

RECEIVED

MAR 15 2005

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

FORM 3

001

AMENDED REPORT   
(highlight changes)

<b>APPLICATION FOR PERMIT TO DRILL</b>			5. MINERAL LEASE NO: STUO-015630-ST	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:	
8. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			8. UNIT or CA AGREEMENT NAME: 891008900A / <i>Natural Buttes</i>	
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY, L.P.			9. WELL NAME and NUMBER: NBU 921-33F	
3. ADDRESS OF OPERATOR: 1368 S 1200 E		CITY: VERNAL STATE: UT ZIP: 84078	PHONE NUMBER: 781-7060	
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 1797' FNL 1844' FWL <i>623044x 39,994832</i> AT PROPOSED PRODUCING ZONE: <i>44279684 -109,558695</i>			10. FIELD AND POOL, OR WILDCAT: NATURAL BUTTES	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 14 MILES SOUTHEAST OF OURAY, UTAH			11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SEW 33 9S 21E	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1797'		16. NUMBER OF ACRES IN LEASE: 285.29		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C		19. PROPOSED DEPTH: 9,815		20. BOND DESCRIPTION: STATE SURETY RLB0005236
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 4955.7' UNGRADED GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION: TO BE DETERMINED

24. **PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT	SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
12 1/4"	9 5/8" 32.3# H-40, STC	2,500	PREM CMT	265 SX	1.18 15.6
7 7/8"	4 1/2" 11.6# I-80, LTC	9,815	PREM LITE II	500 SX	3.38 11.0
			50/50 POZ G	1470 SX	1.31 14.3

25. **ATTACHMENTS**

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

<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN
<input 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) DEBRA DOMENICI TITLE ENVIRONMENTAL ASSISTANT

SIGNATURE *Debra Domenici* DATE 3/11/2005

(This space for State use only)

API NUMBER ASSIGNED: 43-047-36391

APPROVAL:

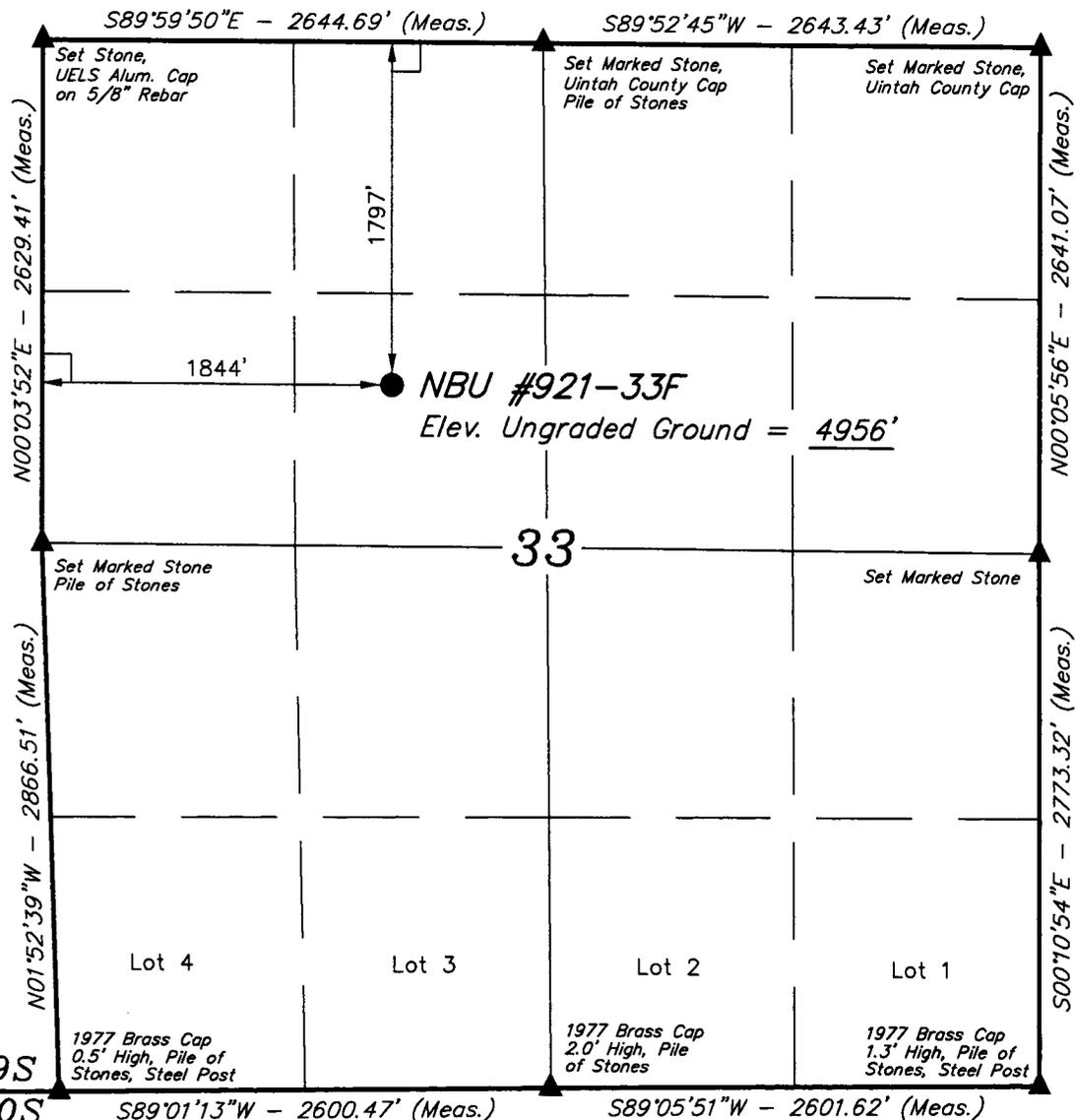
**Approved by the  
Utah Division of  
Oil, Gas and Mining**

Date: 05-18-05  
By: *[Signature]*

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

## WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NBU #921-33F, located as shown in the SE 1/4 NW 1/4 of Section 33, T9S, R21E, S.L.B.&M. Uintah County, Utah.

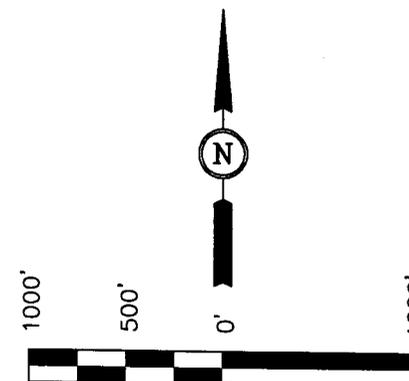


### BASIS OF ELEVATION

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

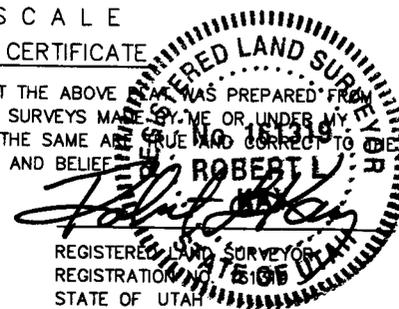
### BASIS OF BEARINGS

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



SCALE  
CERTIFICATE

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



REGISTERED LAND SURVEYOR  
REGISTRATION NO. 15139  
STATE OF UTAH

### UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(435) 789-1017

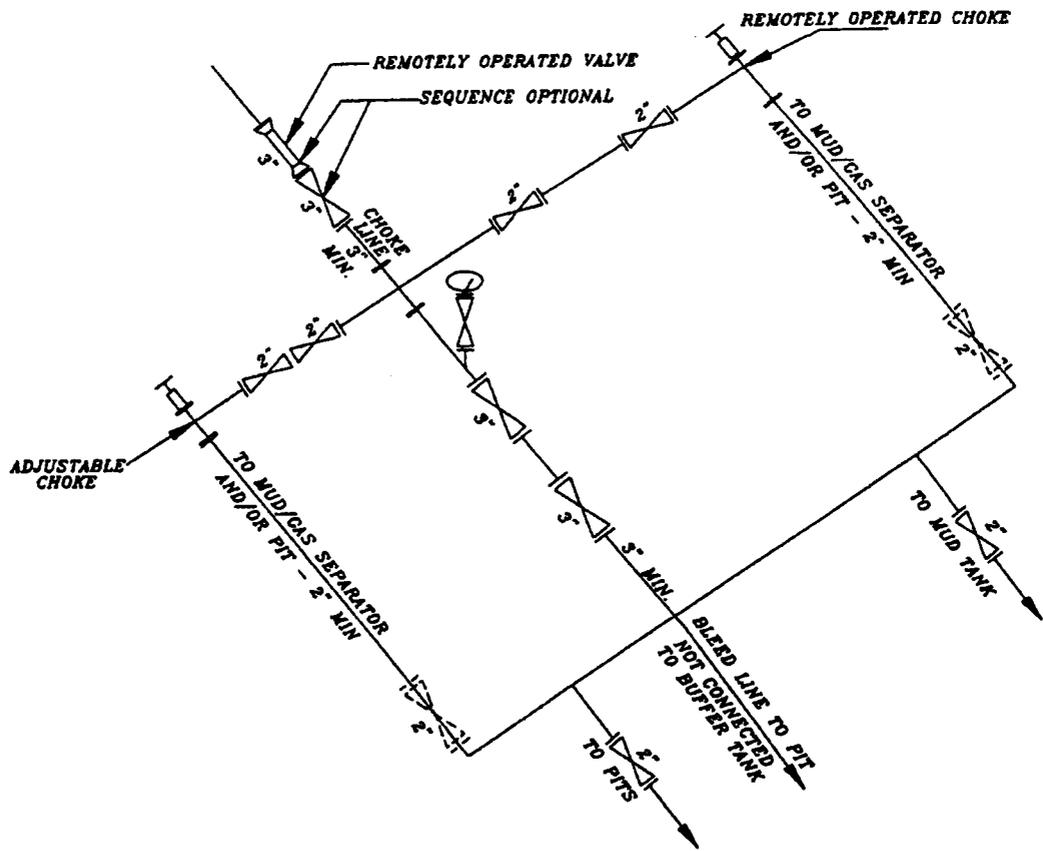
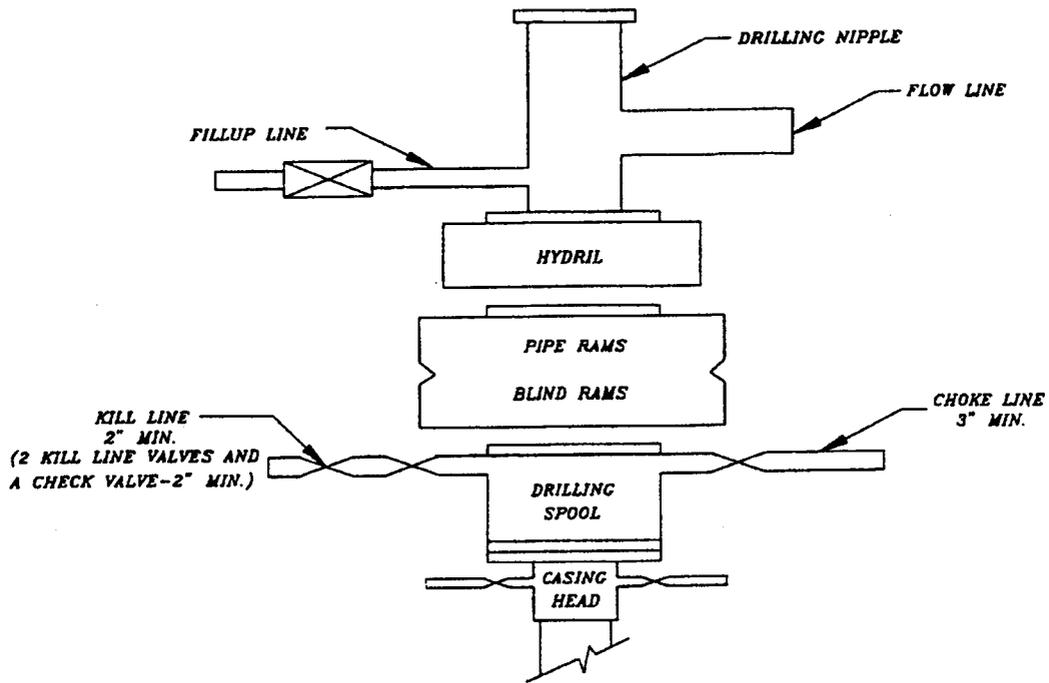
### LEGEND:

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

(NAD 83)  
 LATITUDE = 39°59'41.33" (39.994814)  
 LONGITUDE = 109°33'34.31" (109.559531)  
 (NAD 27)  
 LATITUDE = 39°59'41.46" (39.994850)  
 LONGITUDE = 109°33'31.83" (109.558842)

SCALE 1" = 1000'	DATE SURVEYED: 1-6-05	DATE DRAWN: 1-18-05
PARTY D.K. T.B. E.C.O.		REFERENCES G.L.O. PLAT
WEATHER COLD	FILE WESTPORT OIL AND GAS COMPANY, L.P.	

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM







**Westport Oil and Gas Company, L.P.**  
**DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2100	32.30	H-40	STC	3520	1.39	3.59
	9-5/8"	2100 to 2500	36.00	J-55	STC	7780	1.73	7.98
PRODUCTION	4-1/2"	0 to 9815	11.60	I-80	LTC	2.10	1.08	2.02

- 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 3710 psi

**CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>						
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,575'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	500	60%	11.00	3.38
	TAIL	5,240'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1470	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**

