

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

FORM 3

AMENDED REPORT   
(highlight changes)

001

<b>APPLICATION FOR PERMIT TO DRILL</b>				5. MINERAL LEASE NO: ML3276	6. SURFACE: State
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>				8. UNIT or CA AGREEMENT NAME: NATURAL BUTTES UNIT	
2. NAME OF OPERATOR: WESTPORT OIL & GAS COMPANY L.P.				9. WELL NAME and NUMBER: NBU 1022-16A	
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: 763'FNL & 1096'FEL AT PROPOSED PRODUCING ZONE:				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 10S 22E	
6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 35 MILES SOUTHEAST OF OURAY, UTAH				12. COUNTY: UINTAH	13. STATE: UTAH
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 763'		16. NUMBER OF ACRES IN LEASE: 480.00		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40.00	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) REFER TO TOPO C		19. PROPOSED DEPTH: 8,800		20. BOND DESCRIPTION: RLB0005238	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5253'GL		22. APPROXIMATE DATE WORK WILL START:		23. ESTIMATED DURATION:	

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT
12 1/4"	9 5/8"	H-40	32.3#	1,900	265 SX
7 7/8"	4 1/2"	I-80	11.6#	8,800	1820 SX

**RECEIVED**  
**SEP 21 2004**

**ATTACHMENTS**

DIV. OF OIL, GAS & MINING

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

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

NAME (PLEASE PRINT) SHEILA UPCHEGO TITLE REGULATORY ANALYST  
SIGNATURE *Sheila Upchego* DATE 9/10/2004

(This space for State use only)

API NUMBER ASSIGNED: 43-047-35946

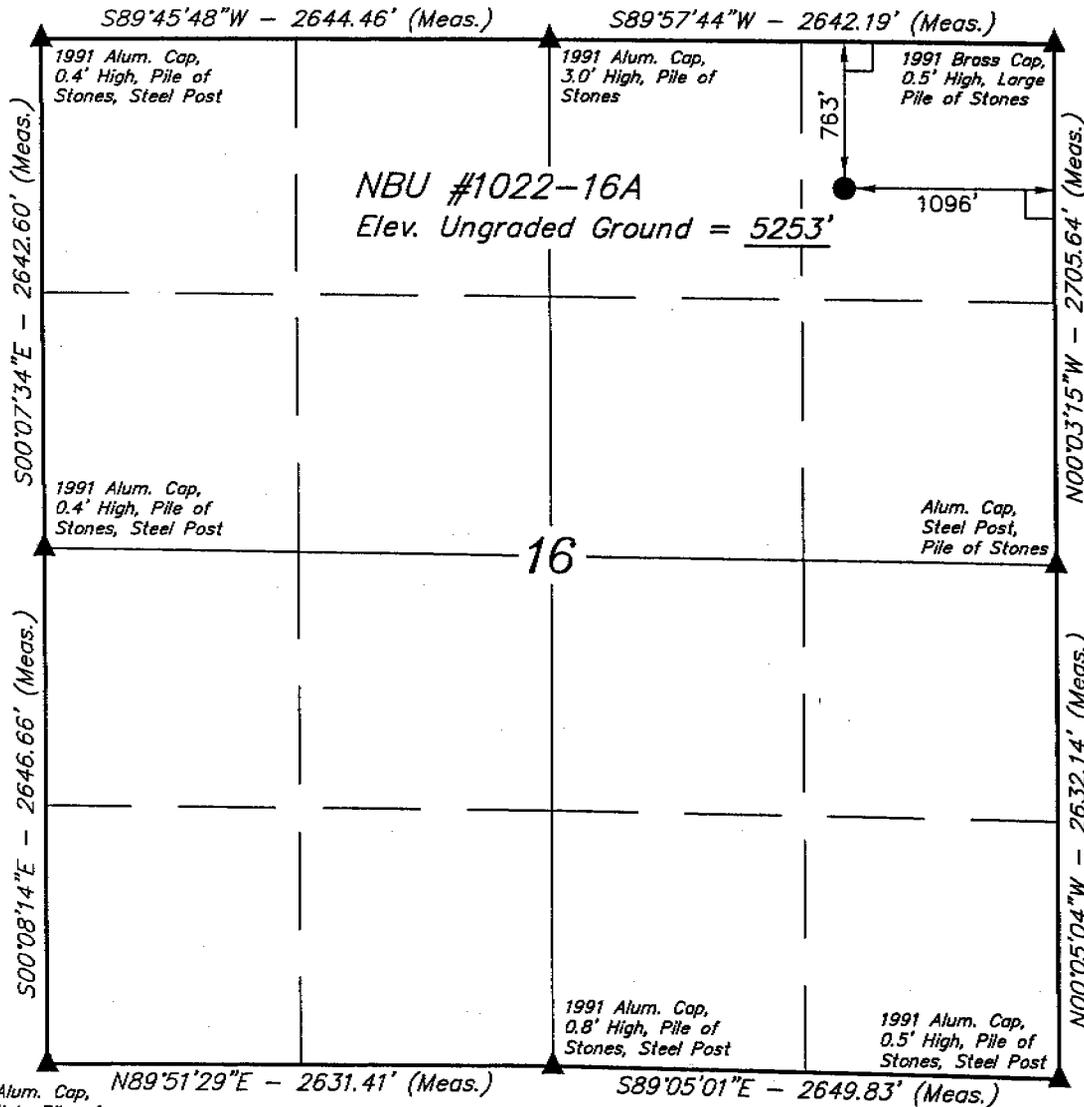
APPROVAL:

