: 630631 NORTHINGS: 4428570  
 FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	5/15/06
Geology		
Surface		

LEASE TYPE: 3 - State  
 LEASE NUMBER: ML-22649  
 SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

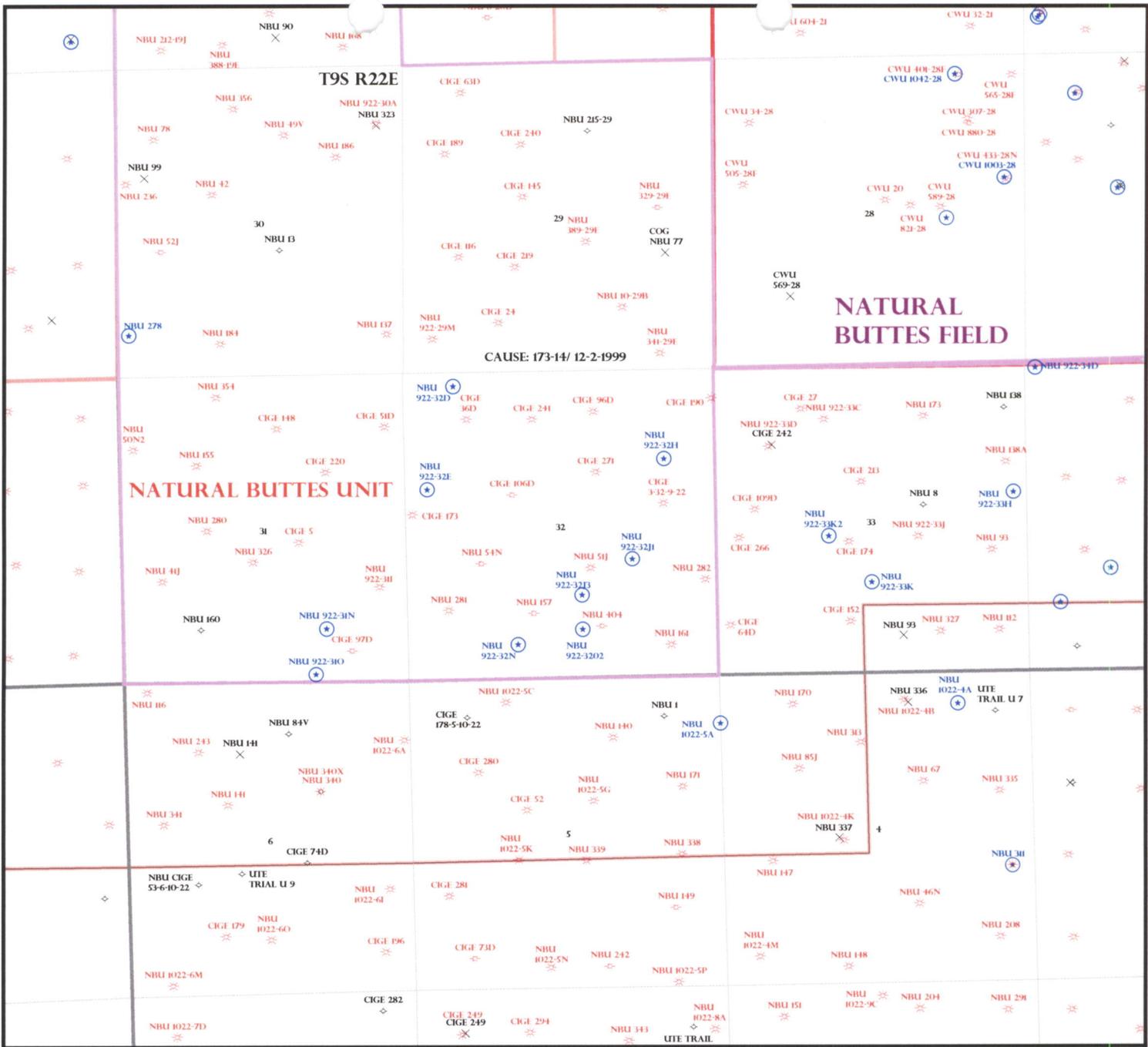
- Plat
- Bond: Fed[] Ind[] Sta[] Fee[]  
(No. RLB0005236 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-8496 )
- RDCC Review (Y/N)  
(Date: \_\_\_\_\_ )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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' fr u bdy / 8' uncom. tracts
- \_\_\_ R649-3-11. Directional Drill

COMMENTS: Needs Prints (24-26-06)

STIPULATIONS: 1- STATEMENT OF BASIS  
2- Oil Shale  
3- Surface Csg Cont stip

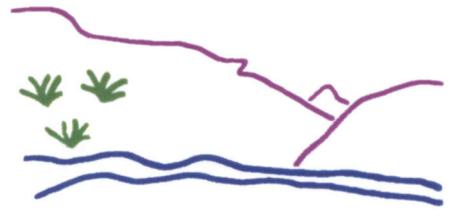


OPERATOR: KERR MCGEE O&G (N2995)  
 SEC: 31,32,33 T. 9S R. 22E  
 FIELD: NATURAL BUTTES (630)  
 COUNTY: UINTAH  
 CAUSE: 173-14/ 12-2-1999

- 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
  - x LOCATION ABANDONED
  - o NEW LOCATION
  - x PLUGGED & ABANDONED
  - \* PRODUCING GAS
  - o PRODUCING OIL
  - \* SHUT-IN GAS
  - o SHUT-IN OIL
  - x TEMP. ABANDONED
  - o TEST WELL
  - \* WATER INJECTION
  - o WATER SUPPLY
  - \* WATER DISPOSAL
  - o DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY  
 DATE: 24-APRIL-2006

**DIVISION OF OIL, GAS AND MINING  
APPLICATION FOR PERMIT TO DRILL  
STATEMENT OF BASIS**

**OPERATOR:** Kerr McGee Oil and Gas Onshore LP  
**WELL NAME & NUMBER:** NBU 922-32D  
**API NUMBER:** 43-047-38008  
**LOCATION:** 1/4,1/4 NW/NW Sec: 32 TWP: 9S RNG: 22E ; 264' FNL 778' FWL

**Geology/Ground Water:**

Kerr McGee proposes to set 2,150' of surface casing at this location. The depth to the base of the moderately saline water at this location is estimated to be at a depth of 3,500'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location . The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. The production casing cement should be brought up above the base of the moderately saline ground water in order to isolate it from fresher waters up hole. The proposed casing and cement should adequately protect. Any usable ground water.

**Reviewer:** Brad Hill **Date:** 05/04/06

**Surface:**

The pre-drill investigation of the surface was performed on April 26, 2006. Ed Bonner and Jim Davis of SITLA and Ben Williams of UDWR were invited to attend the pre-site on April 21, 2006. Mr. Davis attended. Mr. Williams stated he had a previous commitment and would not be able to attend

The site is State Surface and State Mineral. It is located in an isolated basin surrounded on all sides except the northeast by higher ridges with ledgey sandstone outcrops. Three minor drainages intersect the location. The drainages may flow water during high event summer storms or seasonal snowmelt. Constructing a diversion ditch around the location will alleviate possible sedimentation. The proposed location poses no obvious problems for drilling and appears to be the best location for drilling a well in the immediate area.

On other pre-sites in the general area, Mr. Williams of the UDWR has stated that the area is classified as critical yearlong antelope range, however he did not recommend any stipulations, as water is the limiting factor affecting the population not forage. Also no other wildlife were expected to be affected.

**Reviewer:** Floyd Bartlett **Date:** 04/26/2006

**Conditions of Approval/Application for Permit to Drill:**

1. A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
2. Construct diversion ditches around the location.

**ON-SITE PREDRILL EVALUATION**  
**Division of Oil, Gas and Mining**

**OPERATOR:** Kerr McGee Oil and Gas Onshore LP  
**WELL NAME & NUMBER:** NBU 922-32D  
**API NUMBER:** 43-047-38008  
**LEASE:** ML-22649      **FIELD/UNIT:** Natural Buttes  
**LOCATION:** 1/4, 1/4 NW/NW    **Sec:** 32    **TWP:** 9S    **RNG:** 22E ; 264' FNL 778' FWL  
**LEGAL WELL SITING:** 460 Feet from unit boundary and uncommitted tracts.  
**GPS COORD (UTM):** 4420568 Y      0630623 X      **SURFACE OWNER:** State of Utah (SITLA)

**PARTICIPANTS**

Floyd Bartlett (DOGM), Carol Estes, Rich Devot, Shane Bullock and Clay Einerson (Kerr McGee), Luke Kay (Uintah Engineering & Land Survey), Jim Davis (SITLA),

**REGIONAL/SETTING TOPOGRAPHY**

General area is the Sand Wash Drainage of Uintah, County. Sand Wash is approximately 36 air miles south of Vernal, Utah and approximately 24 miles southeast of Ouray, Utah. Access is by State of Utah Highway, Uintah County and oilfield development roads.