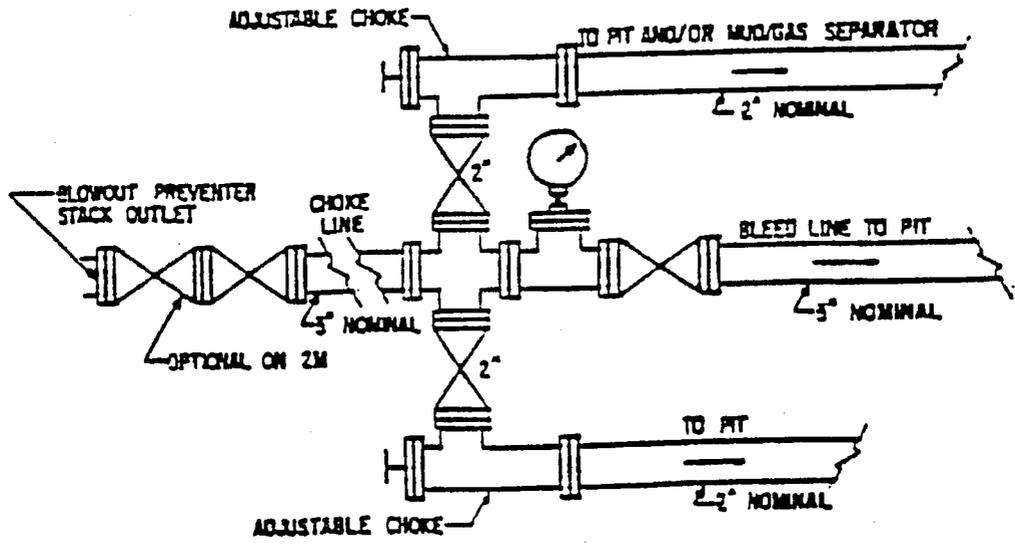
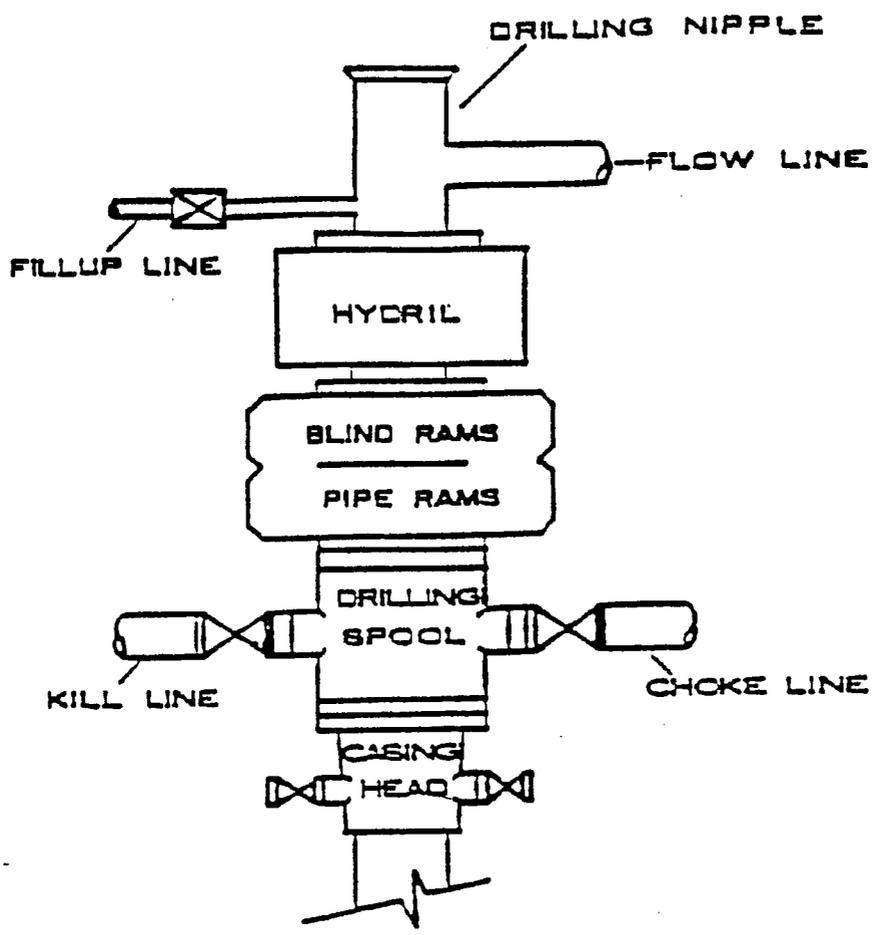
Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.  
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & 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.

DRILLING ENGINEER: \_\_\_\_\_  
 Brad Laney  
 DRILLING SUPERINTENDENT: \_\_\_\_\_  
 Randy Bayne

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

3,000 PSI

# BOP STACK



# 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)**

March 18, 2005

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2005 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 2005 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ Mesaverde)		
43-047-36388	NBU 921-34L	Sec 34 T09S R21E 2586 FSL 0379 FWL
43-047-36389	NBU 921-34K	Sec 34 T09S R21E 2543 FSL 2274 FWL
43-047-36390	NBU 921-34H	Sec 34 T09S R21E 2163 FNL 0839 FEL
43-047-36391	NBU 921-33F	Sec 33 T09S R21E 1797 FNL 1844 FWL
43-047-36392	NBU 921-33G	Sec 33 T09S R21E 1713 FNL 1754 FEL
43-047-36393	NBU 921-33I	Sec 33 T09S R21E 2240 FSL 0878 FEL
43-047-36394	NBU 921-33J	Sec 33 T09S R21E 2113 FSL 1951 FEL
43-047-36395	NBU 921-33K	Sec 33 T09S R21E 2066 FSL 1926 FWL
43-047-36396	NBU 921-33P	Sec 33 T09S R21E 0885 FSL 0719 FEL
43-047-36397	NBU 922-36C	Sec 36 T09S R22E 0720 FNL 1768 FWL
43-047-36398	NBU 922-36G	Sec 36 T09S R22E 2471 FNL 2464 FEL
43-047-36399	NBU 922-36H	Sec 36 T09S R22E 2546 FNL 1059 FEL
43-047-36400	NBU 922-36N	Sec 36 T09S R22E 0059 FSL 2066 FWL
43-047-36401	NBU 922-36O	Sec 36 T09S R22E 1202 FSL 2116 FEL
43-047-36402	NBU 1022-12I	Sec 12 T10S R22E 2297 FSL 1046 FEL
43-047-36403	NBU 1022-12P	Sec 12 T10S R22E 1083 FSL 0462 FEL

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

/s/ Michael L. Coulthard

NBU #921-33F  
SENW Sec. 33, T9S-R21E  
Uintah County, UT  
STUO-015630-ST

**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.

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 75' 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 will be 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 & Pipelines**

*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 65' of up to 8" pipeline is proposed. The pipeline will be butt-welded together. 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 16 mil thick, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any spills of oil, gas, salt water, or other noxious fluids will be immediately cleaned up and removed to an approved disposal site.

A chemical porta-toilet will be furnished with the drilling rig.

Garbage, trash, and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S, R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E.

**8. Ancillary Facilities**

None are anticipated.

**9. Well Site Layout: (See Location Layout Diagram)**

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

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

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

39 inch net wire will be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

The net wire shall be no more than two inches above the ground. The barbed wire shall be three inches over the net wire. Total height of the fence shall be at least 42 inches.

Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.

Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any 2 fence posts shall be no greater than 16 feet.

All wire shall be stretched, by using a stretching device, before it is attached to corner posts.

The reserve pit fencing will be on three sides during drilling operations, and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.

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

#### **10. Plans for Reclamation of the Surface:**

##### *Producing Location:*

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, materials, trash, and debris not required for production.

Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 43 CFR 3162.7-1.

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

Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.

To prevent surface water (s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface three feet above surrounding ground surface to allow the reclaimed pit area to drain effectively.

Upon completion of backfilling, leveling, and recontouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

##### *Dry Hole/Abandoned Location:*

Abandoned well sites, roads, and other disturbed areas will be restored as near as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions, and re-establishment of vegetation as specified.

All disturbed surfaces will be recontoured to the approximate natural contours, with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. Reseeding operations will be performed after completion of other reclamation operations.

11. **Surface Ownership:**

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

12. **Other Information:**

All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, the approved Plan of Operations, and any applicable Notice of Lessees. The Operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

The Operator will control noxious weeds along Rights-Of-Way for roads, pipelines, well sites, or other applicable facilities.

A Class III archaeological survey will be submitted when it is received by our office.

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:**

Debra Domenici  
Environmental Assistant  
Westport O&G Co.  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7060

Randy Bayne  
Drilling Operations Manager  
Westport O&G Co.  
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.

Westport O&G Co. is considered to be the operator of the subject well. Westport O&G Co. 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.

  
Debra Domenici

3/11/05  
Date

NBU #921-33F  
 SENW SECTION 33-T9S-R21E  
 UINTAH COUNTY, UTAH  
 LEASE NUMBER: STUO-015630-ST

ONSHORE ORDER NO. 1  
 WESTPORT OIL & GAS COMPANY

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1515'
Wasatch	5080'
Mesa Verde	7715'
Total Depth	9815'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
Gas	Green River	1515'
	Wasatch	5080'
	Mesa Verde	7715'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment:**

*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 at 9815' TD approximately equals 3926 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1766.7 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

**8. Anticipated Starting Dates & Notification of Operations:**

*Please refer to the attached Drilling Program.*

**9. Variances:**

*Please refer to the attached Drilling Program.*

**10. Other Information:**

*Please refer to the attached Drilling Program.*



  
**Westport Oil and Gas Company, L.P.**  
**DRILLING PROGRAM**

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2500	32.30	H-40	STC	0.77*****	1.17	3.59
PRODUCTION	4-1/2"	0 to 9815	11.60	I-80	LTC	2.64	1.24	2.02

- 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 = 10.0 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 2945 psi

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

**CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
<b>Option 1</b>	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		<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>					
<b>Option 2</b>	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,575'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	500	60%	11.00	3.38
	TAIL	5,240'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1470	60%	14.30	1.31

- \*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained  
 \*Substitute caliper hole volume plus 15% 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" 3M with one annular and 2 rams. Test to 3,000 psi (annular to 1,500 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.

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

DRILLING SUPERINTENDENT: \_\_\_\_\_  
 Randy Bayne

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

# WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33F

SECTION 33, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 6.9 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 5.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY 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 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY 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 0.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 0.3 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 0.2 MILES TO THE JUNCTION OF THIS ROAD AND THE EXISTING ACCESS ROAD TO THE #438 TO THE SOUTH; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.2 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 75' TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 45.0 MILES.

# WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33F

LOCATED IN UINTAH COUNTY, UTAH

SECTION 33, T9S, R21E, S.L.B.&M.