**Approved by the  
Utah Division of  
Oil, Gas and Mining**  
Date: 10-27-04  
By: *[Signature]*

# T10S, R22E, S.L.B.&M.

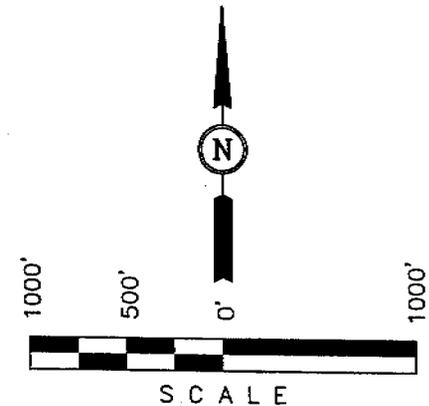
## WESTPORT OIL AND GAS COMPANY, L.P.

Well location, NBU #1022-16A, located as shown in the NE 1/4 NE 1/4 of Section 16, T10S, R22E, S.L.B.&M. Uintah County, Utah.



### BASIS OF ELEVATION

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



### CERTIFICATE

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

ROBERT L. KAY  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 261319  
 STATE OF UTAH

1991 Alum. Cap, 0.4' High, Pile of Stones

### LEGEND:

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

### BASIS OF BEARINGS

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

(NAD 83)  
 LATITUDE =  $39^{\circ}57'14.98''$  (39.954161)  
 LONGITUDE =  $109^{\circ}26'21.32''$  (109.439256)

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

SCALE 1" = 1000'	DATE SURVEYED: 8-12-04	DATE DRAWN: 8-17-04
PARTY K.K. B.W. K.G.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE WESTPORT OIL AND GAS COMPANY, L.P.	

NBU #1022-16A  
NE/NE Sec. 16, T10S, R22E  
UINTAH COUNTY, UTAH  
ML-3276

ONSHORE ORDER NO. 1

***DRILLING PROGRAM***

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

<u>Formation</u>	<u>Depth</u>
Uinta	Surface
Green River	1225'
Wasatch	4250'
Mesaverde	6700'
TD	8800'

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1225'
Gas	Wasatch	4250'
Gas	Mesaverde	6700'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

*Please see the attached Drilling Program.*

4. **Proposed Casing & Cementing Program:**

*Please see the attached Drilling Program*

5. **Drilling Fluids Program:**

*Please see the attached Drilling Program.*

6. **Evaluation Program:**

*Please see the attached Drilling Program.*

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8,800' TD, approximately equals 3520 psi (calculated at 0.4 psi/foot).