Topography is characterized by broad open flats dissected by numerous sub-drainages, which often become steep with ridges and draws with exposed sandstone layers. No perennial streams occur in drainage. Individual draws or washes are ephemeral with spring runoff or flows from sometimes-intense summer rainstorms. White River is to the northeast about 1 1/2 miles. No springs exist in the area. An occasional constructed pond occurs furnishing water for antelope or livestock.

This site is in an isolated basin surrounded on all sides except the northeast by higher ridges with ledgey sandstone outcrops. Two pipelines are located southwest of the location. Three minor drainages intersect the location. The drainages may flow water during high event summer storms or spring snowmelt. The collective drainage is a tributary of Sand Wash. No stabilization problems are likely to occur. Approximately 0.15 miles of new road will be constructed from the existing road.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Sheep grazing, limited hunting and recreation.

PROPOSED SURFACE DISTURBANCE: Location of 350'x 193' and a reserve pit of 150'x 100'x 10 feet deep and an additional 15' wide bench. Approximately 0.15 mile of new road will be required. All material for the location and road will be obtained onsite.

LOCATION OF EXISTING WELLS WITHIN A 1 MILE RADIUS: Numerous. See attached map from GIS database.

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and added after drilling well. A pipeline 30 feet in length will cross overland to the existing pipeline.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be obtained from the site.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST CONCERNS? (EXPLAIN). Unlikely, as the general use in the area is oil-field related with numerous other wells in the surrounding area.

#### **WASTE MANAGEMENT PLAN:**

Drilled cuttings will be settled into reserve pit. Liquids from pit will be allowed to evaporate. Formation water will be confined to storage tanks. Commercial contractor will handle sewage facilities, storage and disposal. Trash will be contained in trash baskets and hauled to an approved landfill.

#### **ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: None.

FLORA/FAUNA: A very sparse cover of desert type vegetation consisting of bud sagebrush, cheatgrass, halogeton, Broom snakeweed, Gardner saltbrush, shadscale, prickly pear, and curly mesquite occupies the site. Antelope, rabbits, small reptiles, birds and mammals. Sheep graze the area in the winter.

SOIL TYPE AND CHARACTERISTICS: Deep sandy loam with angular fractured rock surface. Some sandstone bedrock is exposed on the nearby ridges.

EROSION/SEDIMENTATION/STABILITY: Little natural erosion. Constructing a diversion ditch around the location will alleviate possible sedimentation. Stability is not a problem and location construction shouldn't cause an increase in stability or erosion problems.

PALEONTOLOGICAL POTENTIAL: None observed.

#### **RESERVE PIT**

CHARACTERISTICS: 150' by 100' and 10' deep. The reserve pit is all within cut on the southwest side of the location. A 15' wide bench is planned around the outer edges and 2' of freeboard is provided.

LINER REQUIREMENTS (Site Ranking Form attached): Level 1 sensitivity. A 16 mil liner with a felt pad will be required for the reserve pit. The operator stated that a 20mil liner with double felt sub-pad, as needed

would be installed.

**SURFACE RESTORATION/RECLAMATION PLAN**

As per SITLA requirements.

**SURFACE AGREEMENT:**

As per SITLA requirements.

**CULTURAL RESOURCES/ARCHAEOLOGY:** Site has been surveyed by MOAC on 3-14-2006.  
A copy will be furnished to SITLA.

**OTHER OBSERVATIONS/COMMENTS**

Ben Williams of the UDWR was invited to the pre-site on Friday 4/21/06.  
He was unable to attend because of previous commitments. On other pre-  
sites in the general area he has stated that the area is classified as  
critical yearlong antelope range, however he did not recommend any  
stipulations, as water is the limiting factor affecting the population  
not forage. Also no other wildlife are expected to be affected.

This pre-drill investigation was conducted on a sunny day. ATV's were  
used to access the site.

**ATTACHMENTS**

Photos of this site were taken and placed on file.

FLOYD BARTLETT  
DOGM REPRESENTATIVE

04/26/06; 10:30 AM  
DATE/TIME

**Location Ranking Criteria and Ranking Score  
For Reserve and Onsite Pit Liner Requirements**

<u>Site-Specific Factors</u>	<u>Ranking</u>	<u>Site Ranking</u>
Distance to Groundwater (feet)		
>200	0	
100 to 200	5	
75 to 100	10	
25 to 75	15	
<25 or recharge area	20	<u>0</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	
Distance to Nearest Municipal Well (feet)		
>5280	0	
1320 to 5280	5	
500 to 1320	10	
<500	20	<u>0</u>
Distance to Other Wells (feet)		
>1320	0	
300 to 1320	10	
<300	20	<u>10</u>
Native Soil Type		
Low permeability	0	
Mod. permeability	10	
High permeability	20	<u>10</u>
Fluid Type		
Air/mist	0	
Fresh Water	5	
TDS >5000 and <10000	10	
TDS >10000 or Oil Base Mud Fluid	15	
containing significant levels of hazardous constituents	20	<u>5</u>
Drill Cuttings		
Normal Rock	0	
Salt or detrimental	10	<u>0</u>
Annual Precipitation (inches)		
<10	0	
10 to 20	5	
>20	10	<u>0</u>
Affected Populations		
<10	0	
10 to 30	6	
30 to 50	8	
>50	10	<u>0</u>
Presence of Nearby Utility Conduits		
Not Present	0	
Unknown	10	
Present	15	<u>0</u>

**Final Score**            25            (Level I Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.

Sensitivity Level I = 15-19; lining is discretionary.

Sensitivity Level II = below 15; no specific lining is required.

# 05-06 Kerr McGee NBU 92L 32D

## Casing Schematic

Uinta

Surface

9-5/8"  
MW 8.4  
Frac 19.3

TOC @  
0.

TOC @  
0.

1408 Green River

1615  
TOC Tail

✓ w/ 5% Washout  
\* Surface Strip

Surface  
2150. MD

BHP

$$(.052)(9210)(11.5) = 5507$$

Anticipate - 3684

G<sub>10</sub>

$$(12)(9210) = 1105$$

MASP = 4402

BOPE - 5,000 ✓

Surf esg - 2270

70% = 1589

Mat pressure @ Surf esg shoe = 3954

Test to 1589# (propose 1500) ✓

✓ Absorbed 5/15/06

3500 Bmsw

3978  
TOC Tail

✓ w/ 18% Washout

4561 celosatch

7082 Mesaverde

4-1/2"  
MW 11.5

Production  
9210. MD

Well name:

**05-06 Kerr McGee NBU 922-32D**

Operator: **Kerr McGee**

String type: **Surface**

Project ID:

43-047-38008

Location: **Uintah County**

**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: 105 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: **Surface**

**Burst**

Max anticipated surface pressure: 1,892 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 2,150 psi

No backup mud specified.

**Tension:**

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

Tension is based on buoyed weight.  
Neutral point: 1,885 ft

Non-directional string.

**Re subsequent strings:**

Next setting depth: 9,210 ft  
Next mud weight: 11.500 ppg  
Next setting BHP: 5,502 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 2,150 ft  
Injection pressure 2,150 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	2150	9.625	32.30	H-40	ST&C	2150	2150	8.876	136.3
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	938	1370	1.460	2150	2270	1.06	61	254	4.17 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: May 5, 2006  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 2150 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.*

Well name:	<b>05-06 Kerr McGee NBU 922-32D</b>	
Operator:	<b>Kerr McGee</b>	Project ID:
String type:	Production	43-047-38008
Location:	Uintah County	

**Design parameters:**

**Collapse**  
Mud weight: 11.500 ppg  
Design is based on evacuated pipe.

**Minimum design factors:**

**Collapse:**  
Design factor 1.125

**Environment:**

H2S considered? No  
Surface temperature: 75 °F  
Bottom hole temperature: 204 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

**Burst:**  
Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 2,312 psi  
Internal gradient: 0.346 psi/ft  
Calculated BHP 5,502 psi

**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.

No backup mud specified.