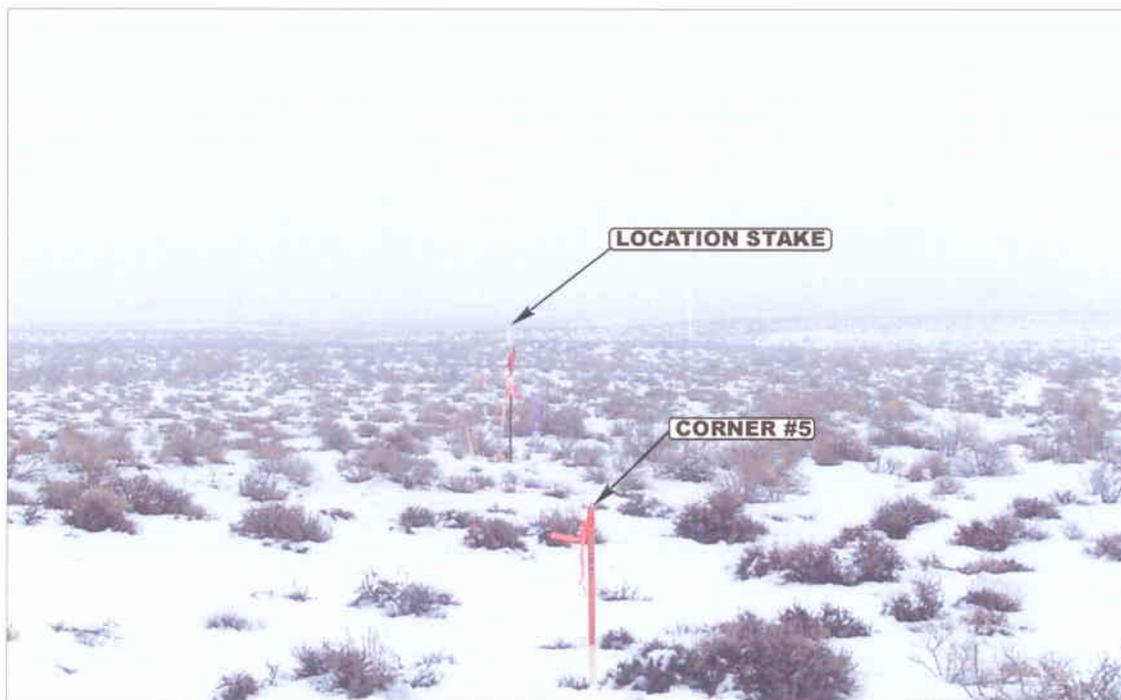


PHOTO: VIEW FROM LOCATION STAKE TO CORNER #5

CAMERA ANGLE: NORTHEASTERLY

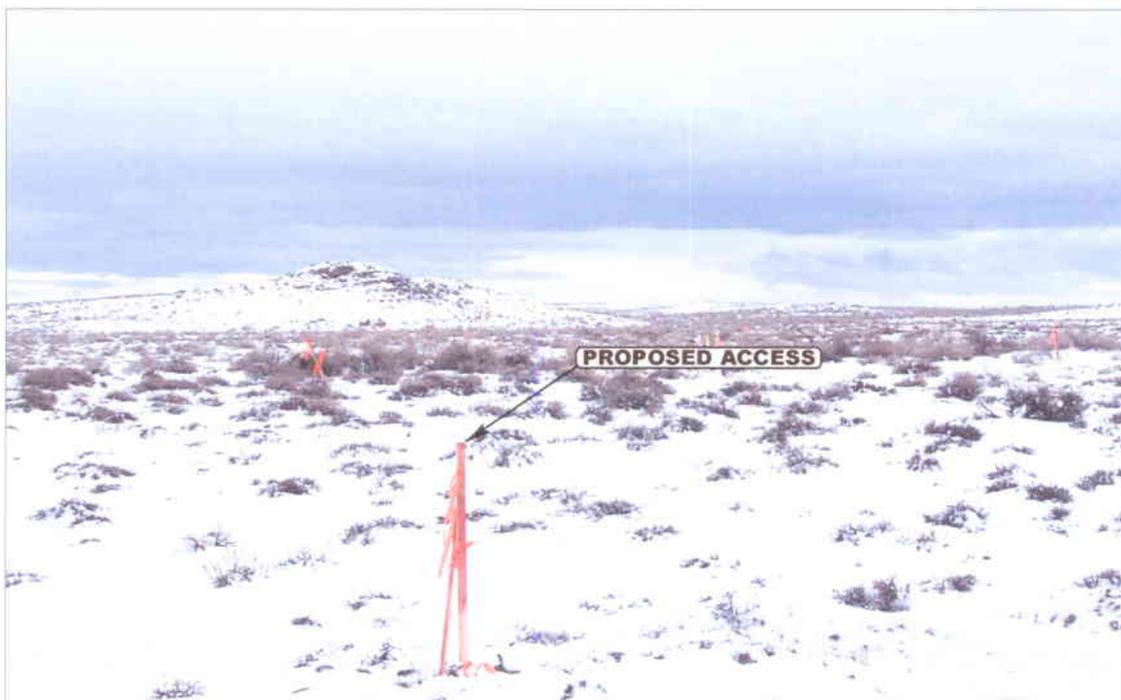


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: EASTERLY



- 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

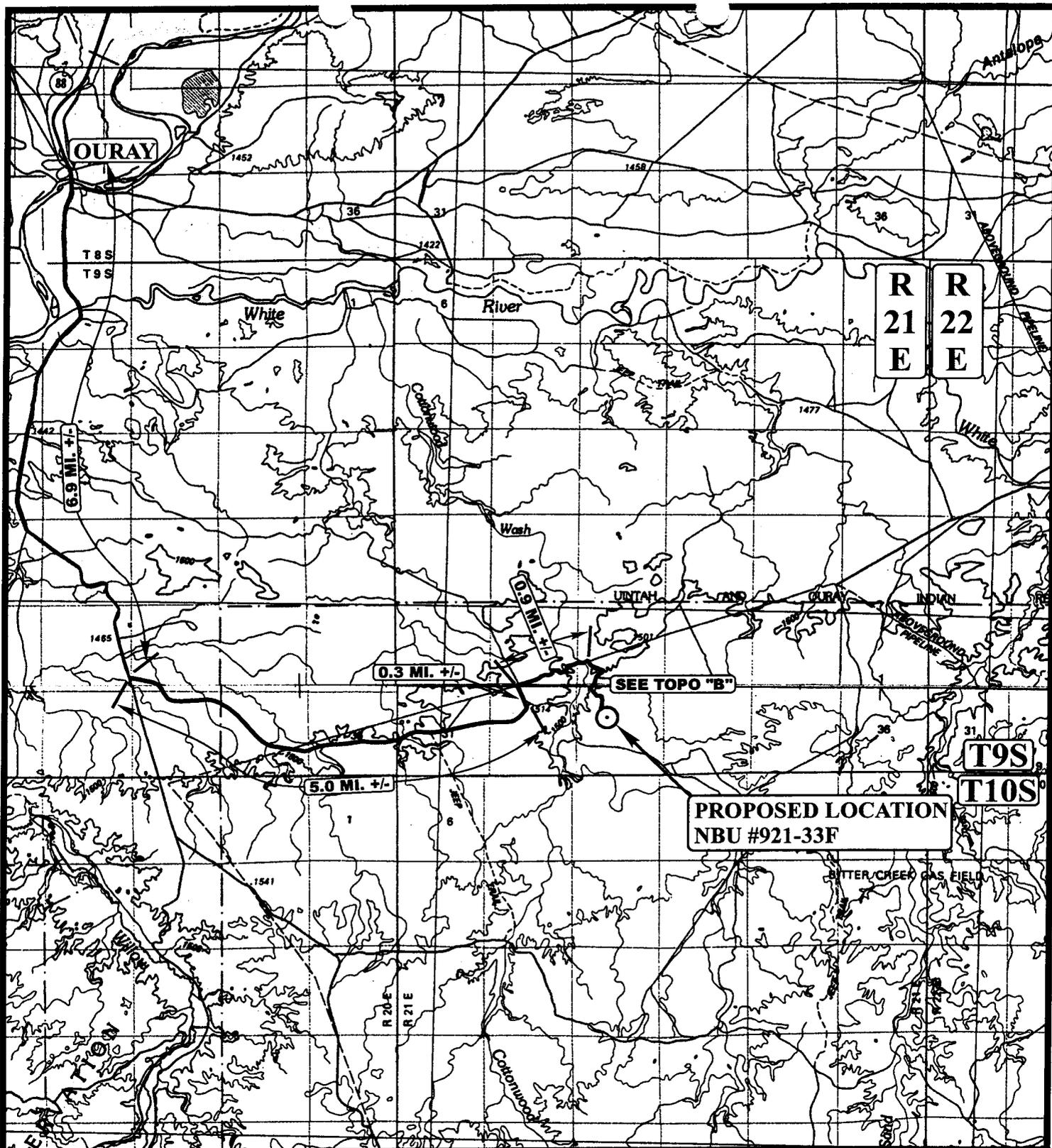
**01 13 05**  
MONTH DAY YEAR

PHOTO

TAKEN BY: D.K.

DRAWN BY: L.K.

REVISED: 00-00-00



**LEGEND:**

○ PROPOSED LOCATION

**WESTPORT OIL AND GAS COMPANY, L.P.**

**NBU #921-33F**

**SECTION 33, T9S, R21E, S.L.B.&M.**

**1797' FNL 1844' FWL**



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

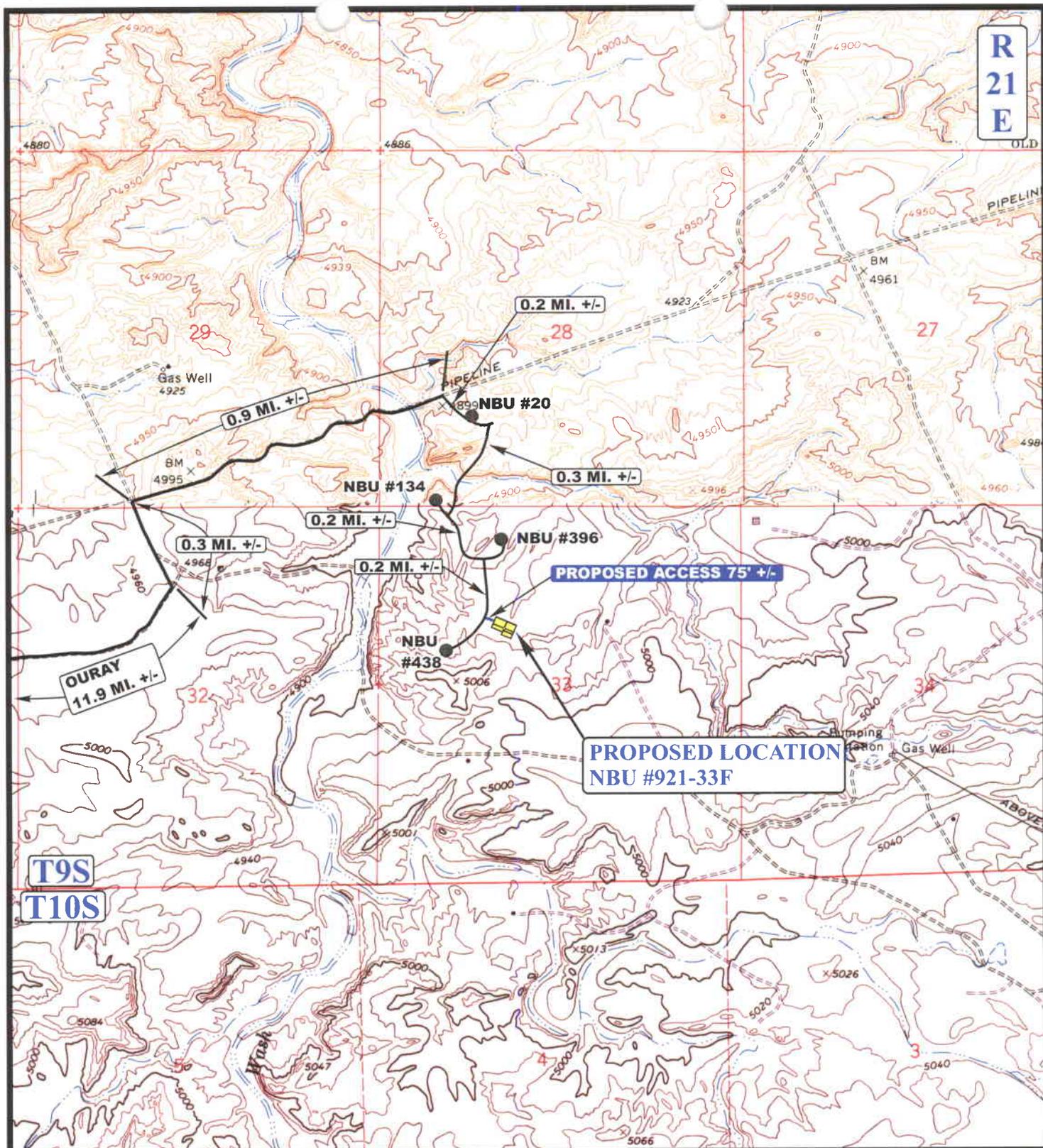


**TOPOGRAPHIC**  
**MAP**

<b>01</b>	<b>13</b>	<b>05</b>
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: P.M. REVISED: 00-00-00





**R  
21  
E**  
OLD

**T9S  
T10S**

**LEGEND:**

- EXISTING ROAD
- - - - - PROPOSED ACCESS ROAD



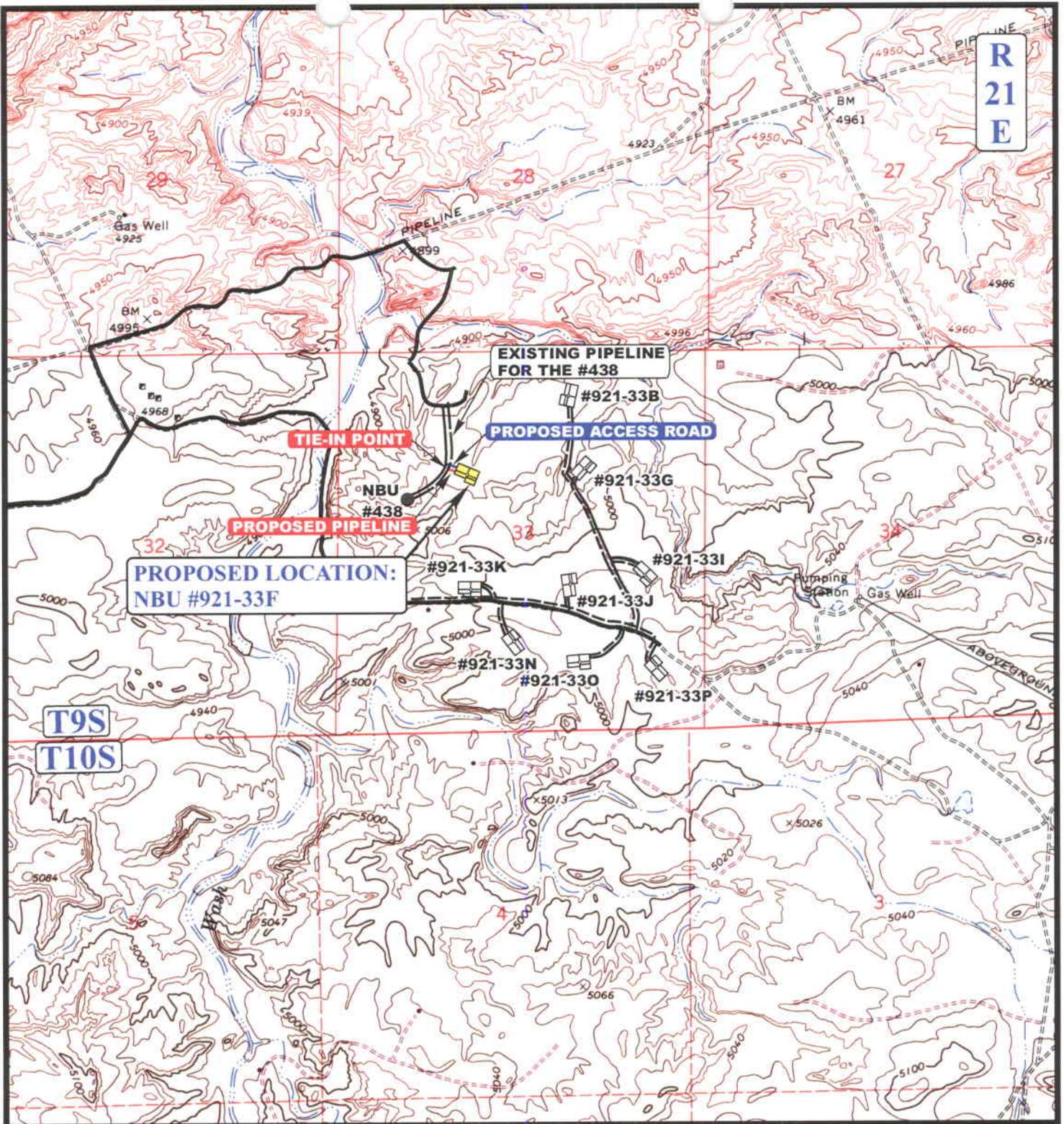
**WESTPORT OIL AND GAS COMPANY, L.P.**

**NBU #921-33F**  
**SECTION 33, T9S, R21E, S.L.B.&M.**  
**1797' FNL 1844' FWL**

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

**TOPOGRAPHIC** **01 13 05**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00 **B**  
 TOPO





APPROXIMATE TOTAL PIPELINE DISTANCE = 65' +/-

**LEGEND:**

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

WESTPORT OIL AND GAS COMPANY, L.P.

NBU #921-33F  
SECTION 33, T9S, R21E, S.L.B.&M.  
1797' FNL 1844' FWL



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

TOPOGRAPHIC  
MAP

01 13 05  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: L.K. REVISED: 00-00-00

D  
TOPO

LOCATION LAYOUT FOR

NBU #921-33F

SECTION 33, T9S, R21E, S.L.B.&M.

1797' FNL 1844' FWL

Existing Grade

Approx. Toe of Fill Slope

F-5.6'  
El. 49.3'

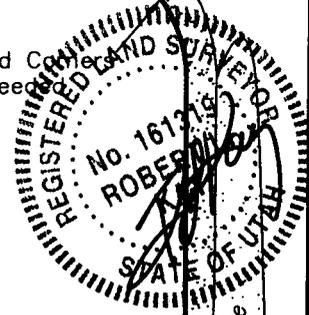
C-2.4'  
El. 57.3'

Proposed Access Road

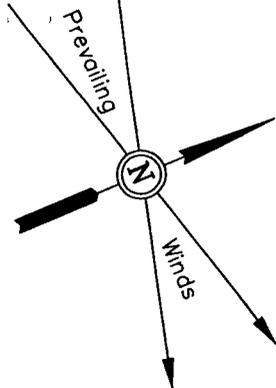
Sta. 3+50

F-1.0'  
El. 53.9'

Round C as Needed



SCALE: 1" = 50'  
DATE: 1-18-05  
Drawn By: E.C.O.



NOTE:

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

Approx. Top of Cut Slope

Pit Topsoil  
C-1.7'  
El. 56.6'

FLARE PIT

Bloole Line

El. 59.9'  
C-15.0'  
(btm. pit)

Reserve Pit Backfill & Spoils Stockpile

15' WIDE BENCH

RESERVE PITS  
(10' Deep)

Total Pit Capacity  
W/2' of Freeboard  
= 15,490 Bbls. ±  
Total Pit Volume  
= 4,280 Cu. Yds.

El. 62.0'  
C-17.1'  
(btm. pit)

A

PIPE TUBS

CATWALK

PIPE RACKS

C-0.8'  
El. 55.7'

RIG

135' Sta. 1+50

F-3.5'  
El. 51.4'

TOILET

TRAILER

WATER TANK

MUD TANKS

DOC HOUSE

LIGHT PLANT

BOILER

COMPRESSOR

BOOSTER

MUD TANKS

PUMP HOUSE

TRASH

PROPANE STORAGE

Sta. 0+50

Existing Drainage

Sta. 0+00

CONSTRUCT DIVERSION DITCH

C-2.9'  
El. 57.8'

C-1.5'  
El. 56.4'

F-3.1'  
El. 51.8'

NOTES:

Elev. Ungraded Ground At Loc. Stake = 4955.7'  
FINISHED GRADE ELEV. AT LOC. STAKE = 4954.9'

# WESTPORT OIL AND GAS COMPANY, L.P.

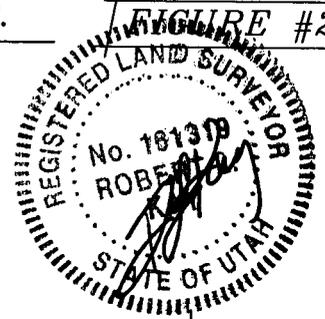
## TYPICAL CROSS SECTIONS FOR

NBU #921-33F

SECTION 33, T9S, R21E, S.L.B.&M.