Maximum anticipated surface pressure equals approximately 1584 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variations:**

*Please see the attached Drilling Program.*

10. **Other Information:**

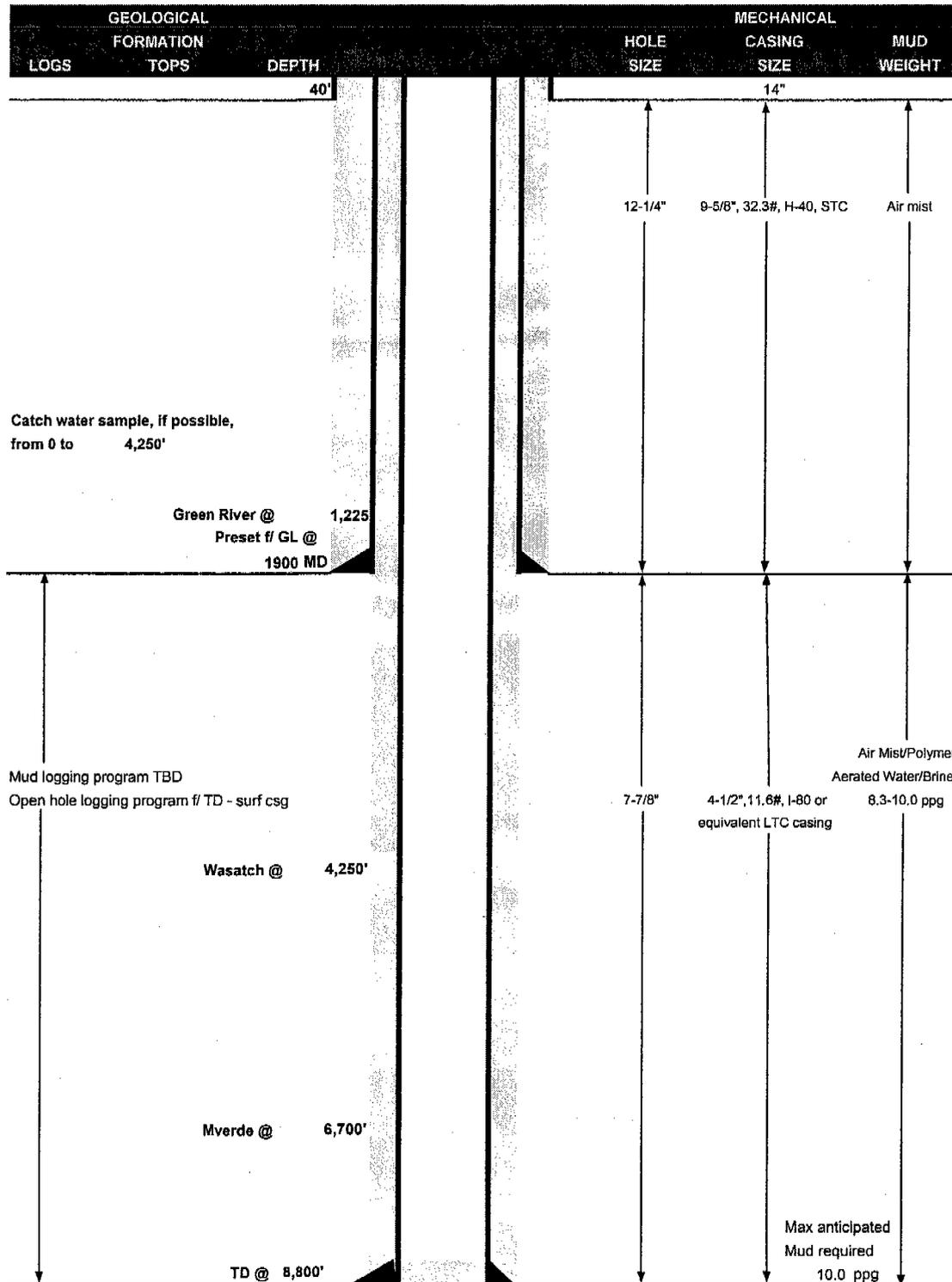
*Please see the attached Drilling Program.*