Tension is based on buoyed weight.  
Neutral point: 7,627 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	9210	4.5	11.60	N-80	LT&C	9210	9210	3.875	213.5
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	5502	6350	1.154	5502	7780	1.41	88	223	2.52 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & Mining

Phone: 801-538-5280  
FAX: 801-359-3940

Date: May 5, 2006  
Salt Lake City, Utah

Remarks:  
Collapse is based on a vertical depth of 9210 ft, a mud weight of 11.5 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*

May 16, 2006

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

Re: Natural Buttes Unit 922-32D Well, 264' FNL, 778' FWL, NW NW, Sec. 32,  
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 43-047-38008.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

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

**Operator:** Kerr-McGee Oil & Gas Onshore LP  
**Well Name & Number** Natural Buttes Unit 922-32D  
**API Number:** 43-047-38008  
**Lease:** ML-22649

**Location:** NW NW                      **Sec.** 32                      **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 actions during drilling of this well:

- 24 hours prior to cementing or testing casing
- 24 hours prior to testing blowout prevention equipment
- 24 hours prior to spudding the well
- within 24 hours of any emergency changes made to the approved drilling program
- prior to commencing operations to plug and abandon the well

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

- Dan Jarvis at (801) 538-5338
- Carol Daniels at (801) 538-5284 (spud)

3. **Reporting Requirements**

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

4. Compliance with the State of Utah Antiquities Act forbids disturbance of archeological, historical, or paleontological remains. Should archeological, historical or paleontological remains be encountered during your operations, you are required to immediately suspend all operations and immediately inform the Trust Lands Administration and the Division of State History of the discovery of such remains.

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

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



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

## KERR McGEE OIL & GAS ONSHORE LP

Well location, NBU #922-32D, located as shown in the NW 1/4 NW 1/4 of Section 32, T9S, R22E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

SPOT ELEVATION AT A RIDGE TOP NEAR THE WEST 1/4 CORNER OF SECTION 9, T10S, R22E, S.L.B.&M. TAKEN FROM THE ARCHY BENCH 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 5304 FEET.

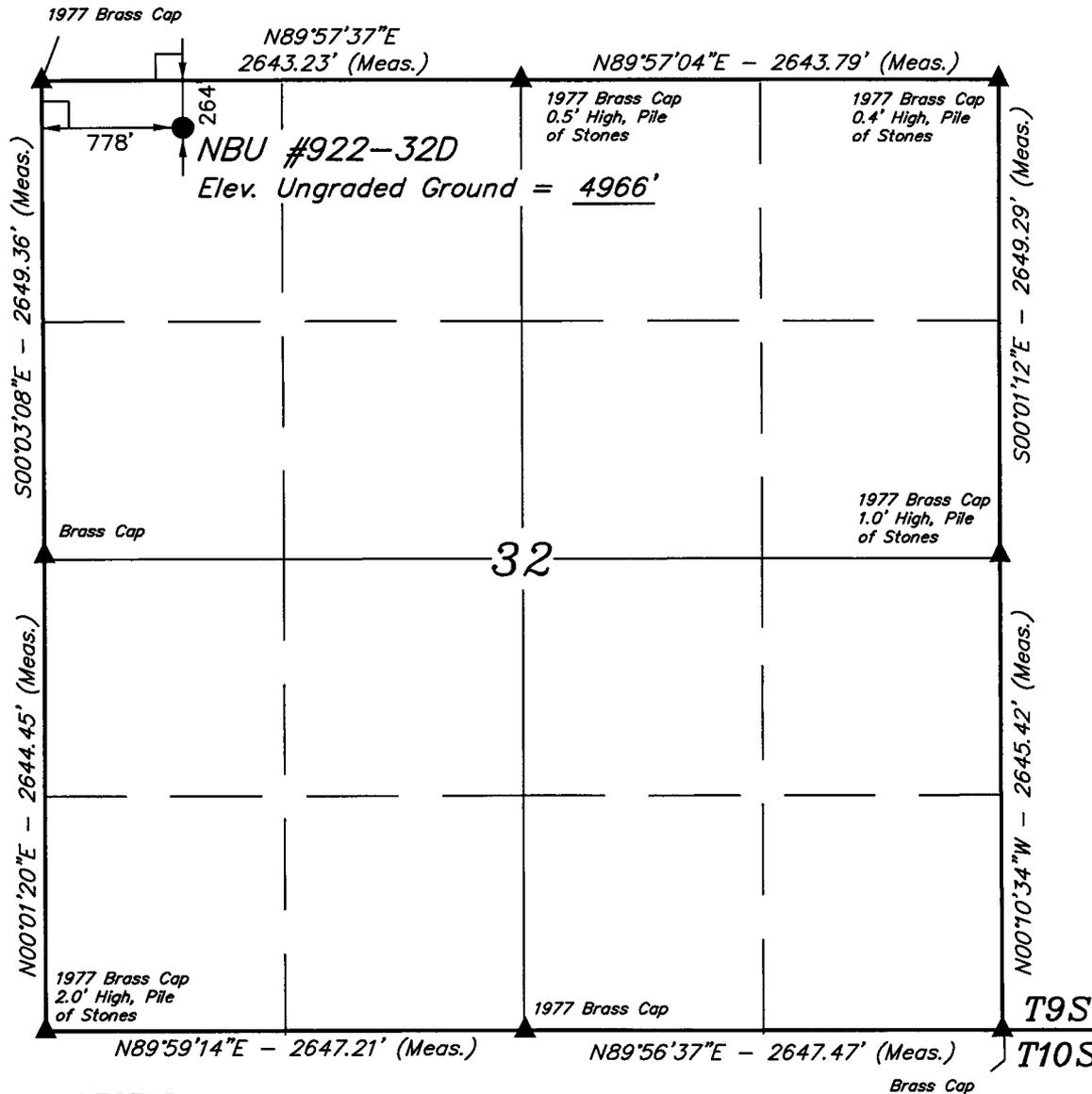


SCALE

### CERTIFICATE

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

*Robert H. Hay*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH



### LEGEND:

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

(NAD 83)  
 LATITUDE = 39°59'56.30" (39.998972)  
 LONGITUDE = 109°28'13.84" (109.470511)  
 (NAD 27)  
 LATITUDE = 39°59'56.43" (39.999008)  
 LONGITUDE = 109°28'11.37" (109.469825)

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

SCALE 1" = 1000'	DATE SURVEYED: 01-18-06	DATE DRAWN: 02-03-06
PARTY P.J. N.F. S.L.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE KERR McGEE OIL & GAS ONSHORE LP	

# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

April 24, 2006

### Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2006 Plan of Development Natural Buttes Unit Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2006 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-38005	NBU 922-31O	Sec 31 T09S R22E 0135 FSL 1638 FEL
43-047-38006	NBU 922-32E	Sec 32 T09S R22E 2022 FNL 0305 FWL
43-047-38007	NBU 922-32H	Sec 32 T09S R22E 1555 FNL 0951 FEL
43-047-38008	NBU 922-32D	Sec 32 T09S R22E 0264 FNL 0778 FWL
43-047-38009	NBU 922-32J3	Sec 32 T09S R22E 1434 FSL 2382 FEL
43-047-38010	NBU 922-32O2	Sec 32 T09S R22E 0844 FSL 2377 FEL
43-047-38011	NBU 922-32J1	Sec 32 T09S R22E 2044 FSL 1513 FEL
43-047-38002	NBU 922-33K2	Sec 33 T09S R22E 2383 FSL 1837 FWL
43-047-38003	NBU 922-33K	Sec 33 T09S R22E 1586 FSL 2553 FWL
43-047-38004	NBU 922-33H	Sec 33 T09S R22E 2222 FNL 0283 FEL

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

/s/ Michael L. Coulthard

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

# DIVISION OF OIL, GAS AND MINING

## **SPUDDING INFORMATION**

Name of Company: KERR-McGEE OIL & GAS ONSHORE LP

Well Name: NBU 922-32D

Api No: 43-047-38008 Lease Type: STATE

Section 32 Township 09S Range 22E County UINTAH

Drilling Contractor PETE MARTIN RIG # BUCKET

### **SPUDDED:**

Date 08/13/06

Time 2:00 PM

How DRY

**Drilling will Commence:** \_\_\_\_\_

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 08/14/06 Signed CHD

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

FORM 6

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738008	NBU 922-32D		NWNW	32	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	8/13/2006		8/17/06		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>W57MVD</u> SPUD WELL LOCATION ON 08/13/2006 AT 1400 HRS.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304738006	NBU 922-32E		SWNW	32	9S	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	8/13/2006		8/17/06		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>W57MVD</u> SPUD WELL LOCATION ON 08/13/2006 AT 0930 HRS.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304737214	BONANZA 1023-6F		SEnw	6	10S	23E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
A	99999	15576	8/12/2006		8/17/06		
Comments: MIRU PETE MARTIN BUCKET RIG. <u>W57MVD</u> SPUD WELL LOCATION ON 08/12/2006 AT 0830 HRS.							