1797' FNL 1844' FWL

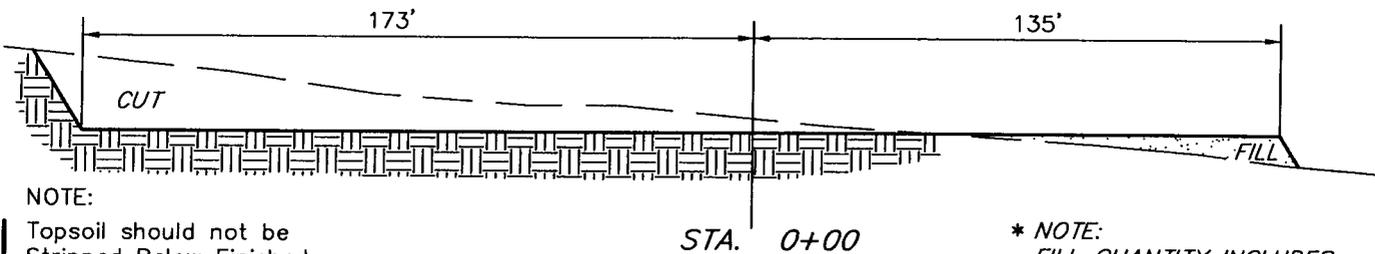
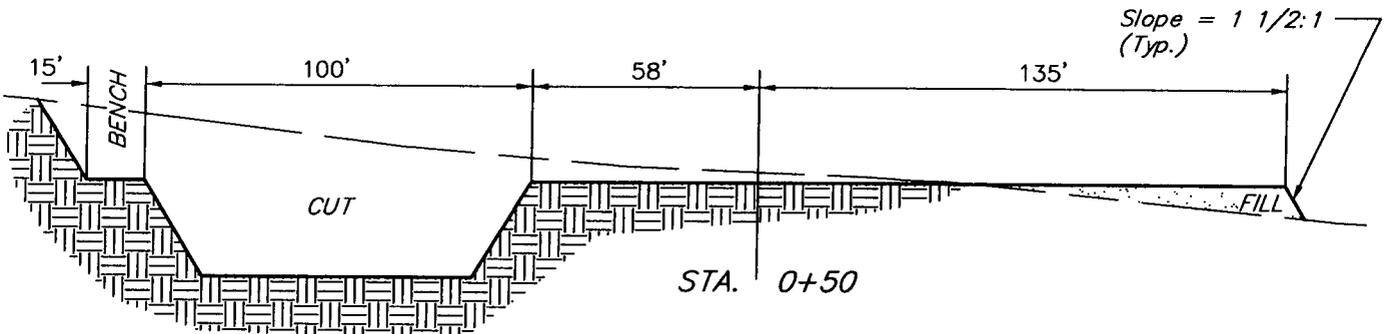
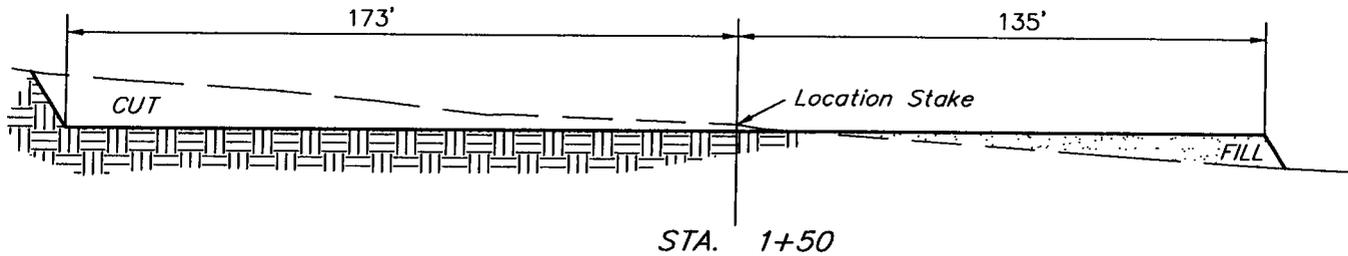
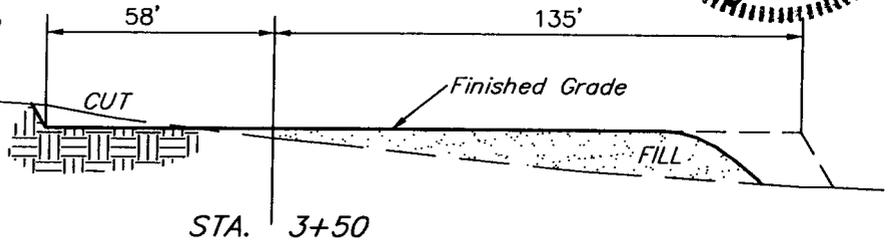
FIGURE #2



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

DATE: 1-18-05  
Drawn By: E.C.O.

Preconstruction Grade



**NOTE:**

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

**\* NOTE:**

FILL QUANTITY INCLUDES 5% FOR COMPACTION

**APPROXIMATE YARDAGES**

<b>CUT</b>	
(6") Topsoil Stripping	= 1,830 Cu. Yds.
Remaining Location	= 8,260 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 10,090 CU.YDS.</b>
<b>FILL</b>	<b>= 5,060 CU.YDS.</b>

EXCESS MATERIAL	= 5,030 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,970 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 1,060 Cu. Yds.

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

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/15/2005

API NO. ASSIGNED: 43-047-36391

WELL NAME: NBU 921-33F

OPERATOR: WESTPORT OIL & GAS CO ( N2115 )

CONTACT: DEBRA DOMENICI

PHONE NUMBER: 435-781-7060

PROPOSED LOCATION:

SENW 33 090S 210E  
SURFACE: 1797 FNL 1844 FWL  
BOTTOM: 1797 FNL 1844 FWL  
UINTAH  
NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DWD	5/9/05
Geology		
Surface		

LEASE TYPE: 3 - State

LEASE NUMBER: STUO-015630-ST

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

LATITUDE: 39.99483

LONGITUDE: -109.5587

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)

LOCATION AND SITING:

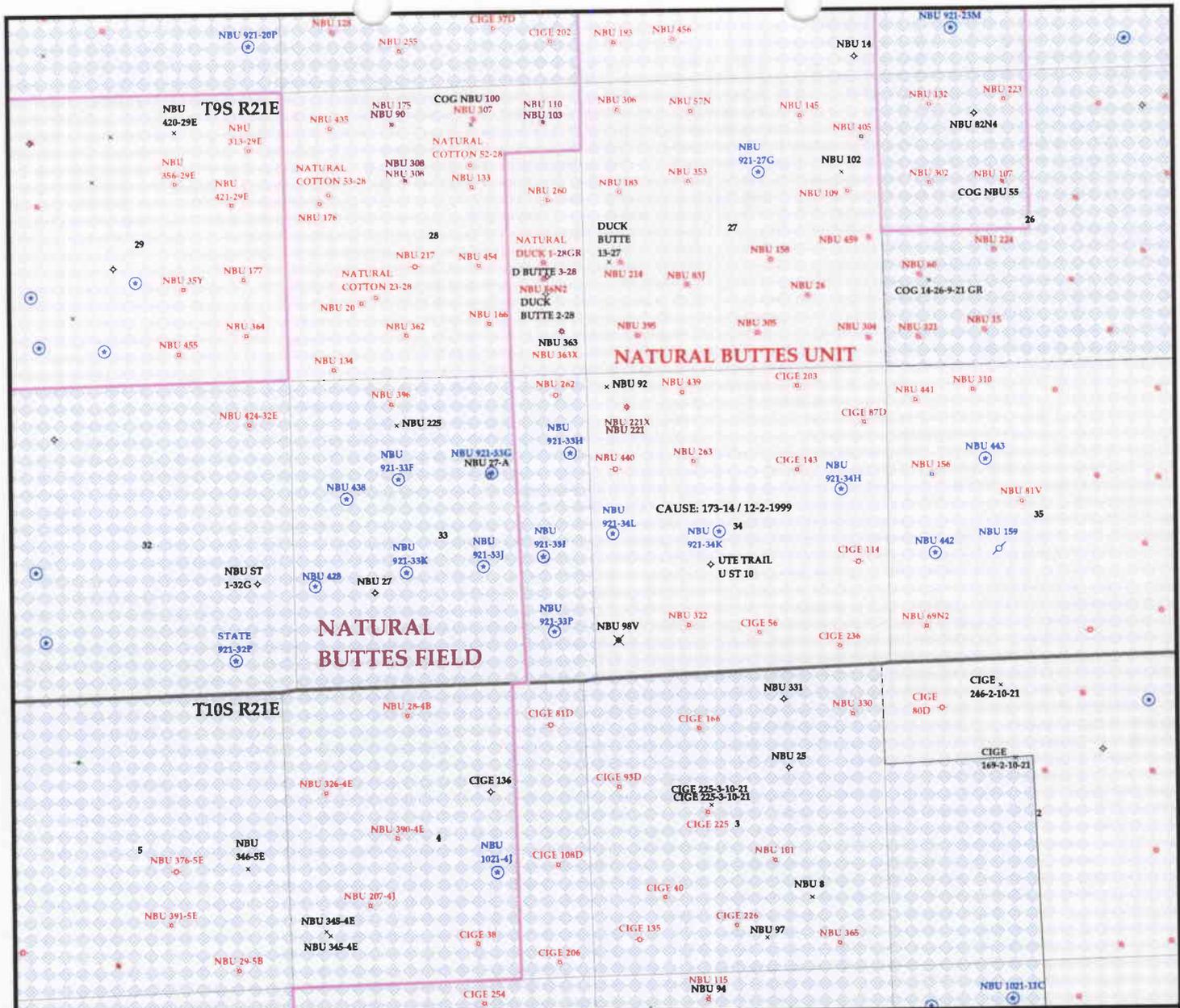
- \_\_\_ R649-2-3.
- Unit NATURAL BUTTES
- \_\_\_ R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- \_\_\_ R649-3-3. Exception
- Drilling Unit  
Board Cause No: 173-14  
Eff Date: 12-2-1999  
Siting: 460' fr u bdr & u n l m m. t r e c t
- \_\_\_ R649-3-11. Directional Drill

COMMENTS:

Needs Pres'n (3/30/05 PJ.)

STIPULATIONS:

① Oil shale  
2- STATEMENT OF BASIS



OPERATOR- WESTPORT O&G CO (N2115)

SEC. 33 & 34 T.9S R.21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999



**Wells**

- ⊕ GAS INJECTION
- ⊙ GAS STORAGE
- × LOCATION ABANDONED
- ⊕ NEW LOCATION
- ⊖ PLUGGED & ABANDONED
- ⊙ PRODUCING GAS
- PRODUCING OIL
- ⊖ SHUT-IN GAS
- ⊖ SHUT-IN OIL
- × TEMP. ABANDONED
- TEST WELL
- ▲ WATER INJECTION
- ⊕ WATER SUPPLY
- ⊖ WATER DISPOSAL

**Units.shp**

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

**Fields.shp**

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



PREPARED BY: DIANA WHITNEY  
DATE: 17-MARCH-2005

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

**OPERATOR:** WESPORT OIL AND GAS COMPANY, L.P.

**WELL NAME & NUMBER:** NBU 921-33F

**API NUMBER:** 43-047-36391

**LEASE:** STUO-015630-ST      **FIELD/UNIT:** Natural Buttes

**LOCATION:** 1/4, 1/4 SENW Sec: 33 TWP: 9S RNG: 21E 1844' FWL 1797' FNL

**LEGAL WELL SITING:** 460 From the unit boundary or uncommitted tracts.

**GPS COORD (UTM):** GPS not working      **SURFACE OWNER:** STATE OF UTAH

**PARTICIPANTS**

Dan J. Jarvis (DOGM), DEBRA DOMENICI (WESTPORT). Robert KAY (UELS).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

The regional setting is generally badlands type topography. Flat mesas with deep cut washes and draws are the predominate features. This site is an area of low rolling hills and shallow draws. No major drainages are in the immediate area of the location. Ouray Utah is approximately 17 miles to the northwest of the location. Cottonwood wash is the major drainage in the area and is approximately 1 mile away. Cottonwood wash is a dry watercourse for most of the year.

**SURFACE USE PLAN**

CURRENT SURFACE USE: Wildlife and livestock grazeing and sport hunting.

PROPOSED SURFACE DISTURBANCE: location will be 350'by 293'. Approximately 20 feet of new access road will be built.

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

LOCATION OF PRODUCTION FACILITIES AND PIPELINES: All production facilities will be on location and constructed after drilling the well. The pipeline will follow the access road.

SOURCE OF CONSTRUCTION MATERIAL: All construction material will be borrowed from site during the construction of the location.

ANCILLARY FACILITIES: None will be required.

WILL DRILLING AT THIS LOCATION GENERATE PUBLIC INTEREST OR CONCERNS? (EXPLAIN): UNLIKELY.

**WASTE MANAGEMENT PLAN:**

Drilled cuttings will be allowed to settle to the bottom of the reserve pit. Liquids from the pit will be allowed to evaporate. Formation water will be confined to storage tanks. Sewage facilities, storage and

general waste disposal will be handled by a commercial contactor. Trash will be contained in trash baskets and hauled to an approved landfill.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: None

FLORA/FAUNA: Sagebrush, Shad scale, Prickly Pear, Cheat Grass, Antelope, Coyotes, Songbirds, Raptors, Rodents, Rabbits.

SOIL TYPE AND CHARACTERISTICS: Light brown sandy clay.

SURFACE FORMATION AND CHARACTERISTICS: Uinta formation consisting of shales and sandstones. There are some ledges on this location, the pit will most likely be built in rock.

EROSION/SEDIMENTATION/STABILITY: Very little natural erosion. Sedimentation and stability are not a problem. Construction of the location will not increase any erosion problems.

PALEONTOLOGICAL POTENTIAL: None observed

**RESERVE PIT**

CHARACTERISTICS: 100' BY 150' AND 10' DEEP.

LINER REQUIREMENTS (Site Ranking Form attached): A plastic liner will be required based on the ranking form, Westport will line the pit with felt and a 20 mil liner as per company policy.

**SURFACE RESTORATION/RECLAMATION PLAN**

As per SITLA.

SURFACE AGREEMENT: As per SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: The site has been surveyed by an archeological consulting firm. No archeological sites were found. A report of this investigation will be placed on file.

**OTHER OBSERVATIONS/COMMENTS**

This presite was conducted on a partly cloudy day with a light breeze. The ground was clear of all snow cover.

**ATTACHMENTS**

Photo taken and placed in file.

Dan Jarvis  
DOGM REPRESENTATIVE

4/5/2005,  
DATE

**Evaluation 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>5</u>
Distance to Surf. Water (feet)		
>1000	0	
300 to 1000	2	
200 to 300	10	
100 to 200	15	
< 100	20	<u>0</u>
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>0</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**            20            (Level III Sensitivity)

Sensitivity Level I = 20 or more; total containment is required.  
Sensitivity Level II = 15-19; lining is discretionary.  
Sensitivity Level III = below 15; no specific lining is required.

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

**OPERATOR:** WESTPORT OIL AND GAS COMPANY, L.P.  
**WELL NAME & NUMBER:** NBU 921-33F  
**API NUMBER:** 43-047-36391  
**LOCATION:** 1/4,1/4 SE/NW Sec: 33 TWP: 9S RNG: 21E 1844' FWL 1797' FNL

**Geology/Ground Water:**

Westport proposes to set 2,500' 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 3,400'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the center of Section 33. 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.

**Reviewer:** Dan Jarvis **Date:** 4/5/2005

**Surface:**

The predrill investigation of the surface was performed on 4/30/2005. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 3/22/05. Neither agency were in attendance. . This site is on State surface with State minerals. This site appears to be the best site for a location in the immediate area. .

**Reviewer:** Dan Jarvis **Date:** 4/5/2005

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

1. A synthetic liner with a minimum thickness of 20 mils and a felt subliner shall be properly installed and maintained in the reserve pit.
2. The entire pad shall be bermed to prevent any fluids from leaving the location.



**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 4/6/2005 4:10:32 PM  
**Subject:** Well Clearance

The following wells have been given cultural resource clearance by the Trust Lands Cultural Resources Group:

Westport Oil & Gas Company

NBU 921-33F  
NBU 921-33G  
NBU 921-33I  
NBU 921-33J  
NBU 921-33K  
NBU 921-33P  
NBU 921-34H  
NBU 921-34K  
NBU 921-34L  
NBU 1022-12I  
NBU 1022-12P  
State 1021-36A  
State 1021-36B  
State 1021-36G  
State 1021-36H  
State 1021-36I  
State 1021-36J  
State 1021-36O  
State 1021-36P

If you have any questions regarding this matter please give me a call.