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)

(5/2000) To: EARLENE RUSSELL From: SHEILA UPCHEGO  
Co./Dept: UTDOGIM Co.: KERR  
Phone # (801) 638-5330 Phone # (435) 781-7024  
Fax # (801) 359-3940 Fax # (435) 781-7094

SHEILA UPCHEGO

Name (Please Print)  
[Signature]  
Signature  
REGULATORY ANALYST 8/15/2006  
Title Date

AUG 15 2006

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-22649**

**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 922-32D**

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

9. API NUMBER:  
**4304738008**

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: **264'FNL, 778'FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW 32 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: <b>WELL SPUD</b>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

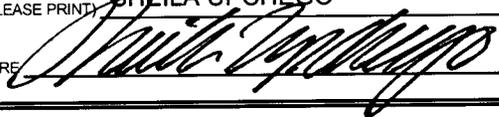
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

**MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.**

**SPUD WELL LOCATION ON 08/13/2006 AT 1400 HRS**

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **REGULATORY ANALYST**

SIGNATURE 

DATE **8/15/2006**

(This space for State use only)

**AUG 17 2006**

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-22649</b>
		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 <b>UNIT #891008900A</b>
		8. WELL NAME and NUMBER: <b>NBU 922-32D</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		9. API NUMBER: <b>4304738008</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		10. FIELD AND POOL, OR WILDCAT <b>NATURAL BUTTES</b>
3. ADDRESS OF OPERATOR: <b>1368 SOUTH 1200 EAST</b> CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		PHONE NUMBER: <b>(435) 781-7024</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>264'FNL, 778'FWL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NWNW 32 9S, 22E</b>		STATE: <b>UTAH</b>

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 <b>SET SURFACE CSG</b>
	<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 09/13/2006. DRILLED 12 1/4" SURFACE HOLE TO 2570'. RAN 9 5/8" 53 JTS OF 32 3# H-40 AND 10 JTS OF 36# J-55 SURFACE CSG. LEAD CMT W/230 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. RAN 200' OF 1" PIPE. CMT W/100 SX CLASS G @15.8 PPG 1.15 YIELD DOWN 1" PIPE NO CMT TO SURFACE. 2ND TOP OUT W/150 SX CLASS G @15.8 PPG 1.15 YIELD. CMT TO SURFACE.

WORT.

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>REGULATORY ANALYST</b>
SIGNATURE	DATE <b>9/20/2006</b>

(This space for State use only)

**OCT 11 2006**

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-22649**

**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 922-32D**

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

9. API NUMBER:  
**4304738008**

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: **264'FNL, 778'FWL**

COUNTY: **UINTAH**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW 32 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: <b>FINAL DRILLING OPERATIONS</b>
	<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 2570' TO 9300' ON 11/13/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/445 SX PREM LITE II @11.6 PPG 2.73 YIELD. TAILED CMT W/1100 SX 50/50 POZ @14.3 PPG 1.31 YIELD. NDBOP SET CSG SLIPS CLEAN MUD TANKS.**

**RELEASED PIONEER RIG 52 ON 11/15/2006 AT 0030 HRS.**

NAME (PLEASE PRINT) SHEILA UPCHEGO      TITLE SENIOR LAND ADMIN SPECIALIST  
SIGNATURE *Sheila Upchego*      DATE 11/17/2006

(This space for State use only)

**RECEIVED**  
**NOV 20 2006**  
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:  
**ML-22649**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

8. WELL NAME and NUMBER:  
**NBU 922-32D**

9. API NUMBER:  
**4304738008**

10. FIELD AND POOL, OR WILDCAT:  
**NATURAL BUTTES**

**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.

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: **264'FNL, 778'FWL**      COUNTY: **UINTAH**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW 32 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: <b>PRODUCTION START-UP</b>
	<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 12/10/2006 AT 3:05 PM.**  
**PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.**

**RECEIVED**  
**DEC 26 2006**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) **SHEILA UPCHEGO**      TITLE **SENIOR LAND ADMIN SPECIALIST**  
SIGNATURE       DATE **12/20/2006**

(This space for State use only)



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

**CHRONOLOGICAL WELL HISTORY**

**RECEIVED**

**DEC 26 2006**

DIV. OF OIL, GAS & MINING

**NBU 922-32D**  
 NWNW, SEC. 32, T9S, R22E  
 UINTAH COUNTY, UT  
 TD: 9300'  
 PBTD:  
 PERFS:  
 EOT:

SPUD	Activity	Status
07/25/06	Building Location, 30% Complete	Pioneer 52
07/26/06	Building Location, 45% Complete	Pioneer 52
07/27/06	Building Location, 55% Complete	Pioneer 52
07/28/06	Building Location, 60% Complete	Pioneer 52
07/31/06	Building Location, 60% Complete	Pioneer 52 DRLG
08/01/06	Building Location, 60% Complete	Pioneer 52
08/02/06	Building Location, 60% Complete	Pioneer 52
08/03/06	Building Location, 60% Complete	Pioneer 52
08/04/06	Building Location, 60% Complete	Pioneer 52
08/07/06	Building Location, 60% Complete	Pioneer 52
08/08/06	Building Location, 75% Complete	Pioneer 52
08/09/06	Building Location, 95% Complete	Pioneer 52
08/10/06	Building Location, 95% Complete	Pioneer 52
08/11/06	Building Location, 95% Complete	Pioneer 52
08/14/06	Location Complete Set Conductor Spud, WOAR	Pioneer 52
08/15/06	AIR RIG SPUD, DRLG	Pioneer 52
10/03/06	2550' @ 9 5/8 WORT	Pioneer 52

11/01/06	TD: 2570'	Csg. 9 5/8" @ 2551'	MW: 8.4	SD: 11/XX/06	DSS: 0
	Move rig f/ NBU 922-32K2. 90% moved and 15% rigged up @ report time.				
11/02/06	TD: 2570'	Csg. 9 5/8" @ 2551'	MW: 8.4	SD: 11/XX/06	DSS: 0
	Finish move and continue rig up. 100% moved and 50% rigged up @ report time.				
11/03/06	TD: 2570'	Csg. 9 5/8" @ 2551'	MW: 8.4	SD: 11/XX/06	DSS: 0
	Finish rig up. Prep to NU and test BOPE @ report time.				
11/06/06	TD: 5641'	Csg. 9 5/8" @ 2551'	MW: 9.1	SD: 11/04/06	DSS: 3
	Finish NU and test BOPE. PU BHA and DP. Drill cmt and FE. Drill f/ 2570'-5641'. Hole seeping f/ 5200'-5400'. DA @ report time.				
11/07/06	TD: 6557'	Csg. 9 5/8" @ 2551'	MW: 9.5	SD: 11/04/06	DSS: 4
	Drill from 5641'-6557'. Lost 300 bbls mud to formation last 24 hrs. DA @ report time.				
11/08/06	TD: 7053'	Csg. 9 5/8" @ 2551'	MW: 9.6	SD: 11/04/06	DSS: 5
	Drill from 6557'-7053'. Pump slug and TFNB @ report time.				
11/09/06	TD: 7720'	Csg. 9 5/8" @ 2551'	MW: 10.0	SD: 11/04/06	DSS: 6
	Finish TFNB. Drill from 7053'-7720'. DA @ report time.				
11/10/06	TD: 8317'	Csg. 9 5/8" @ 2551'	MW: 11.0	SD: 11/04/06	DSS: 7
	Drill from 7720'-8317'. Pump slug and TFNB @ report time.				
11/13/06	TD: 9300'	Csg. 9 5/8" @ 2551'	MW: 12.2	SD: 11/04/06	DSS: 10
	Finish TFNB. Drill from 8317'-8698'. TFNB. Drill to 9300' TD. CCH and short trip to top of Wasatch. CCH for logs. POOH and run Triple Combo @ report time.				
11/14/06	TD: 9300'	Csg. 9 5/8" @ 2551'	MW: 12.2	SD: 11/04/06	DSS: 11
	Run Triple Combo. TIH with drill string and CCH for casing. Lay down drill string. RU and run 4 1/2" Production Casing @ report time.				
11/15/06	TD: 9300'	Csg. 9 5/8" @ 2551'	MW: 12.2	SD: 11/04/06	DSS: 12
	Run and cement 4 1/2" Production Casing. Set slips and release rig @ 0030 hrs 11/15/06. RDRT @ report time.				
11/30/06	<b>RUN TUBING</b>				
	Days On Completion: 1				
	Remarks: ROAD RIG & EQUIP F/ CIGE 152 TO LOC. MIRU. NDWH, NUBOPE. PREP & TALLY 202 JTS 2 3/8" L-80 8RD TBG. P/U 3 7/8" MILL, BIT SUB & RIH P/U TBG OFF TRAILER. EOT @ 6250'.				
12/01/06	<b>RIH &amp; C/O FILL</b>				
	Days On Completion: 2				
	Remarks: 7:00 AM HSM (JSA #2 PICKING UP TUBING). RIH W/ 89 JTS 2 3/8" L-80 TBG. TAG PBTD @ 9,246' W/291 JTS TBG. STARTED RIG PUMP TO CIRCULATE WELL. JOSE G TAPIA (RIG HAND) CLOTHING GOT COUGHT IN RIG PUMP DRIVE LINE. SHUT DOWN OPERATIONS. CALLED LIFE FLIGHT & AMBULANCE. LIFE FLIGHT TOOK INJURED MAN TO ST. MARY'S HOSPITAL IN GRAND JUNCTION, COLORADO. POOH LD 8 JTS EOT @ 9,025' SWI SDFWE.				

12/04/06

**PULL TUBING**

Remarks: 7:00 a.m. HSM. WAIT ON OSHA INSPECTOR. 12:00 NOON TO 2:00 P.M. PROCEED W/ OSHA INSPECTION. RECEIVE O.K. TO WORK FROM INSPECTOR. RIH W/ 8 JTS TBG TO PBD @ 9246'. R/U PMP & LINES. CIRC WELL CLEAN W/ 50 BBLs 2% KCL. POOH L/D 37 JTS TBG ON TRAILER. CONT TO POOH W/ TBG. EOT @ 7200'. SWI.

12/05/06

**POOH W/ LOG & PERF**

Remarks : 7:00 AM. HSM. POOH W/2 3/8" L-80 TBG. MIRU SCHLUMBERGER & CUTTERS. ND BOP'S NU WH. RIH W/ CEMENT BOND LOG TOOLS. TAG PBD @ 9,240' LOG TO SURFACE. GOOD BOND. PRESSURE TEST CASING & FRAC VALVES TO 7,500 PSI. GOOD TEST.

STG 1) RIH W/ 3 3/8" EXP GUNS, 23 GRM, .36 HOLES, 90 DEG PHASING, PERF 9,170' TO 9,180' 4 SPF 40 HOLES. BRK @ 5,049 PSI, @ 5.2 BPM, ISIP 2,579 PSI, FG .71 PUMP 100 BBLs @ 50 BPM @ 5,300 PSI = 40 OF 40 HOLES OPEN MP 7,424 PSI, MR 50.4 BPM, AP 5,336 PSI, AR 46.6 BPM, ISIP 2925 PSI, FG .75 NPI 346 PSI, PMP 845 BBLs SLICK WATER & 21,000 LBS 30/50 SAND

STG 2) RIH W/ 3 3/8" EXP GUNS, 23 GRM, .36 HOLES, 90 DEG PHASING, SET 8K BAKER CBP @ 8,880' PERF 8832' - 36' 4 SPF, 8691' - 95' 4 SPF, 8600' - 03' 4 SPF 44 HOLES. BRK @ 2,979 PSI, @ 5.2 BPM, ISIP 2,325 PSI, FG .70 PUMP 100 BBLs @ 51.2 BPM @ 4,900 PSI = 44 OF 44 HOLES OPEN MP 5,679 PSI, MR 51.3 BPM, AP 4745 PSI, AR 48.0 BPM, ISIP 2911 PSI, FG .77 NPI 586 PSI, PMP 1,305 BBLs SLICK WATER & 46,900 LBS 30/50 SAND. WINTERIZE WELL HEAD. SWI, SDFN.

12/06/06

**Perf & Frac**

Remarks : 7:00 A.M. HSM.

STG 3: P/U 3 3/8" EXP PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 8500'. P/U SHOOT 20 HOLES F/ 8301' - 06', P/U SHOOT 20 HOLES F/ 8456' - 61'. POOH. BRK DWN PERF'S @ 2729#, EST INJ RT @ 51 BPM @ 4950#, ISIP 2200#, FG .70. TREAT STG 3 W/ 43,800# SAND W/ SLK WTR. TOT CL FL 1219 BBLs. ISIP 2550#, NPI 350#, FG .74

STG 4: P/U 3 3/8" PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 7948'. P/U SHOOT 20 HOLES F/ 7913' - 18', P/U SHOOT 20 HOLES F/ 7831' - 36'. POOH. BRK DWN PERF'S @ 2631#, EST INJ RT @ 50.1 BPM @ 4080#, ISIP 1990#, FG .69, TREAT STG 4 W/ 51,000# SAND W/ SLK WTR. TOT CL FL 1378 BBLs, ISIP 2556#, NPI 566#, FG .76

STG 5: P/U 3 3/8" PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 7666', P/U SHOOT 28 HOLES F/ 7629' - 36', P/U SHOOT 12 HOLES F/ 7474' - 77'. POOH. BRK DWN PERF'S @ 2591#, EST INJ RT @ 50.3 BPM @ 5300#, ISIP 1850#, FG .68. TREAT STG 5 W/ 27,600# SAND W/ SLK WTR. TOT CL FL 805 BBLs. ISIP 2470#, NPI 620#, FG .78

STG 6: P/U 3 3/8" PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 7189'. P/U SHOOT 24 HOLES F/ 7153' - 59', P/U SHOOT 16 HOLES F/ 7080' - 84'. POOH, BRK DWN PERF'S @ 2824#, EST INJ RT @ 50 BPM @ 4200#, ISIP 1350#, FG .62, TREAT STG 6 W/ 34,250# SAND W/ SLK WTR. TOT CL FL 967 BBLs. ISIP 2400#, NPI 1050#, FG .77

STG 7: P/U 3 1/8" HSC PERF GUNS & 4 1/2" BAK 8K CBP & RIH. SET CBP @ 6260'. P/U SHOOT 36 HOLES F/ 6221' - 30'. P/U 20' BECAME STUCK. WORK LINE W/O SUCCESS. R/U SCHLUMBERGER. PMP GUNS FREE. ATTEMPT TO POOH BECAME STUCK. PMP FREE AGAIN. ATTEMPT TO POOH. BECAME STUCK. COULD NOT PULL FREE. PMPING BY PERF GUNS @ 10 BPM ! 1500#. PULL TO 3300# LINE TENSION. LINE PARTED. POOH. RDMO. CUTTERS. RDMO SCHULMBERGER. ND FRAC VALVES. NU BOPE. P/U 3 7/8" O.S. W/ 3 1/8" GRAPPLE, BMP SUB & RIH. EOT @ 2000'. SWI, SDFN.

12/07/06

**Perf & Frac**

Days On Completion: 8

Remarks:7:00 AM HSM BLEED PSI OFF TBG. WL DIED. CONT TO RIH W/TBG & OS LATCH FISH @ 6200'. WORK FISH FREE. (PULL 20,000# OVER ST WEIGHT). POOH, STAND BACK TBG. LD PERF GUNS. ND BOPE. NU FRAC VALVE'S. MIRU SCHLUMBERGER. MIRU CUTTERS. PSI TST LINES TO 8500# (HELD). CONT TO FRAC.

STG 7: PERFS WERE BRK DWN @ 2660#, EST INJ RT @ 52.3 BPM @ 3620#, ISIP: 850#, FT: .57, TREAT STG 7 W/16,500# SD W/SLK WTR. TOT CL FL: 543 BBLs. ISIP: 1533#, NPI: 683#, FG: .68.

STG 8: PU 3-1/8" HSC PERF GUNS & 4-1/2" BAK 8K CBP & RIH. SET CBP @ 5988', PU SHOOT 24 HOLES F/5952'-58', PU SHOOT 16 HOLES F/5778'-82', POOH. BRK DWN PERFS @ 2338#, EST INJ RT @ 49.2 BPM @ 3090#, ISIP: 1283#, FG: .65, TREAT STG 8 W/25,000# SD W/SLK WTR. TOT CL FL: 730 BBLs. ISIP: 1247#, NPI: -36#, FG: .65.