**CC:** Garrison, LaVonne; Hill, Brad; Hunt, Gil

**Clinton Dworshak - Westport APD(s)**

---

**From:** "Upchego, Sheila" <SUpchego@kmg.com>  
**To:** <clintondworshak@utah.gov>  
**Date:** 4/21/2005 4:27 PM  
**Subject:** Westport APD(s)

---

Hi Clint, attached are the revised Downhole diagrams for the following well locations:

NBU 921-33F, 921-33G, 921-33I, 921-33J, 921-33K, 921-33P, 921-33O, 921-33N;  
NBU 921-34H, 921-34K, 921-34L;  
NBU 922-36B

If you have any questions please feel free to contact me at (435) 781-7024 or Brad Laney at (435) 781-7031.

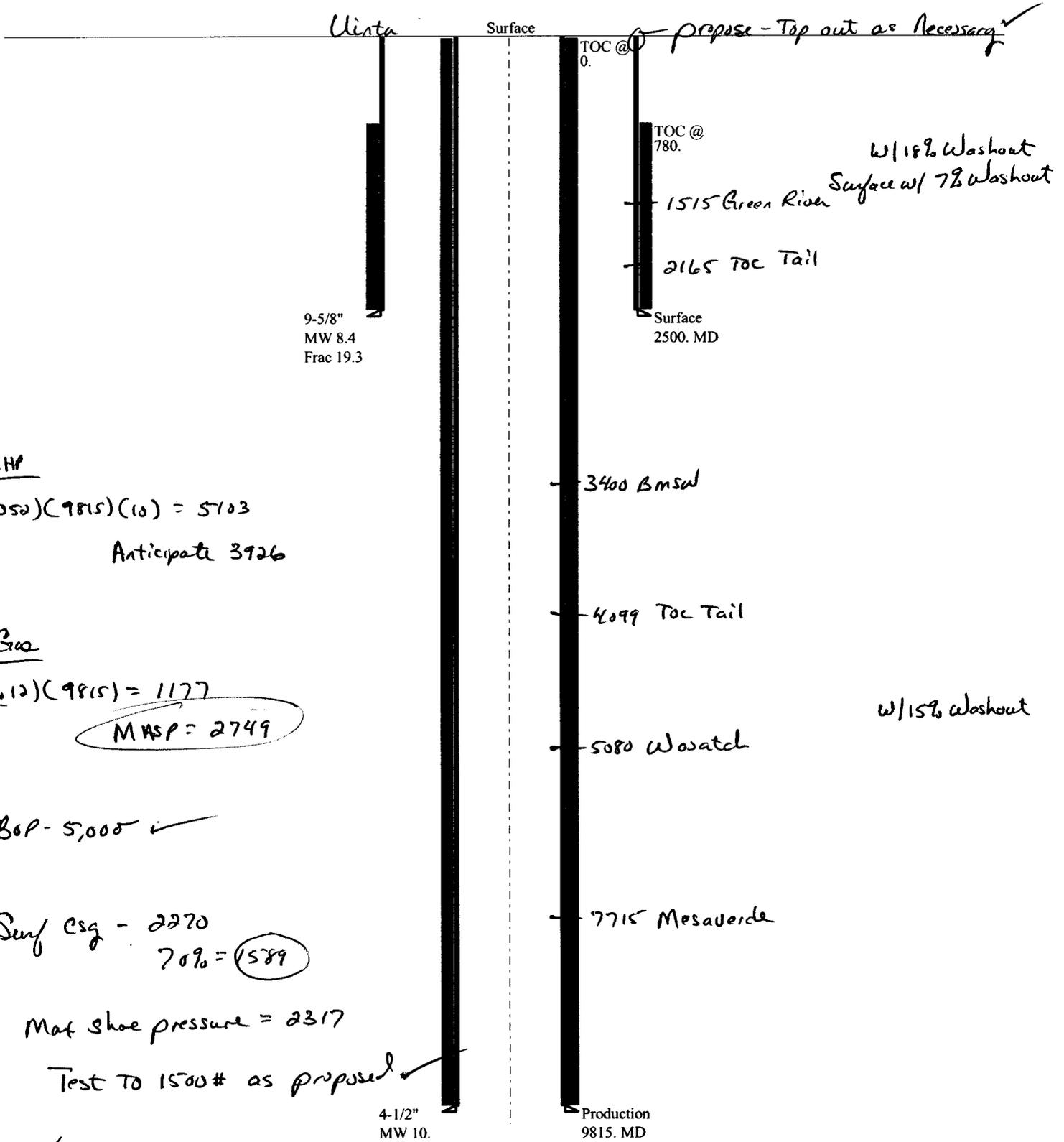
Sheila Upchego <<NBU921-33F\_APD(pipeline).xls>> <<NBU921-33G\_APD(pipeline).xls>> <<NBU921-33I\_APD(pipeline).xls>>  
<<NBU921-33J\_APD(pipeline).xls>> <<NBU921-33K\_APD(pipeline).xls>> <<NBU921-33P\_APD(pipeline).xls>> <<NBU921-  
34H\_APD(pipeline).xls>> <<NBU921-34K\_APD(pipeline).xls>> <<NBU921-34L\_APD(pipeline).xls>> <<NBU921-33O\_APD  
(pipeline).xls>> <<NBU921-33N\_APD(pipeline).xls>> <<NBU922-36B\_DHD\_APD.xls>>

**Important Notice!!**

If you are not the intended recipient of this e-mail message, any use, distribution or copying of the message is prohibited. Please let me know immediately by return e-mail if you have received this message by mistake, then delete the e-mail message.

Thank you.

04-05 Westport NBU 921-F  
Casing Schematic



BHP  
 $(.052)(9815)(10) = 5103$   
 Anticipate 3926

Gao  
 $(.12)(9815) = 1177$   
 MASP = 2749

BOP - 5,000 ✓

Surf csq - 2270  
 70% = 1589

Mat shoe pressure = 2317

Test to 1500# as proposed ✓

✓ Adequate DND 5/9/05

Well name:	<b>04-05 Westport NBU 921-33F</b>	
Operator:	<b>Westport Oil &amp; Gas</b>	Project ID:
String type:	Surface	43-047-36391
Location:	Uintah County	

<b>Design parameters:</b>	<b>Minimum design factors:</b>	<b>Environment:</b>
<b>Collapse</b>	<b>Collapse:</b>	H2S considered? No
Mud weight: 8.400 ppg	Design factor 1.125	Surface temperature: 75 °F
Design is based on evacuated pipe.		Bottom hole temperature: 110 °F
		Temperature gradient: 1.40 °F/100ft
		Minimum section length: 1,500 ft
	<b>Burst:</b>	Cement top: 780 ft
	Design factor 1.00	
<b>Burst</b>		
Max anticipated surface pressure: 2,200 psi	<b>Tension:</b>	Non-directional string.
Internal gradient: 0.120 psi/ft	8 Round STC: 1.80 (J)	
Calculated BHP 2,500 psi	8 Round LTC: 1.80 (J)	
No backup mud specified.	Buttress: 1.60 (J)	
	Premium: 1.50 (J)	
	Body yield: 1.50 (B)	
	Tension is based on buoyed weight.	<b>Re subsequent strings:</b>
	Neutral point: 2,218 ft	Next setting depth: 9,815 ft
		Next mud weight: 10.000 ppg
		Next setting BHP: 5,099 psi
		Fracture mud wt: 19.250 ppg
		Fracture depth: 2,500 ft
		Injection pressure 2,500 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft³)
2	2100	9.625	32.30	H-40	ST&C	2100	2100	8.876	133.1
1	400	9.625	36.00	J-55	LT&C	2500	2500	8.796	28.5

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
2	916	1368	1.492	2452	2270	0.93	72	254	3.52 J
1	1091	2020	1.852	2500	3520	1.41	4	453	99.99 J

Prepared by: Clinton Dworshak  
 Utah Div. of Oil & Mining  
 Phone: 801-538-5280  
 FAX: 801-359-3940  
 Date: April 22, 2005  
 Salt Lake City, Utah

Remarks:  
 Collapse is based on a vertical depth of 2500 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>04-05 Westport NBU 921-33F</b>	
Operator:	<b>Westport Oil &amp; Gas</b>	Project ID:
String type:	Production	43-047-36391
Location:	Uintah County	

**Design parameters:**

**Collapse**  
 Mud weight: 10.000 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: 212 °F  
 Temperature gradient: 1.40 °F/100ft  
 Minimum section length: 1,500 ft

**Burst**

Max anticipated surface pressure: 1,787 psi  
 Internal gradient: 0.337 psi/ft  
 Calculated BHP 5,099 psi

No backup mud specified.

**Burst:**  
 Design factor 1.00

Cement top: Surface

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

Non-directional string.

Tension is based on buoyed weight.  
 Neutral point: 8,348 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	9815	4.5	11.60	M-80	LT&C	9815	9815	3.875	227.5
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	5099	6350	1.245	5099	7780	1.53	97	267	2.76 B

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

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

Date: April 22, 2005  
 Salt Lake City, Utah

Remarks:  
 Collapse is based on a vertical depth of 9815 ft, a mud weight of 10 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 10, 2005

Westport Oil & Gas Company, LP  
1368 South 1200 East  
Vernal, Utah 84078

Re: Natural Buttes Unit 921-33F Well, 1797' FNL, 1844' FWL, SE NW, Sec. 33,  
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-36391.

Sincerely,

Gil Hunt  
Acting Associate Director

pab  
Enclosures

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

**Operator:** Westport Oil & Gas Company, LP  
**Well Name & Number** Natural Buttes Unit 921-33F  
**API Number:** 43-047-36391  
**Lease:** STUO-015630-ST

**Location:** SE NW                      **Sec.** 33                      **T.** 9 South                      **R.** 21 East

**Conditions of Approval**

**1. General**

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

**2. Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following 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)**

Page 2  
API #43-047-36391  
May 10, 2005

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.

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

FORM 6

**ENTITY ACTION FORM**

Operator: Westport Oil + Gas N 2115  
KERR Mc GEE 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
4304736391	NBU 921-33F		SENW	33	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date			Entity Assignment Effective Date	
B	99999	2900	4/25/2006			4/27/06	
Comments: MIRU PETE MARTIN BUCKET RIG. <u>WSTMVD</u> SPUD WELL LOCATION ON 04/25/2006 AT 1400 HRS. <span style="float:right">— K</span>							

Well 2

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

Well 3

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

**ACTION CODES:**

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

(5/2000)

To <u>ERLENE RUSSELL</u>	From <u>SHEILA UPCHEGO</u>
Co./Dept <u>UT DDM</u>	Co. <u>KERR Mc GEE OIL &amp; GAS</u>
Phone <u>(801) 538-5334</u>	Phone <u>(435) 781-7024</u>
Fax <u>(801) 359-3944</u>	Fax <u>(435) 781-7094</u>

SHEILA UPCHEGO

Name (Please Print) \_\_\_\_\_  
 Signature [Handwritten Signature]  
 REGULATORY ANALYST Date 4/27/2006  
 Title \_\_\_\_\_

RECEIVED

APR 24 2006

# DIVISION OF OIL, GAS AND MINING

## SPUDDING INFORMATION

Name of Company: WESTPORT OIL & GAS COMPANY LP

Well Name: NBU 921-33F

Api No: 43-047-36391 Lease Type: STATE

Section 33 Township 09S Range 21E County UINTAH

Drilling Contractor PETE MARTIN'S RIG # BUCKET

### SPUDDED:

Date 04/25/06

Time 2:00 PM

How DRY

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

Reported by LOU WELDON

Telephone # (435) 828-7035

Date 04/27/2006 Signed CHD

RECEIVED

APR 17 2005

FORM 9

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
STUO-015630-ST

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

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

7. UNIT or CA AGREEMENT NAME:

NATURAL BUTTES UNIT

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:

NBU 921-33F

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

9. API NUMBER:

4304736391

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

PHONE NUMBER:  
(435) 781-7003

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1797' FNL 1844' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 33 9S 21E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (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 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: DOGM APD EXTENSION
	<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 OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION. SO THAT THE DRILLING OPERATIONS MAY BE COMPLETED. THE ORIGINAL APD WAS APPROVED BY THE DIVISION OF OIL, GAS & MINING MAY 10, 2005.

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

NAME (PLEASE PRINT) RAMEY HOOPES

TITLE REGULATORY CLERK

SIGNATURE *Ramey Hoopes*

DATE 4/11/2006

(This space for State use only)

ACCEPTED BY BLM FOR  
UNIT PURPOSES ONLY

MAY 08 2006 MAY - 2 2006

UDOGM

(See Instructions on Reverse Side)

**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>STUO-015630-ST</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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>NATURAL BUTTES UNIT</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		8. WELL NAME and NUMBER: <b>NBU 921-33F</b>
3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		9. API NUMBER: <b>4304736391</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1797'FNL, 1844'FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENW 33 9S 21E</b>		COUNTY: <b>UINTAH</b>
		STATE: <b>UTAH</b>

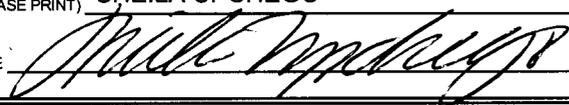
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> 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: <u>WELL SPUD</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

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

**SPUD WELL LOCATION ON 04/25/2006 AT 1400 HRS.**

**RECEIVED**  
**MAY 2 2006**  
**DIV. OF OIL, GAS & MINING**

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>REGULATORY ANALYST</b>
SIGNATURE 	DATE <b>4/27/2006</b>

(This space for State use only)

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>STUO-015630-ST</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		7. UNIT or CA AGREEMENT NAME: <b>UNIT #891008900A</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1797'FNL, 1844'FWL</b>		8. WELL NAME and NUMBER: <b>NBU 921-33F</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENW 33 9S 21E</b>		9. API NUMBER: <b>4304736391</b>
COUNTY: <b>UINTAH</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</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
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	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>SET SURFACE CSG</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

MIRU BILL MARTIN AIR RIG ON 05/02/2006. DRILLED 12 1/4" SURFACE HOLE TO 2560'. 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. TAIL CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. ABOUT 1/2 RETURNS TO PIT NOT CMT TO SURFACE. RAN 200' OF 1" PIPE, CMT W/100 SX CLASS G @15.8 PPG 1.15 YIELD, NO CMT TO SURFACE. 2ND TOP OUT W/150 SX CLASS G @15.8 PPG 1.15 YIELD. CMT TO SURFACE HOLE STAYED FULL.