STG 9: PU 3-1/8" HSC PERF GUNS & 4-1/2" BAK 8K CBP & RIH. SET CBP @ 5375', PU SHOOT 20 HOLES F/5340'-45', PU SHOOT 20 HOLES F/5125' - 30', POOH. BRK DWN PERFS @ 2280#, EST INJ RT @ 50.2 BPM @ 3200#, ISIP: 110# (VACCUM). FG: .45, TREAT STG 9 W/45600# SD W/SLK WTR. TOT CL FL: 1245 BBLs. ISIP: 950#, NPI: 840#, FG: .62.

PU 4-1/2" BAK 8K CBP & RIH. SET KILL PLUG @ 5025'. POOH. RDMO CUTTERS. RDMO SCHLUMBERGER. ND FRAC VLVS. NU BOPE. PU 3-7/8" SMITH BIT, POBS & RIH W/TBG. TAG KILL PLUG @ 5025'. LD 2 JTS. RU DRL EQUIP. PREP TO DRL IN AM. WINTERIZE WH.

12/08/06

**DRILL CBP'S**

Days On Completion: 9

Remarks:7:00 a.m. HSM. R/U PMP & LINES. BRK CONV CIRC & BEG TO DRL. C/O 10' FILL TO 1ST CBP @ 5080'.

DRL UP 1ST CBP IN 10 MIN. (0# PSI INC. VACCUM). CONT TO PMP, CATCH CIRC W/ 20 BBLs. CONT TO RIH. TAG FILL @ 5345', (30' FILL). C/O TO 2ND CBP @ 5375'.

DRL UP 2ND CBP IN 13 MIN. (0# PSI INC, VACCUM). CONT TO PMP, CATCH CIRC W/ 160 BBLs. CONT TO RIH. TAG FILL @ 5948', (40' FILL). C/O TO 3RD CBP @ 5988'.

DRL UP 3RD CBP IN 18 MIN. (100# PSI INC). CONT TO RIH. TAG FILL @ 6230', (30' FILL). C/O TO 4TH CBP @ 6260'.

DRL UP 4TH CBP IN 18 MIN. (100# PSI INC). CONT TO RIH. TAG FILL @ 7165', (24' FILL). C/O TO 5TH CBP @ 7189'.

DRL UP 5TH CBP IN 10 MIN. (300# PSI INC). CONT TO RIH. TAG FILL @ 7636', (30' FILL). C/O TO 6TH CBP @ 7666'.

DRL UP 6TH CBP IN 13 MIN. (400# PSI INC). CONT TO RIH. TAG FILL @ 7918'. (30' FILL). C/O TO 7TH CBP @ 7948'.

DRL UP 7TH CBP IN 10 MIN. (500# PSI INC). CONT TO RIH. TAG FILL @ 8510'. (40' FILL). C/O TO 8TH CBP @ 8550'.

DRL UP 8TH CBP IN 10 MIN. (600# PSI INC). CONT TO RIH. TAG FILL @ 8850'. (30' FILL). C/O TO 9TH CBP @ 8880'.

DRL UP 9TH CBP IN 8 MIN. (300# PSI INC). CONT TO RIH. TAG FILL @ 9188', (48' FILL). C/O TO PBTD @ 9236'. CIRC WELL CLEAN. RD DRL EQUIP. POOH L/D 49 JTS TBG ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 8026'. NDBOPE. NUWH. DROP BALL. PMP OFF THE BIT SUB @ 1000#. R/U FLOW BACK LINES. TURN OVER TO FLOW BACK CREW. SICP 1350#, FTP 150#, 48/64" CHOKE

12/09/06 FLOW BACK REPORT: CP: 1900#, TP: 1600#, 45 BWPH, 20/64 CHK, TTL BBLS FLWD: 772,  
TODAYS LTR: 6048 BBLS

12/10/06 FLOW BACK REPORT: CP: 1775#, TP: 1450#, 30 BWPH, 20/64 CHK, TTL BBLS FLWD: 840,  
TODAYS LTR: 5208 BBLS  
ON SALES: 539 MCF, 0 BC, 600 BW, TP: 1225#, CP: 1600#, 20/64 CHK, 8 HRS, LP: 63#.

12/11/06 FLOW BACK REPORT: CP: 1600#, TP: 1225#, 25 BWPH, 20/64 CHK, TTL BBLS FLWD: 600,  
TODAYS LTR: 4608 BBLS.  
ON SALES: 653 MCF, 0 BC, 240 BW, TP: 1200#, CP: 1575#, 20/64 CHK, 20 HRS, LP: 44#.

12/12/06 FLOW BACK REPORT: CP: 1500#, TP: 1100#, 15 BWPH, 20/64 CHK, TTL BBLS FLWD: 405,  
TODAYS LTR: 4203 BBLS.  
ON SALES: 678 MCF, 0 BC, 240 BW, TP: 1200#, CP: 1575#, 20/64 CHK, 20 HRS, LP: 19#.

12/13/06 ON SALES: 1942 MCF, 0 BC, 240 BW, TP: 858#, CP: 1280#, 20/64 CHK, 20 HRS, LP: 331#.

12/14/06 ON SALES: 1932 MCF, 0 BC, 240 BW, TP: 789#, CP: 1179#, 20/64 CHK, 20 HRS, LP: 406#.

12/15/06 ON SALES: 1876 MCF, 0 BC, 240 BW, TP: 766#, CP: 1143#, 20/64 CHK, 20 HRS, LP: 333#.

12/16/06 ON SALES: 1823 MCF, 0 BC, 240 BW, TP: 719#, CP: 1089#, 20/64 CHK, 24 HRS, LP: 333#.

12/17/06 ON SALES: 1788 MCF, 0 BC, 240 BW, TP: 676#, CP: 1044#, 20/64 CHK, 24 HRS, LP: 334#.

**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: **ML-22649**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: \_\_\_\_\_

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

8. WELL NAME and NUMBER: **NBU 922-32D**

9. API NUMBER: **4304738008**

10. FIELD AND POOL, OR WILDCAT: **NATURAL BUTTES**

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NWNW 32 9S, 22E**

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

14. DATE SPUNDED: **8/13/2006** 15. DATE T.D. REACHED: **11/13/2006** 16. DATE COMPLETED: **12/10/2006** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **4966'GL**

18. TOTAL DEPTH: MD **9,300** TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD **9,236** 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? NO  YES  (Submit analysis)  
WAS DST RUN? NO  YES  (Submit report)  
DIRECTIONAL SURVEY? NO  YES  (Submit copy)

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 J-55	32.3# 36#		2,570		680			
7 7/8"	4 1/2 I-80	11.6#		9,300		1545			

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	8,026							

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	27. PERFORATION RECORD		NO. HOLES	PERFORATION STATUS	
					INTERVAL (Top/Bot - MD)	SIZE		Open	Squeezed
(A) WASATCH	5,125	6,230			5,125 6,230	0.34	116	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) MESAVERDE	7,080	9,180			7,080 9,180	0.36	294	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5125'-6230'	PMP 2518 BBLs SLICK H2O & 87,100# 30/50 JORDAN SD
7080'-9180'	PMP 6519 BBLs SLICK H2O & 24,550# 30/50 JORDAN 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**

**RECEIVED**

**JAN 11 2007**

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 12/10/2006		TEST DATE: 12/13/2006		HOURS TESTED: 20		TEST PRODUCTION RATES: →		OIL – BBL: 0	GAS – MCF: 1,942	WATER – BBL: 240	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 858	CSG. PRESS. 1,280	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,942	WATER – BBL: 240	INTERVAL STATUS: PROD	

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED: 12/10/2006		TEST DATE: 12/13/2006		HOURS TESTED: 20		TEST PRODUCTION RATES: →		OIL – BBL: 0	GAS – MCF: 1,942	WATER – BBL: 240	PROD. METHOD: FLOWING
CHOKE SIZE: 20/64	TBG. PRESS. 858	CSG. PRESS. 1,280	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 1,942	WATER – BBL: 240	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):

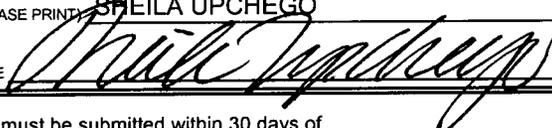
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,590 7,042	7,042			

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 1/9/2007

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

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22649
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<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.	<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
--	--

<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 922-32D
------------------------------------	--

<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047380080000
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<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
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<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0264 FNL 0778 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S Range: 22.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
---	---

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/18/2011	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

This well location has returned to production from a shut-in status on  
 Tuesday, January 18, 2011.

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

<b>NAME (PLEASE PRINT)</b> Gina Becker	<b>PHONE NUMBER</b> 720 929-6086	<b>TITLE</b> Regulatory Analyst II
<b>SIGNATURE</b> N/A		<b>DATE</b> 1/24/2011

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  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.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22649  <b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  <b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 922-32D	
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047380080000	
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6515 Ext	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0264 FNL 0778 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S Range: 22.0E Meridian: S	<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH	
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 7/22/2011  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION  <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS RETURNED TO PRODUCTION ON 07/22/2011.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 8/5/2011	

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22649
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<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 922-32D
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047380080000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6511  <b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0264 FNL 0778 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S Range: 22.0E Meridian: S	<b>COUNTY:</b> Uintah  <b>STATE:</b> UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 3/1/2013	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> <b>SUBSEQUENT REPORT</b> 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"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input checked="" type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

The operator proposes to temporarily abandon the subject well to drill the NBU 922-32D1 Pad, which includes the NBU 922-30P1BS, NBU 922-30P1CS, NBU 922-30P4BS and NBU 922-30P3DS wells. Please see attached procedure. Thank you.

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

**Date:** March 05, 2013

**By:** *Derek Duff*

<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/1/2013	

**Well Name:** NBU 922-32D  
**Surface Location:** NENW Sec. 10, T10S, R22E  
 Uintah County, UT

2/27/13

**Recommended action for disposition of well bore:**

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

**API:** 4304738008      **LEASE#:** ML-22649

**ELEVATIONS:** 4966' GL      4990' KB

**TOTAL DEPTH:** 9300'      **PBTD:** 9236'

**SURFACE CASING:** 9 5/8", 32.3# & 36# J-55 @ 2570'(KB)

**PRODUCTION CASING:** 4 1/2", 11.6# I-80 @ 9300'  
 TOC @ ~Surface' per CBL

**PRODUCTION TUBING:** 2 3/8" L/N-80, EOT @ 8027' (CMP rpt dated 12/8/06)

**PERFORATIONS:** MESAVERDE 7080' - 9180'  
 WASATCH 5125' - 6230'

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	0.1626	0.02171	0.00387
4.5" 11.6# N/M/I-80 csg	3.875	6350	7780	0.6528	0.0872	0.0155
9.625" 32.3# H-40 csg	8.845	1400	2270	3.3055	0.4418	0.0787
<b>Annular Capacities</b>						
2.375" tbg. X 4.5" 11.6# csg.				0.4226	0.0565	0.01
4.5" csg. X 9.625" 32.3# csg.				2.478	0.3314	0.059
4.5" csg. X 7.875" hole				1.7052	0.2278	0.0406
9.625" csg. X 12.25" hole				2.3436	0.3132	0.0558

**GEOLOGICAL TOPS:**  
 4590' Wasatch  
 7042' Mesaverde

**NBU 922-32D TEMPORARY ABANDONMENT PROCEDURE**

**GENERAL**

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

**PROCEDURE**

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

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RU WIRELINE. ENSURE WELLBORE IS CLEAN. **A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.**
3. RUN GYRO SURVEY.
4. **PLUG #1, ISOLATE WAS/MV PERFORATIONS (5125' - 9180')**: RIH W/ 4 1/2" CBP. SET @ ~5100'. RELEASE CBP, PUH 10', BRK CIRC W/ FRESH WATER. PRESSURE TEST CASING TO 500 PSI. INFORM ENGINEERING IF IT DOESN'T TEST. DISPLACE A MINIMUM OF **8 SX / 1.5 BBL / 8.7 CUFT**. ON TOP OF PLUG. PUH ABOVE TOC (~5000'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
5. **PLUG #2, PROTECT TOP OF WASATCH (4590')**: PUH TO ~4700'. BRK CIRC W/ FRESH WATER. DISPLACE A MINIMUM OF **16 SX / 3.3 BBL / 17.4 CUFT** AND BALANCE PLUG W/ TOC @ ~4490' (210' COVERAGE). PUH ABOVE TOC. REVERSE CIRCULATE W/ TREATED FRESH WATER.
6. LOWER WELLHEAD TO GROUND LEVEL TO ACCOMMODATE DRILLING OPS AND INSTALL MARKER PER UDOGM GUIDELINES.
7. RDMO. TURN OVER TO DRILLING OPERATIONS.

ALM 2/27/13

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>  <b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22649
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<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input checked="" type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. The operator has concluded the temporary abandonment operations on the subject well location on 3/14/2013. This well was plugged in order to expand and drill the NBU 922-32D1 PAD wells. Please see the attached chronological well history for details. Thank you.		
<b>Accepted by the          Utah Division of          Oil, Gas and Mining          FOR RECORD ONLY          April 15, 2013</b>		
<b>NAME (PLEASE PRINT)</b> Luke Urban	<b>PHONE NUMBER</b> 720 929-6501	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/12/2013	

US ROCKIES REGION  
Operation Summary Report

Well: NBU 922-32D		Spud Date: 11/4/2006						
Project: UTAH-UINTAH		Site: NBU 922-32D		Rig Name No: SWABBCO 8/8				
Event: ABANDONMENT		Start Date: 3/11/2013		End Date: 3/13/2013				
Active Datum: RKB @4,990.99usft (above Mean Sea Level)		UWI: NBU 922-32D						
Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
3/11/2013	7:00 - 7:15	0.25	ABANDT	48		P		HSM, JSA
	7:15 - 15:30	8.25	ABANDT	30	G	P		ROAD RIG FROM FEDERAL 24-22 TO NBU 164, NBU 164 WAS TO MUDDY, ROAD RIG FROM NBU 164 TO NBU 922-32D
	15:30 - 18:00	2.50	ABANDT	30	A	P		MIRU
3/12/2013	7:00 - 7:15	0.25	ABANDT	48		P		HSM, JSA
	7:15 - 8:45	1.50	ABANDT	30	A	P		ND WH NU BOP'S, RU FLOOR & TBG EQUIP
	8:45 - 15:00	6.25	ABANDT	31	I	P		100# FCP, CONTROLL WELL W/ 30 BBLS T-MAC, MIRU SCAN TECH, TOOHD SCANNING TBG, SCAN SHOWED 168 GOOD JTS & 84 BAD, LIGHT EXTERNAL SCALE WAS FOUND FROM JOINT 168-240( 5,334-7,620'), HEAVY EXTERNAL SCALE FROM JNT 241-252 (7,620'-8,000', 81 JTS WERE REJECTED DUE TO WALL LOSS & 3 WERE REJECTED DUE TO BAD PINS
	15:00 - 16:45	1.75	ABANDT	34	I	P		MIRU CUTTERS WIRELINE, RIH W/ GAUGE RING TO 5,130', POOH LD GAUGE RING, PU 4-1/2" 8K CBP, SET CBP @ 5,100', POOH RD CUTTERS
	16:45 - 18:00	1.25	ABANDT	31	I	P		TIH W/ 40 STANDS 2-3/8" TBG, SDFN
3/13/2013	7:00 - 7:15	0.25	ABANDT	48		P		HSM, JSA
	7:15 - 8:00	0.75	ABANDT	31	I	P		TIH W/ 2-3/8" TBG, TAG CBP @ 5,100', PUH 10'
	8:00 - 10:30	2.50	ABANDT	51	D	P		MIRU PRO PETRO, PRESSURE TEST CSG TO 500 PSI, CSG TESTED GOOD, BREAK CIRC W/ FRESH WTR, MIX & PUMP 10SX CMT @ 15.8 PPG, DISPLACE W/ 19.1 BBLS WTR, PUH TO 4,700', BREAK CIRC W/ 2 BBLS FRESH WTR, MIX & PUMP 20 SX CMT @ 15.8 PPG, DISPLACE W/ 17 BBLS WTR, PUH TO 4,500' & REVERSE CIRC W/ TREATED T-MAC
	10:30 - 13:00	2.50	ABANDT	31	I	P		TOOH, LD TBG ON TRAILER
	13:00 - 18:00	5.00	ABANDT	30	C	P		ND BOP'S, NU WH, RDMO
3/14/2013	7:00 -							REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING 39.99908-109.47042