WORT

**RECEIVED**

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>REGULATORY ANALYST</b>
SIGNATURE	DATE <b>5/5/2006</b>

(This space for State use only)

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

**ROUTING**

- |        |
|--------|
| 1. DJJ |
| 2. CDW |

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective: **1/6/2006**

<b>FROM:</b> (Old Operator): N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024	<b>TO:</b> ( New Operator): N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024
-----------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------

WELL NAME	CA No.	Unit:	NATURAL BUTTES UNIT					
	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- If **NO**, the operator was contacted on:
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a 3 LA wells & all PA wells transferred
- Reports current for Production/Disposition & Sundries on: ok

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet

7. **Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006

8. **Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
 The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEE ATTACHED**

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006. KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203  
 BIA BOND = RLB0005239

APPROVED 5116106

*Earlene Russell*  
 Division of Oil, Gas and Mining  
 Earlene Russell, Engineering Technician

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

Name (Printed/Typed) <b>RANDY BAYNE</b>	Title <b>DRILLING MANAGER</b>
Signature <i>Randy Bayne</i>	Date <b>May 9, 2006</b>

THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**SUNDRY NOTICES AND REPORTS ON WELLS**

*Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.*

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
**WESTPORT OIL & GAS COMPANY L.P.**

3a. Address  
**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**SEE ATTACHED**

5. Lease Serial No.  
**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal
			<input type="checkbox"/> Water Shut-Off
			<input type="checkbox"/> Well Integrity
			<input checked="" type="checkbox"/> Other <b>CHANGE OF OPERATOR</b>

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

**APPROVED** 5/16/06  
*Earlene Russell*  
 Division of Oil, Gas and Mining  
 Earlene Russell, Engineering Technician

RECEIVED  
 MAY 10 2006

DIV OF OIL, GAS & MINING

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

Name (Printed/Typed) <b>BRAD LANEY</b>	Title <b>ENGINEERING SPECIALIST</b>
Signature	Date <b>May 9, 2006</b>

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by <i>Brad Laney</i>	Title	Date <b>5-9-06</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office		

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**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>STUO-015630-ST</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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>UNIT #891008900A</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL &amp; GAS ONSHORE LP</b>		8. WELL NAME and NUMBER: <b>NBU 921-33F</b>
3. ADDRESS OF OPERATOR: 1368 S 1200 E	CITY: <b>VERNAL</b> STATE: <b>UT</b> ZIP: <b>84078</b>	9. API NUMBER: <b>4304736391</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1797'FNL, 1844'FWL</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENW 33 9S 21E</b>		COUNTY: <b>UINTAH</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 <small>(Submit in Duplicate)</small> Approximate date work will start: _____	<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 type="checkbox"/> PRODUCTION (START/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"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: <b>FINAL DRILLING OPERATIONS</b>

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

**FINISHED DRILLING FROM 2560' ON 06/08/2006. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/541 SX PREM LITE II @11.6 PPG 2.73 YIELD. TAILED CMT W/1204 SX 50/50 POZ @14.3 PPG 1.31 YIELD. SET CSG SLIPS W/80K CUT CSG. CLEAN MUD TANKS.**

**RELEASED ENSIGN RIG 83 ON 06/10/2006 AT 0300 HRS.**

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>REGUALTORY ANALYST</b>
SIGNATURE	DATE <b>6/12/2006</b>

(This space for State use only)

**RECEIVED**  
**JUN 20 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>STUO-015630-ST</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.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: <b>UNIT# 89008900-A</b>
2. NAME OF OPERATOR: <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>		8. WELL NAME and NUMBER: <b>NBU 921-33F</b>
3. ADDRESS OF OPERATOR: <b>1368 SOUTH 1200 EST</b> CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>		9. API NUMBER: <b>4304736391</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1797' FNL 1844' FWL</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SENW 33 9S 21E</b>		10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b> COUNTY: <b>UINTAH</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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only)  Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <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 6/22/06 AT 4:00 PM.**

**PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.**

NAME (PLEASE PRINT) <u>RAMEY HOOPES</u>	TITLE <u>REGULATORY CLERK</u>
SIGNATURE <u><i>Ramey Hoopes</i></u>	DATE <u>6/27/2006</u>

(This space for State use only)

**RECEIVED**  
**JUL 25 2006**

**KERR MCGEE OIL AND GAS ONSHORE LP**

**CHRONOLOGICAL HISTORY**

**NBU 921-33F**

UINTAH COUNTY, UT

	SPUD	Surface Casing	Activity	Status
04/03/06			Build Location, 10% complete	Caza 83
04/04/06			Build Location, 10% complete	Caza 83
04/05/06			Build Location, 10% complete	Caza 83
04/06/06			Build Location, 10% complete	Caza 83
04/07/06			Build Location, 20% complete	Caza 83
04/10/06			Build Location, 40% complete	Caza 83
04/13/06			Build Location, 40% complete	Caza 83
04/17/06			Build Location, 45% complete	Caza 83
04/18/06			Build Location, 55% complete	Caza 83
04/19/06			Build Location, 65% complete	Caza 83
04/20/06			Build Location, 75% complete	Caza 83
04/21/06			Build Location, 85% complete	Caza 83
04/24/06			Location complete, WOBR	Caza 83
05/01/06	04/25/06		Set conductor, WOAR	Caza 83
05/08/06	05/02/06	9 5/8" @ 2538'	WORT	Caza 83
05/14/06	05/02/06	9 5/8" @ 2538'	Ring in, WORT	Caza 83
05/30/06	TD: 2560'	Csg. 9 5/8" @ 2539'	MW: 8.4 SD: 5/XX/06	DSS: 0 Move rig f/ NBU 921-34K. 100% moved and 65% rigged up @ report time.
05/31/06	TD: 2560'	Csg. 9 5/8" @ 2539'	MW: 8.4 SD: 5/XX/06	DSS: 0 Finish rig up. NU and test BOPE. PU BHA and DP. Prep to drill cmt and FE @ report time.

6/1/06 TD: 4624' Csg. 9 5/8" @ 2539' MW: 8.4 SD: 5/31/06 DSS: 1  
Drill cmt and FE. Drill and survey f/ 2560'-4624'. DA @ report time.

06/02/06 TD: 6596' Csg. 9 5/8" @ 2539' MW: 8.4 SD: 5/31/06 DSS: 2  
Drill and survey f/ 4624'-6596'. DA @ report time.

06/05/06 TD: 8563' Csg. 9 5/8" @ 2539' MW: 11.5 SD: 5/31/06 DSS: 5  
Drill f/ 6596'-8401'. Gained 25 bbls so inc MW to 11.5. Drill to 8563'. DA @ report time.

06/06/06 TD: 9021' Csg. 9 5/8" @ 2539' MW: 11.7 SD: 5/31/06 DSS: 6  
Drill f/ 8563'-8784'. TFNB and MM. Drill to 9021'. DA @ report time.

06/07/06 TD: 9459' Csg. 9 5/8" @ 2539' MW: 12.1 SD: 5/31/06 DSS: 7  
Drill from 9021'-9459'. DA @ report time.

06/08/06 TD: 9550' Csg. 9 5/8" @ 2539' MW: 12.1 SD: 5/31/06 DSS: 8  
Drill from 9459'-9550' TD. Short trip to top of Wasatch. CCH and POOH for logs @  
report time.

06/09/06 TD: 9550' Csg. 9 5/8" @ 2539' MW: 12.1 SD: 5/31/06 DSS: 9  
Finish TOOH and run logs to TD. TIH and CCH. LDDP @ report time.

06/12/06 TD: 9550' Csg. 9 5/8" @ 2539' MW: 12.1 SD: 5/31/06 DSS: 9  
Finish LDDP. Run and cement 4 1/2" Production Casing. Set slips and release rig @ 0300  
hrs 6/10/06. RDRT and move to State 921-32M.

06/16/06 06/16/06 PROG: 7:00 a.m. HSM  
MAKE RIG REPAIRS (RIG DRIVE LINE) ROAD RIG & EQUIP F/ NBU 921-34K TO LOC. MIRU.  
NDWH. NUBOPE. PREP & TALLY 2 3/8" L-80 8RD TBG. P/U 3 7/8" MILL, BIT SUB, & RIH P/U  
TBG OFF TRAILER. EOT @ 8661'. SWI.

06/17/06 06/17/06 PROG: 7:00 A.M. HSM  
CONT TO RIH P/U TBG OFF TRAILER. TAG PBTD @ 9460' (30' RAT HOLE). R/U PMP & LINES.  
REV CIRC WELL CLEAN W/ 50 BBLs 2% KCL. R/D PMP. POOH L/D 26 JTS ON TRAILER. CONT  
TO POOH. L/D BIT & BIT SUB. NDBOPE. NU FRAC VLV'S. MIRU B&C QUICK TST PSI TST  
CSG & FRAC VALVES TO 7500#, (HELD). PREP TO FRAC MONDAY A.M. SWI. SDFWE

06/19/06 PROG: MIRU CUTTERS & SCHLUMBERGER

STAGE #1 RIH W/3,3/8 GUN 23 GM .35 HOLES PERF @ 9336'-40' 9426'-32' 4 SPF BRK  
PERF @ 4750# INJ RT 60 BPM INJ PSI 5500# ISIP 3600# FG .82 FRAC W/ 24000# 20/40  
SAND + 939 BBL SLICK WATER MP 7373# MR 49.7 BPM AP 5145# AR 42.3 BPM ISIP  
3650# FG .83 NPI 50#

STAGE #2 RIH SET 8K CBP @ 9264' PERF @ 9068'-70' 4 SPF 9110'-12' 3 SPF 9146'-48' 4 SPF  
9190'-93' 4 SPF 9231'-34' 4 SPF BRK PERF @ 3640# INJ RT 50 BPM INJ PSI 5400# ISIP  
2600# FG .73 FRAC W/ 110200# 20/40 SAND + 3588 BBL SLICKWATER MP 7423# MR 49.7  
BPM AP 4846# AR 48.8 BPM ISIP 3100# FG .77 NPI 500#

STAGE #3 RIH SET 8K CBP @ 8639' PERF @ 8580'-84' 8608'-9' 4 SPF BRK PERF @ 7500#  
INJ RT 51 BPM INJ PSI 5900# ISIP 3150# FG .80 FRAC W/ 26300# 20/40 SAND + 843 BBL  
SLICKWATER MP 7030# MR 51.9 AP 5199# AR 46.4 BPM ISIP 3200# FG .81 NPI 50#

STAGE #4 RIH SET 8K CBP @ 8512' PERF @ 8374'-77' 3 SPF 8424'-28' 4 SPF 8478'-82' 4 SPF BRK PERF @ 5300# INJ RT 50.5 BPM INJ PSI 5500# ISIP 2500# FG .73 FRAC W/ 88200# 20/40 SAND + 2422 BBL SLICKWATER MP 6709# MR 51.1 BPM AP 4750# AR 49.4 ISIP 2900# FG .78 NPI 400#

STAGE #5 RIH SET 8K CBP @8343' PERF @ 8165'-68' 4 SPF 8216'-18' 4 SFRP 8272'-76' 3 SPF 8310'-13' 4 SPF SDFN

06/20/06

PROG: STAGE #5 BRK PERF @ 2440# INJ RT 51 BPM IJN PSI 5100# ISIP 2150# FG .69 FRAC W/ 68500# 20/40 SAND + 1935 BBL SLICKWATER MP 5629# MR 55.3 BPM AP 4474# AR 48.4 BPM ISIP 2900# FG .79 NPI 750#

STAGE #6 RIH SET 8K CBP @ 8104' PERF @ 7974'-78' 4 SPF 8010'-13' 3 SPF 8070'-74' 4 SPF BRK PERF @ 2579# INJ RT 51 BPM INJ PSI 4700# ISIP 2000# FG .68 FRAC W/ 102200# 20/40 SAND + 2755 BBL SLICKWATER MP 5444# MR 53.1 BPM AP 4262# AR 49.9 BPM ISIP 2900# NPI 900#

STAGE #7 RIH SETR 8K CBP @ 7760' PERF @ 7690'-96' 4 SPF 7726'-30' 4 SPF BRK PERF @ 2252# INJ RT 50BPM INJ PSI 4700# ISIP 1700# FG .65 FRAC W/ 59144# 20/40 SAND + 1545 BBL SLICKWATER MP 4911# MR 50 BPM AP 3828# AR 49.6 BPM ISIP 2500# FG .76 NPI 800#

RIH SET 8K CBP @ 7590' RIG DOWN CUTTERS & SCHLUMBERGER MAKE UP BIT POBS ON 2,3/8 RIH TAG @ 7590' RIH UP DRILG EQUIP

06/21/06

PROG: DRILL OUT CBP @ 7590' 800# KICK RIH TAG @ 7730' 30 SAND ON CBP DRILL OUT SAND & CBP @ 7760' 900# KICK RIH TAG @ 8062' 40' SAND ON PLUG DRILL OUT SAND & CBP @ 8102' 700# KICK RIH TAG @ 8318' 30' SAND ON CBP DRILL OUT SAND & PLUG @ 8348' 500# KICK RIH TAG @ 8477' 30' SAND ON PLUG DRILL OUT SAND & CBP @ 8507' 500# KICK RIH TAG 8610' 30' SAND ON PLUG DRILL OUT SAND & CBP 8640' 600# KICK RIH TAG @ 9596' 30' SAND ON CBP DRILG OUT SAND & CBP @ 9264' 200# KICK C/O TO 9490' POOH & LAY DOWN 30 JTS 2,3/8 TBG LAND ON WELLHEAD W/ 269 JTS EOT 8522.09' NIPPLE DOWN BOP NIPPLE UP TREE PUMP OFF BIT RIG DOWN TRUN WELL TO FLOW BACK CREW MOVE

TBG DETAIL

KB	17.00
HANGER	1.00
269 JTS 2,3/8 L-80	8502.96
S/N F-EDDIE	2.13
EOT	8522.09

WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1700#, TP: 1950, 20/64 CHK, 50 BWPH, 19 HRS, SD: TRACE, TTL BBLs FLWD: 900 BBLs, TODAYs LTR: 11327 BBLs, LOAD REC TODAY: 900 BBLs, REMAINING LTR: 10427 BBLs, TOTAL LOAD REC TO DATE: 900 BBLs.

06/22/06

PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1700#, TP: 2150, 20/64 CHK, 40 BWPH, 24 HRS, SD: TRACE, TTL BBLs FLWD: 1030 BBLs, TODAYs LTR: 10427 BBLs, LOAD REC TODAY: 1030 BBLs, REMAINING LTR: 9397 BBLs, TOTAL LOAD REC TO DATE: 1930 BBLs.

**06/23/06**

06/24/06 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1700#, TP: 2200, 20/64 CHK, 30 BWPH, 24 HRS, SD: TRACE, TTL BBLs FLWD: 790 BBLs, TODAY'S LTR: 9397 BBLs, LOAD REC TODAY: 790 BBLs, REMAINING LTR: 8607 BBLs, TOTAL LOAD REC TO DATE: 2720 BBLs.

06/25/06 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1725#, TP: 2225, 20/64 CHK, 24 BWPH, 24 HRS, SD: TRACE, TTL BBLs FLWD: 624 BBLs, TODAY'S LTR: 8607 BBLs, LOAD REC TODAY: 624 BBLs, REMAINING LTR: 7983 BBLs, TOTAL LOAD REC TO DATE: 3344 BBLs.

06/26/06 PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1750#, TP: 2200, 20/64 CHK, 18 BWPH, 24 HRS, SD: CLEAN, TTL BBLs FLWD: 446 BBLs, TODAY'S LTR: 7983 BBLs, LOAD REC TODAY: 446 BBLs, REMAINING LTR: 7537 BBLs, TOTAL LOAD REC TO DATE: 3790 BBLs.

**06/26/06**

WELL WENT ON SALES: 06/22/06, 4:00 P.M., 750 MCF, 20/64 CHK, SICP: 2000 #. FTP: 2000 #, 45 BWPH.