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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<b>1. TYPE OF WELL</b> Gas Well	<b>8. WELL NAME and NUMBER:</b> NBU 922-32D	
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	<b>STATE:</b> UTAH	
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The operator has concluded the temporary abandonment operations on the subject well location on 3/14/2013. This well was plugged in order to expand and drill the NBU 922-32D PAD wells. Please see the attached chronological well history for details. Thank you.</p>		
<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY April 26, 2013</b></p>		
<b>NAME (PLEASE PRINT)</b> Luke Urban	<b>PHONE NUMBER</b> 720 929-6501	<b>TITLE</b> Regulatory Specialist
<b>SIGNATURE</b> N/A	<b>DATE</b> 4/12/2013	

US ROCKIES REGION  
Operation Summary Report

Well: NBU 922-32D

Spud Date: 11/4/2006

Project: UTAH-UINTAH

Site: NBU 922-32D

Rig Name No: SWABBCO 8/8

Event: ABANDONMENT

Start Date: 3/11/2013

End Date: 3/13/2013

Active Datum: RKB @4,990.99usft (above Mean Sea Level)

UWI: NBU 922-32D

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
3/11/2013	7:00 - 7:15	0.25	ABANDT	48		P		HSM, JSA
	7:15 - 15:30	8.25	ABANDT	30	G	P		ROAD RIG FROM FEDERAL 24-22 TO NBU 164, NBU 164 WAS TO MUDDY, ROAD RIG FROM NBU 164 TO NBU 922-32D
	15:30 - 18:00	2.50	ABANDT	30	A	P		MIRU
3/12/2013	7:00 - 7:15	0.25	ABANDT	48		P		HSM, JSA
	7:15 - 8:45	1.50	ABANDT	30	A	P		ND WH NU BOP'S, RU FLOOR & TBG EQUIP
	8:45 - 15:00	6.25	ABANDT	31	I	P		100# FCP, CONTROLL WELL W/ 30 BBLS T-MAC, MIRU SCAN TECH, TOOHD SCANNING TBG, SCAN SHOWED 168 GOOD JTS & 84 BAD, LIGHT EXTERNAL SCALE WAS FOUND FROM JOINT 168-240( 5,334-7,620'), HEAVY EXTERNAL SCALE FROM JNT 241-252 (7,620'-8,000', 81 JTS WERE REJECTED DUE TO WALL LOSS & 3 WERE REJECTED DUE TO BAD PINS
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3/14/2013	7:00 -							REMOVE PRODUCTION FACILITIES TO PREPARE LOCATION FOR PAD DRILLING 39.99908-109.47042

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-22649
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
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.		<b>7. UNIT or CA AGREEMENT NAME:</b> NATURAL BUTTES
<b>1. TYPE OF WELL</b> Gas Well		<b>8. WELL NAME and NUMBER:</b> NBU 922-32D
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>9. API NUMBER:</b> 43047380080000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6100	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0264 FNL 0778 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWNW Section: 32 Township: 09.0S Range: 22.0E Meridian: S		<b>COUNTY:</b> UINTAH  <b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 12/3/2013  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER OTHER: <input type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
<p>The subject well was temporarily abandoned to drill and complete the NBU 921-32D1 Pad. On 12/3/2013 well work had completed drilling out plugs and returned the well to production on 12/23/2013. Please see attached daily summary.</p>		<p><b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY February 28, 2014</b></p>
<b>NAME (PLEASE PRINT)</b> Teena Paulo	<b>PHONE NUMBER</b> 720 929-6236	<b>TITLE</b> Staff Regulatory Specialist
<b>SIGNATURE</b> N/A		<b>DATE</b> 2/28/2014

US ROCKIES REGION  
Operation Summary Report

Well: NBU 922-32D

Spud Date: 11/4/2006

Project: UTAH-UINTAH

Site: NBU 922-32D1 PAD

Rig Name No: MILES 3/3

Event: ABANDONMENT

Start Date: 10/30/2013

End Date: 12/3/2013

Active Datum: RKB @4,990.99usft (above Mean Sea Level)

UWI: NBU 922-32D

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
10/30/2013	7:00 -							REBUILD PROD. FACILITIES TO RETURN WELL TO PRODUCTION
11/25/2013	14:00 - 15:30	1.50	ABANDT	30	A	P		MOVED OVER & RIGGED UP, ND WH NU BOPS, RU FLOOR & EQUIP.
	15:30 - 17:00	1.50	ABANDT	31	I	P		TALLY & PU 37/8 BIT & 55 JTS 23/8 J-55, SWI SDFN
11/26/2013	7:00 - 7:30	0.50	ABANDT	48		P		HSM, DRILLING CMT W/ POWER SWIVEL.
	7:30 - 10:30	3.00	ABANDT	31	I	P		PU REM 89 JTS 144JTS IN, TAG CMT @ 4503', RR DRLG EQUIP, BROKE CIRC REV, TEST BOPS TO 2500 PSI.
	10:30 - 14:00	3.50	ABANDT	44	A	P		D/O CMT F/ 4503' TO 4720' 217' CMT. FELL FREE TO 5007' D/O CMT TO 5069' 62' CIR CLN.
	14:00 - 17:00	3.00	ABANDT	31	I	P		HUNG SWIVEL, POOH W/ 161 JTS L/D BIT, PU 37/8 SLAUGH MILL, RIH 159 JTS EOT @ 5005' SWI SDFN.
11/27/2013	7:00 - 7:30	0.50	ABANDT	48		P		HSM, WORKING W/ FOAM UNIT.
	7:30 - 9:30	2.00	ABANDT	44	C	P		RU SWIVEL BROKE CIRC W/ AIR/FOAM, D/O REM 37' CMT & CBP @ 5106' NO KICK.
	9:30 - 11:30	2.00	ABANDT	31	I	P		KILL TBG HANG SWIVEL PULL 2 JTS REM TSF, PU TBG TAG @ 7642' 243 JTS.
	11:30 - 17:00	5.50	ABANDT	44	D	P		RU SWIVEL, INSTALLED TSF, BROKE CIRC W/ AIR / FOAM, C/O PATCHY SCALE F/ 7642' TO 8305' HARD SCALE TO 8382', CIRC CLN. POOH 14 JTS KILL TBG, REMOVED TSF, EOT @ 7923' SWI SDFWE
12/2/2013	7:00 - 7:30	0.50	ABANDT	48		P		HSM, WORKING W/ FOAM UNIT & WARMING EQUIP IN COLD WEATHER.
	7:30 - 17:00	9.50	ABANDT	44	D	P		SICP 700 PSI, OPEN TO PIT, RIH TAG BACK UP @ 8382' RU SWIVEL INSTALL TSF, BROKE CIRC W/ AIR/FOAM, C/O SCALE F/ 8382' TO 8397' RIH TAG UP @ 9177', INSTALLED TSF, RU SWIVEL, BROKE CIRC W/ AIR/FOAM, C/O SAND TO 9234', CIRC CLN, HANG SWIVEL KILL TBG, L/D 39 JTS, POOH W/ 254 JTS, HAD 3 BAD J-55 CRIMPED. L/D MILL .PU RIH W/ L.S.N,& 73 JTS J-55 BROACHING.SWI DRAIN EQUIP SDFN.
12/3/2013	7:00 - 7:30	0.50	ABANDT	48		P		HSM, WORKING W/ SAND LINE BROACHING.

US ROCKIES REGION  
**Operation Summary Report**

Well: NBU 922-32D		Spud Date: 11/4/2006	
Project: UTAH-UINTAH		Site: NBU 922-32D1 PAD	Rig Name No: MILES 3/3
Event: ABANDONMENT		Start Date: 10/30/2013	End Date: 12/3/2013
Active Datum: RKB @4,990.99usft (above Mean Sea Level)		UWI: NBU 922-32D	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
	7:30 - 17:00	9.50	ABANDT	31	I	P		SICP 500, OPEN TO PIT & KILL W/ 20 BBLs T-MAC, RIH W/ REM TBG 181 JTS TBG BROACHING, ALL TBG BROACHED GOOD, LAND TBG, ND BOPS NU WH, SWI RDMOL, MOVE RIG & EQUIP TO NBU 921-7J, SPOT RIG & EQUIP SDFN. WHILE GETTING SPOTTED RIG HAND GOT LEFT HAND INBETWEEN MATT BOARD & RIG BEAM, TOOK TO VERNAL TO GET CHECKED OUT.  KB = 24' HANGER 71/16 .83' 107 JTS 23/8 L-80 F/ YARD = 3378.90' 6' L-80 PUP = 6.13' 147 JTS 23/8 J-55 = 4605.60' L.S.N = .69' EOT @ 8016.15'  80 TWTR