**ON SALES**

06/22/06: 289 MCF, 0 BC, 960 BW, TP: 2150#, CP: 1700#, 20/64 CHK, 12 HRS, LP: 100#.  
06/23/06: 1131 MCF, 0 BC, 720 BW, TP: 2200#, CP: 1700#, 20/64 CHK, 24 HRS, LP: 107#.  
06/24/06: 1415 MCF, 0 BC, 576 BW, TP: 2225#, CP: 1725#, 20/64 CHK, 24 HRS, LP: 107#.

**06/27/06**

**ON SALES**

06/25/06: 1590 MCF, 0 BC, 432 BW, TP: 1750#, CP: 2200#, 20/64 CHK, 24 HRS, LP: 116#.

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**STUO-015630-ST**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

8. WELL NAME and NUMBER:  
**NBU 921-33F**

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

9. API NUMBER:  
**4304736391**

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

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

4. LOCATION OF WELL (FOOTAGES)  
AT SURFACE: **1797'FNL, 1844'FWL**  
  
AT TOP PRODUCING INTERVAL REPORTED BELOW:  
  
AT TOTAL DEPTH:

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:  
**SENW 33 9S, 21E**

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

14. DATE SPUNDED: **4/25/2006** 15. DATE T.D. REACHED: **6/8/2006** 16. DATE COMPLETED: **6/22/2006** ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL):  
**4956'GL**

18. TOTAL DEPTH: MD **9,550** TVD \_\_\_\_\_ 19. PLUG BACK T.D.: MD **9,490** TVD \_\_\_\_\_

21. DEPTH BRIDGE MD \_\_\_\_\_ PLUG SET: TVD \_\_\_\_\_

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

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL	36.7#		40		28			
12 1/4"	9 5/8 H-40	32.3# 36#		2,560		680			
7 7/8"	4 1/2 I-80	11.6#		9,550		1745			

**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	8,523							

**26. PRODUCING INTERVALS**

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESAVERDE	7,690	9,432		
(B)				
(C)				
(D)				

**27. PERFORATION RECORD**

INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
7,690 9,432	0.35	292	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
			Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
7690'-9432'	PMP 14,027 BBLs SLICK H2O & 478,544# 20/40 SD

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS  GEOLOGIC REPORT  DST REPORT  DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION  CORE ANALYSIS  OTHER: \_\_\_\_\_

30. WELL STATUS:  
**PROD**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/22/2006		TEST DATE: 7/15/2006		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL - BBL: 0	GAS - MCF: 2,153	WATER - BBL: 802	PROD. METHOD: FLOWING
CHOKE SIZE: 19/64	TBG. PRESS. 1,703	CSG. PRESS. 2,629	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 2,153	WATER - BBL: 802	INTERVAL STATUS: PROD	

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →		OIL - BBL:	GAS - MCF:	WATER - BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL:	GAS - MCF:	WATER - BBL:	INTERVAL STATUS:	

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

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

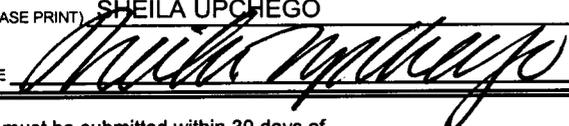
Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,854 7,669	7,669			

34. FORMATION (Log) MARKERS:

35. ADDITIONAL REMARKS (Include plugging procedure)

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

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST  
 SIGNATURE  DATE 7/19/2006

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

RECEIVED

AUG 01 2006

DIV. OF OIL, GAS & MINING



Kerr-McGee Oil & Gas Onshore LP  
1999 Broadway, Suite 3700  
Denver, CO 80205

February 28, 2007

Division of Oil, Gas and Mining  
Attn: Gil Hunt  
P.O. Box 145801  
Salt Lake City, Utah 84114-5801

43 · 047 · 36391  
RE: Water Disposal Well proposal NBU 921-33F SWD  
1762' FNL, 1755' FWL (SE/4NW/4) Sec 33-9S-21E  
Uintah County, Utah  
Natural Buttes Unit

Dear Mr. Hunt,

Kerr-McGee Oil & Gas Onshore LP proposes to drill the NBU 921-33F SWD well to the Bird's Nest of the Green River formation using the existing NBU 921-33F well pad. The well is owned by Kerr-McGee 100%. We must notify all owners within one-quarter mile of the well site prior to filing the UIC. Please feel free to contact me at (720) 264-6698 should you have any questions. Thank you for your assistance.

Sincerely,

Beau Colligan  
Landman

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

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

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
STUO-015630-ST

**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# 89008900-A

1. TYPE OF WELL OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
NBU 921-33F

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

9. API NUMBER:  
4304736391

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

PHONE NUMBER:  
(435) 781-7003

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1797' FNL 1844' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SE NW 33 9S 21E

STATE: UTAH

**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 checked="" type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>RTS - Remedial Concept</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR

Date: 11.13.2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE *Sheila Upchego*

DATE 11/6/2008

(This space for State use only)

**APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING**  
DATE: 11/10/08  
BY: *[Signature]*

Federal Approval Of This  
Action Is Necessary

**RECEIVED**  
NOV 10 2008  
DIV. OF OIL, GAS & MINING

## APPENDIX F

### CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-33F (API 43-047-36391) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1645'-1970':

Perforate 1942' and 1674' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1900'  
Conduct RTS to prove fluid confinement above 1970'  
Release Packer  
Reset RPB at 1750' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1645'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1942' and 1674' and return well to production status.

CORRECTIVE ACTION for NBU 396 (API 43-047-34480) - Cement Bond Log (RTS): to prove fluid confinement within the proposed injection interval 1660'-1981':

Set RPB at 5300'  
Run CBL from 5300' - Surface  
Remedial Activity will be contingent upon CBL Results

CORRECTIVE ACTION for NBU 438 (API 43-047-34787) - Radioactive Tracer Survey (RTS): to prove fluid confinement within the proposed injection interval 1653'-1966':

Set RPB at 2600' w/ 10' sand on top and test to 3000 psi.  
Perforate 4-1/2" casing at 2450 and establish circulation thru perfs from 2450' - Surface  
Set CICR at 2400' and establish circulation thru perfs from 2450' - Surface  
Cement 4-1/2" x 9-5/8" annulus from 2450' - Surface  
Sting out CICR, Circulate 4-1/2" casing clean, and WOC  
Perforate 1940' and 1670' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1900'  
Conduct RTS to prove fluid confinement above 1966'  
Release Packer  
Reset RPB at 1700' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1653'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1940' and 1670' and return well to production status.

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
STUO-015630-ST

**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# 89008900-A

1. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER \_\_\_\_\_

8. WELL NAME and NUMBER:  
NBU 921-33F

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

9. API NUMBER:  
4304736391

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

PHONE NUMBER:  
(435) 781-7003

10. FIELD AND POOL, OR WILDCAT:  
NATURAL BUTTES

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: 1797' FNL 1844' FWL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 33 9S 21E

STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input checked="" 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: Remedial work
	<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.

KERR MCGEE OIL AND GAS ONSHORE LP REQUESTS TO COMMENCE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778.

PLEASE SEE ATTACHED.

COPY SENT TO OPERATOR

Date: 11.26.2008

Initials: KS

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE *Sheila Upchego MR*

DATE 11/6/2008

(This space for State use only)

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 11/25/08  
BY: *D. St. Louis*

(5/2000)

RECEIVED

NOV 12 2008

DIV. OF OIL, GAS & MINING

## APPENDIX F

### CORRECTIVE ACTION REQUIREMENTS

CORRECTIVE ACTION for NBU 921-33F (API 43-047-36391) - Radioactive Tracer Survey (RTS) to prove fluid confinement within the proposed injection interval 1645'-1970':

Perforate 1942' and 1674' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1900'  
Conduct RTS to prove fluid confinement above 1970'  
Release Packer  
Reset RPB at 1750' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1645'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1942' and 1674' and return well to production status.

CORRECTIVE ACTION for NBU 396 (API 43-047-34480) - Cement Bond Log (RTS): to prove fluid confinement within the proposed injection interval 1660'-1981':

Set RPB at 5300'  
Run CBL from 5300' - Surface  
Remedial Activity will be contingent upon CBL Results

CORRECTIVE ACTION for NBU 438 (API 43-047-34787) - Radioactive Tracer Survey (RTS): to prove fluid confinement within the proposed injection interval 1653'-1966':

Set RPB at 2600' w/ 10' sand on top and test to 3000 psi.  
Perforate 4-1/2" casing at 2450 and establish circulation thru perfs from 2450' - Surface  
Set CICR at 2400' and establish circulation thru perfs from 2450' - Surface  
Cement 4-1/2" x 9-5/8" annulus from 2450' - Surface  
Sting out CICR, Circulate 4-1/2" casing clean, and WOC  
Perforate 1940' and 1670' w/ 4 SPF  
TIH w/ RPB and Packer  
Set RPB at 2100' and Packer at 1900'  
Conduct RTS to prove fluid confinement above 1966'  
Release Packer  
Reset RPB at 1700' and Packer at 1450'  
Conduct RTS to prove fluid confinement below 1653'  
Remedial Activity will be contingent upon RTS Results  
Squeeze perforations at 1940' and 1670' and return well to production status.

ANNUAL TEMPERATURE LOGGING FOR ALL AOR WELLS:



## Kerr-McGee Oil & Gas Onshore LP

1368 South 1200 East Vernal Utah 84078  
Telephone: 435-789-4433 Fax: 435-781-7094

February 26, 2010

Mr. Nathan Wisser  
US Environmental Protection Agency  
U.S. EPA Region 8 (8ENF-UFO)  
1595 Wynkoop Street  
Denver, Colorado 80202-2466

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

43 047 36391

Re: UIC SWD Permit UT21143-07788  
NBU 921-33F SWD  
Well rework and Part I MIT  
Uintah County, Utah

9S 21E 33

Dear Mr. WISER,

Kerr McGee Oil & Gas would like to inform the EPA-UIC Program that we have completed the well rework on the NBU 921-33F SWD. The well rework consisted of pulling the tubing and changing out the packer. We then conducted a successful part I MIT. Please find enclosed the following:

- 1) Well Rework Record
- 2) MIT and chart 2-24-2010
- 3) Current Well bore diagram

After demonstrating mechanical integrity we are requesting permission to resume injection. The well is currently shut in and we are awaiting your response and permission to resume inject.

If you need clarification of any of the attached materials or additional information, please feel free to contact me with any questions or requests.

Sincerely,

Grizz Oleen  
Staff Environmental Analyst  
Kerr McGee Oil and Gas Company, L.P.  
435-781-7009  
435-790-9669

Enclosure: Several

cc: Energy & Mineral Res Dept, Ute Indian Tribe  
BIA, Uintah & Ouray Indian Agency  
Gil Hunt UDOGM



United States Environmental Protection Agency  
Washington, DC 20460

### WELL REWORK RECORD

<b>Name and Address of Permittee</b> Kerr McGee Oil & Gas Onshore, L.P. 1368 S 1200 E Vernal, UT 84078	<b>Name and Address of Contractor</b> _____
--------------------------------------------------------------------------------------------------------------	------------------------------------------------

<b>Locate Well and Outline Unit on Section Plat - 640 Acres</b>  	<b>State</b> Utah	<b>County</b> Uintah	<b>Permit Number</b> UT21143-07788
<b>Surface Location Description</b> SE 1/4 of NW 1/4 of _____ 1/4 of _____ 1/4 of Section <u>33</u> Township <u>9S</u> Range <u>21E</u>			
<b>Locate well in two directions from nearest lines of quarter section and drilling unit</b> Surface Location <u>176</u> ft. from (N/S) <u>N</u> Line of quarter section and <u>175</u> ft. from (E/W) <u>W</u> Line of quarter section.			
<b>WELL ACTIVITY</b> <input type="checkbox"/> Brine Disposal <input type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage  Lease Name NBU	<b>Total Depth Before Rework</b> 2240'  <b>Total Depth After Rework</b> 2240'  <b>Date Rework Commenced</b> 02/24/2010  <b>Date Rework Completed</b> 02/24/2010	<b>TYPE OF PERMIT</b> <input checked="" type="checkbox"/> Individual <input type="checkbox"/> Area Number of Wells <u>1</u>  Well Number NBU 921-33F SWD	

WELL CASING RECORD -- BEFORE REWORK						
Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
9 5/8	2200'	2200'	Class G	1664'	1944'	
3 1/2	1625'					

WELL CASING RECORD -- AFTER REWORK (Indicate Additions and Changes Only)						
Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
9 5/8	2200'	2200'	Class G	1664'	1944'	
3 1/2	1625'					

<b>DESCRIBE REWORK OPERATIONS IN DETAIL</b> USE ADDITIONAL SHEETS IF NECESSARY  Pulled tubing, packer, and hanger. Then reset all of it and preformed a part I MIT.	<b>WIRE LINE LOGS, LIST EACH TYPE</b> <table border="1" style="width:100%"> <tr> <th>Log Types</th> <th>Logged Intervals</th> </tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </table>		Log Types	Logged Intervals						
Log Types	Logged Intervals									

Certification		
I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)		
<b>Name and Official Title (Please type or print)</b> Grizz Oleen Staff Environmental Analyst	<b>Signature</b> 	<b>Date Signed</b> 02/26/2010

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency Region 8  
Underground Injection Control Program  
1595 Wynkoop Street, Denver, CO 80202-1129

EPA Witness: NONE Date 2 / 24 / 2010

Test conducted by: BC QUICK TEST

Others present: TROY SPAULDING, GARTH McCONKIE, DANIEL CARRILLO

Well Name: <u>NBU 921-33F SWD</u>	Type: ER <b>SWD</b>	Status: AC
	TA UC	
Field: <u>Greater Natural Buttes</u>		
Location: _____ Sec: <u>33</u> T <u>9S</u> N/S R <u>21</u> E/W County: <u>UINTAH</u> State: <u>UT</u>		
Operator: <u>Anadarko Petroleum Corporation</u>		
Last MIT: <u>2</u> / <u>16</u> / <u>10</u> Maximum Allowable Pressure: <u>300</u> PSIG		

Is this a regularly scheduled test? [ ] Yes [ X ] No

Initial test for permit? [ ] Yes [ X ] No

Test after well rework? [ X ] Yes [ X ] No

Well injecting during test? [ ] Yes [ X ] No If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: 0 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	0 psig	psig	psig
End of test pressure	0 psig	psig	psig
<b>CASING / TUBING ANNULUS PRESSURE</b>			
0 minutes	500 psig	psig	psig
5 minutes	500 psig	psig	psig
10 minutes	500 psig	psig	psig
15 minutes	500 psig	psig	psig
20 minutes	500 psig	psig	psig
25 minutes	500 psig	psig	psig
30 minutes	500 psig	psig	psig
_____ minutes	psig	psig	psig
_____ minutes	psig	psig	psig
<b>RESULT</b>	[ X ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test? [ ] Yes [ X ] No

# MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.: \_\_\_\_\_

AFTER MULTIPLE ATTEMPTS TO GET A MIT TEST ON THIS WELL, WE FINALLY FOUND OUT THAT THE PACKER HAD A SMALL LEAK IN IT. WE COULD GET A MIT TEST FOR A FEW HOURS, BUT THEN PRESSURE ON THE BACKSIDE SHOWED UP A FEW HOURS LATER. WE CHANGED OUT PACKERS AND GOT A GOOD MIT TEST AND THE CASING PRESSURE HAD BEEN 0 PSI FOR TWO DAYS.

Signature of Witness: GARTH McCONKIE, RANDY WILKINS, DON STRAIN (ON CHART)

## OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Do you agree with the reported test results?  YES  NO

If not, why?

Possible violation identified?  YES  NO

If YES, what

**If YES - followup initiated?**  YES

NO - why not?

Data Entry

Compliance Staff

2<sup>nd</sup> Data Entry

Hardcopy Filing



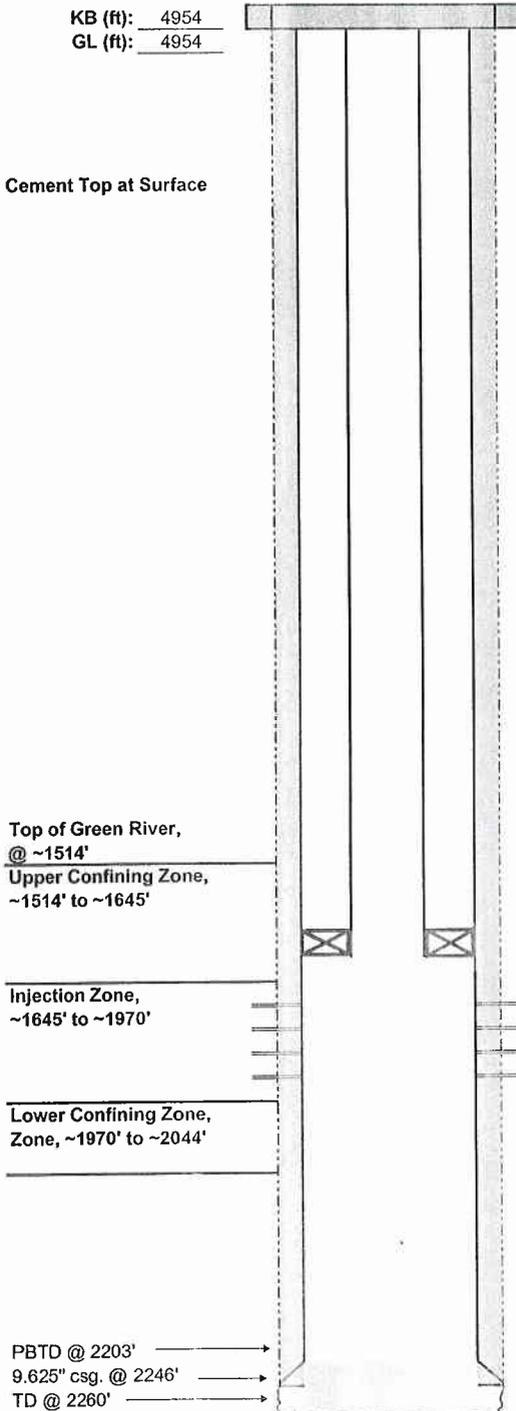
WELL: NBU 921-33F SWD  
 FIELD: NATURAL BUTTES  
 API # 43-047-36391  
 LEASE #: U-015630-ST  
 EPA PERMIT #: UT21143-07788

CNTY: UINTAH  
 STATE: UTAH

FT.: 1762' FNL 1755' FWL  
 Q-Q: SENW  
 SEC.: 33  
 TWS: 9S  
 RGE: 21E

## CURRENT WELLBORE DIAGRAM

KB (ft): 4954  
 GL (ft): 4954



### CASING RECORD

HOLE (in)	SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)
12 1/4	9 5/8	36	J-55	0	2246'

### TUBING RECORD

SIZE (in)	WT (lb/ft)	GRADE	TOP (ft)	BTM (ft)
3 1/2	9.3	J-55	0	1625'
9 5/8	Packer		1625'	1635'

Packer at 1625' to 1635'

### PERFORATION RECORD

ZONE	TOP (ft)	BTM (ft)	SPF	DATE SHOT	STATUS
Bird's Nest	1,664	1,680	4	07/02/09	Open
Bird's Nest	1698	1,714	4	07/02/09	Open
Bird's Nest	1770	1,784	4	07/02/09	Open
Bird's Nest	1794	1,814	4	07/02/09	Open
Bird's Nest	1846	1,878	4	07/02/09	Open
Bird's Nest	1892	1,908	4	07/02/09	Open
Bird's Nest	1914	1,944	4	07/02/09	Open

PBTD @ 2203'  
 9.625" csg. @ 2246'  
 TD @ 2260'



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

**MAR - 9 2010**

Ref: 8ENF-UFO

CERTIFIED MAIL 7005-0390-0000-4848-5917  
RETURN RECEIPT REQUESTED

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

Grizz Oleen, Staff Environmental Analyst  
Kerr McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, Utah 84078

43 047 36391  
9S 2VE 33

Re: Underground Injection Control (UIC)  
Permission To Resume Injection  
NBU #921-33F SWD Well  
EPA Permit #UT21143-07788  
Natural Buttes Gas Field  
Uintah County, Utah

Dear Mr. Oleen:

On February 5 and March 1, 2010, EPA received information from Kerr McGee Oil & Gas Onshore LP on the above referenced well concerning the workover to address the well's loss of mechanical integrity. These letters indicate Kerr McGee performed several diagnostic procedures such as resetting the tubing, packer and hanger, and ultimately replaced the well's packer after discovering it was leaking. A successful mechanical integrity test (MIT) was conducted after these activities on February 24, 2010. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before February 24, 2015.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit, or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

**RECEIVED  
MAR 15 2010  
DIV. OF OIL, GAS & MINING**

If you have any questions concerning this letter, you may contact Nathan Wiser at (303) 312-6211. Please direct all correspondence to the attention of Nathan Wiser at Mail Code 8ENF-UFO.

Sincerely,

  
Mr Mark A.R. Chalfant  
Director  
Technical Enforcement Program

cc: Curtis Cesspooch, Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Ferron Secakuku, Natural Resources Director  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

Gil Hunt  
Utah Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, Utah 84114



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8

1595 Wynkoop Street  
DENVER, CO 80202-1129  
Phone 800-227-8917  
<http://www.epa.gov/region08>

MAR 04 2010

Ref: 8P-W-GW

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Grizz Oleen  
Kerr-McGee Oil Gas Onshore, LP  
1368 South 1200 East  
Vernal, UT 84078

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

Re: 43 047 36391  
Underground Injection Control (UIC)  
Permission To Resume Injection  
NBU 921-33F SWD 95 21E 33  
EPA Permit # UT21143-07788  
Natural Buttes Field  
Uintah County, Utah

Dear Mr. Oleen:

On February 26, 2010, the U. S. Environmental Protection Agency (EPA) received information from Kerr-McGee Oil Gas Onshore, LP on the above referenced well concerning the workover and the follow-up mechanical integrity test (MIT) conducted on February 24, 2010. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before February 24, 2015.

Pursuant to 40 C.F.R. §144.52(a)(6), if the well is not used for a period of at least two (2) years ("temporary abandonment"), it shall be plugged and abandoned unless EPA is notified and procedures are described to EPA ensuring the well will not endanger underground sources of drinking water ("non-endangerment demonstration") during its continued temporary abandonment. A successful MIT is an acceptable non-endangerment demonstration and would be necessary every two (2) years the well continues in temporary abandonment.

Failure to comply with a UIC Permit or the UIC regulations found at 40 C.F.R. Parts 144 through 148 constitute one or more violations of the Safe Drinking Water Act, 42 U.S.C. §300h. Such non-compliance may subject you to formal enforcement by EPA, as codified at 40 C.F.R. Part 22.

**RECEIVED**  
**MAR 25 2010**  
DIV. OF OIL, GAS & MINING

If you have any questions concerning this letter, you may contact Nathan Wiser at (303) 312-6211. Please direct all correspondence to the attention of Nathan Wiser at Mail Code 8ENF-UFO.

Sincerely,



Steven Pratt, P.E., CAPM (inactive)  
Director, Ground Water Program

cc:

Uintah & Ouray Business Committee:  
Curtis Cesspooch, Chairman  
Ronald Groves, Councilman  
Irene Cuch, Vice-Chairwoman  
Steven Cesspooch, Councilman  
Phillip Chimburas, Councilman  
Frances Poowegup, Councilwoman

Daniel Picard  
BIA – Uintah & Ouray Indian Agency

Ferron Secakuku  
Director, Natural Resources  
Ute Indian Tribe

Larry Love  
Director of Energy & Minerals Dept.  
Ute Indian Tribe

Gil Hunt  
Associate Director  
Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office  
BLM – Vernal Office

<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> STUO-015630-ST
<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 921-33F
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 43047363910000
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779	<b>PHONE NUMBER:</b> 720 929-6007 Ext
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1797 FNL 1844 FWL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SENW Section: 33 Township: 09.0S Range: 21.0E Meridian: S	<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES  <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"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 5/20/2009	<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 type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input checked="" 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 checked="" type="checkbox"/> OTHER	OTHER: REMEDIAL WORK

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

THE OPERATOR HAS PERFORMED THE REMEDIAL WORK ON THE SUBJECT WELL LOCATION. IN ACCORDANCE WITH THE CORRECTIVE ACTIVITIES FOR THE EPA PERMIT NUMBER UT21143-0778. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

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

<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> 5/25/2010	

US ROCKIES REGION  
**Operation Summary Report**

Well: NBU 921-33F

Spud Date: 6/1/2006

Project: UTAH-UINTAH

Site: NBU 921-33F

Rig Name No: LEED 698/698, SWABBCO 1/1

Event: WELL WORK EXPENSE

Start Date: 4/13/2009

End Date: 5/20/2009

Active Datum: RKB @4,971.99ft (above Mean Sea Level)

UWI: NBU 921-33F

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/12/2009	7:00 - 18:30	11.50	WO/REP	30		P		HSM RRTL & ALL EQUIPMENT SPOT IN RIG UP GUY OUT LAY ALL HARD LINE KILL WELL NDWH NUBOP TEST BOP = GOOD TEST UNLTBG TOH TALLYING 269 JNTS R/U WIRELINE RIH SET 5K CBP @ 2500' LOAD & TEST CSG TO 1500 PSI = GOOD RIH PERF 4 SPF @ 1942' & 1644' POOH TIH RBP & PKR SET RBP @ 2037' TEST TOOLS TO 1000 PSI = GOOD TEST SET PKR @ 1910' ATTEMPT TO BREAK DOWN PERF WITH 3800 PSI WITH NO LUCK 3800 PSI TO 2400 PSI IN 30 SEC HELD @ 2400 PSI RELEASE PKR GRAB PLU SET PLUG @ 1783' & PKR @ 1466' ATTEMPT TO BREAK DOWN PERFS WITH NO LUCK 3800 PSI TO 2000 PSI IN 30 SEC HELD @ 2000 PSI SWI WITH 2000 PSI ON PERFS SDFN
5/13/2009	7:00 - 20:00	13.00	WO/REP	30		P		HSM TRY TO BREAK DOWN PERFS @ 1644' WITH NO LUCK RELEASE & TOH PKR R/U WL RIH DUMP BAIL 5 GAL 15% ACI ACROSS PERS POOH TIH PKR SET @ 1466' BREAK DOWN PERFS @ 2100 PSI EST INJ RATE OF 1/2 BPM @ 1800 PSI RELEASE PKR GRAB & RELEASE PLUG RESET PLUG @ 2037' TOH PKR R/U WL RIH SPOT 5 GAL 15% ACID ACROSS PERFS @ 1942' POOH TIH SET PKR @ 1910' BREAK DOWN PERFS @ 1900 PSI EST INJ RATE OF 1/2 BPM @ 1700 PSI R/U PLS RUN RATS TEST = GOOD TEST SET PLUG @ 1783' & PKR @ 1466' RUN RATS TEST = GOOD TEST GRAB PLUG TOH TBG & TOOLS TIH CICR SET @ 1906' WITH 60 JNTS P/100 SKS G-NEAT FOLLOWED BY 100 SKS 2% SQUEEZED OUT @ 1400 PSI STUNG OUT OF CICR LEAVING 1/2 BBL ON TOP OF CICR EST CEMENT TOP @ 1874' TOH TIH PKR SET @ 1335' WITH 42 JNTS = 309' ABOVE PERFS P/100 SKS G-NEAT FOLLOWED BY 50 SKS 2% SQUEEZED OUT @ 100 PSI EST CEMENT TOP @ 1497' = 147' OF CEMENT ABOVE PERFS SWI SDFN
5/14/2009	-							
5/15/2009	7:00 - 19:30	12.50	WO/REP	30		P		HSM RELEASE PKR TOH TIH 3 7/8 ROCK BIT TAG @ 1495' WITH JNT 48 SWIVEL UP WITH JNT 48 DRILL CEMENT TO 1660' = 16' PAST PERFS CEMENT VERY HARD TEST SQUEEZE TO 1000 PSI + FAILED TRY TO BREAK DOWN PERFS WITH 3000 PSI UNABLE TO GET GOOD INJ RATE HUNG SWIVEL TOH R/U WIRELINE DUMP ACID ACROSS PERFS LOAD CSG EST INJ RATE OF 1/2 BPM @ 1600 PSI TIH PKR SET @ 1335' WITH 42 JNTS P/100 SKS G-NEAT PERFS ON VACUME P/100 SKS 2% SQUEEZE OUT @ 900 PSI EST CEMENT TOP @ 1516' SWI SDFWE
5/18/2009	7:00 - 18:30	11.50	WO/REP	30		P		HSM RELEASE & TOH PKR TIH BIT TAG CEMENT @ 1526' WITH JNT 49 P/U SWIVEL DILL CEMENT TO 1655' TEST SQUEEZE TO 880 PSI HELD 20 MIN = GOOD TEST SWIVEL IN HOLE TAG CEMENT @ 1855' DRILL TO CICR @ 1906 DRILL UP CICR IN 4HRS DRILLN CEMENT TO 1962' = 18' PAST PERFS TEST SQUEEZE @ 1944' TO 1000 PSI HELD 20 MIN = GOOD TEST HUNG SWIVEL TOH SWI SDFN

US ROCKIES REGION  
**Operation Summary Report**

Well: NBU 921-33F		Spud Date: 6/1/2006	
Project: UTAH-UINTAH		Site: NBU 921-33F	Rig Name No: LEED 698/698, SWABBCO 1/1
Event: WELL WORK EXPENSE		Start Date: 4/13/2009	End Date: 5/20/2009
Active Datum: RKB @4,971.99ft (above Mean Sea Level)		UWI: NBU 921-33F	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/19/2009	7:00 - 18:00	11.00	WO/REP	30		P		HSM TIH 3 7/8 BIT & 78 JNTS P/U SWIVEL WITH JNT 79 BREAK CIRC WITH FOAM UNIT DRILL UP CBP @ 2500' 850 PSI BELOW PLUG SWIVEL IN TO 2541' PLUG GONE HUNG SWIVEL LD 2 JNTS TIH TAG PLUG AGAIN @ 2605' P/U SWIVEL WITH JNT 82 DRILL UP CBP SWIVEL IN TO 2700' HUNG SWIVEL LD 3 JNTS TIH 268 JNTS FROM DERRICK TOTAL P/U SINGLES TAG @ 9286' WITH JNTS 293 BREAK CIRC CLEAN OUT TO PBTD @ 9490' WITH JNT 300 CIRC HOLE CLEAN HUNG SWIVEL LD 32 JNTS TOH TO 5327' SWI SDFN
5/20/2009	7:00 - 14:30	7.50	WO/REP	30		P		HSM OPEN CSG TO TANK 1 1/2 HRS KILL WELL TOH TIH X-NIPPLE & 268 JNTS LTBG @ 8505' R/U SWAB BROACH TBG R/D SWAB NDBOP NUWH R/O PUMP & TANKS RDMO