# Westport Oil and Gas Company, L.P.

## DRILLING PROGRAM

COMPANY NAME Westport Oil and Gas Co., L.P. DATE September 7, 2004  
 WELL NAME NBU 1022-16A TD 8,800' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,252' GL KB 5,267'  
 SURFACE LOCATION 763' FNL & 1096' FEL, NENE SEC. 16, T10S, R22E BHL Straight Hole  
 Latitude: 39.954161 Longitude: 109.439256  
 OBJECTIVE ZONE(S) Wasatch/Mesaverde  
 ADDITIONAL INFO Regulatory Agencies: BLM, UDOGM (MINERALS & SURFACE), Tri-County Health Dept.





**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 1900	32.30	H-40	STC	0.86*****	1.54	4.73
PRODUCTION	4-1/2"	0 to 8800	11.60	I-80	LTC	7780	6350	201000
						2.95	1.39	2.26

- 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 2640 psi

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

**CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
Option 1	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE		<b>NOTE: If well will circulate water to surface, option 2 will be utilized</b>					
Option 2	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,750'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	410	60%	11.00	3.38
	TAIL	5,050'	50/50 Poz/G + 10% salt + 2% gel + 1% R-3	1410	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 Toico surveys every 2000'. Maximum allowable hole angle is 5 degrees.

DRILLING ENGINEER: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Brad Laney  
 DRILLING SUPERINTENDENT: \_\_\_\_\_ DATE: \_\_\_\_\_  
 Randy Bayne  
 DHD NBU1022-16A APD

NBU #1022-16A  
NE/NE Sec. 16, T10S-R22E  
Uintah County, UT  
ML-3276

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

1. **Existing Roads:**

Refer to Topo Map A for directions to the location.

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

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

*Improvements to existing access roads shall be determined at the on-site inspection.*

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:**

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, *unless modified at the on-site inspection*. 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 shall 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:**

*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.

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. *The need for a reserve pit liner will be determined at the on-site inspection.*

If a plastic reinforced liner is used, it will be a minimum of 12 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). *This section is subject to modification as a result of the on-site inspection.*

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

If it is determined that a pit liner will be used at the on-site inspection, 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.

If a plastic, nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

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

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

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

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

*Dry Hole/Abandoned Location:*

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

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

11. **Surface Ownership:**

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

12. **Other Information:**

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

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

A Class III archaeological survey will be submitted when report becomes available.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it Within 460' of any non-committed tract lying within the boundaries of the Unit.

13. **Lessee's or Operators's Representative & Certification:**

Sheila Upcheho  
Regulatory Analyst  
Westport O&G Co. L.P.  
P.O. Box 1148  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Westport O&G Co. L.P.  
P.O. Box 1148  
Vernal, UT 84078  
(435) 781-7018

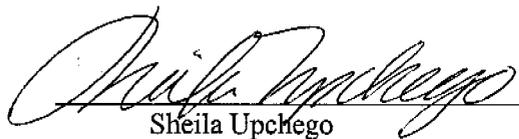
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

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. L.P. is considered to be the operator of the subject well. Westport O&G Co. L.P. 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 Westport O&G Co. L.P. State Surety Bond: RLB0005238.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

9/10/04

Date

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

**NBU #1022-16A**

**SECTION 16, T10S, R22E, S.L.B.&M.**

**PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 11.2 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, THEN SOUTHEASTERLY DIRECTION APPROXIMATELY 8.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN LEFT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 2.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRCTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE SOUTHEAST; FOLLOW ROAD FLAGS IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 33' TO THE PROPOSED LOCATION.**

**TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 54.4 MILES.**

# WESTPORT OIL AND GAS COMPANY, L.P.

NBU #1022-16A  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 16, T10S, R22E, S.L.B.&M.

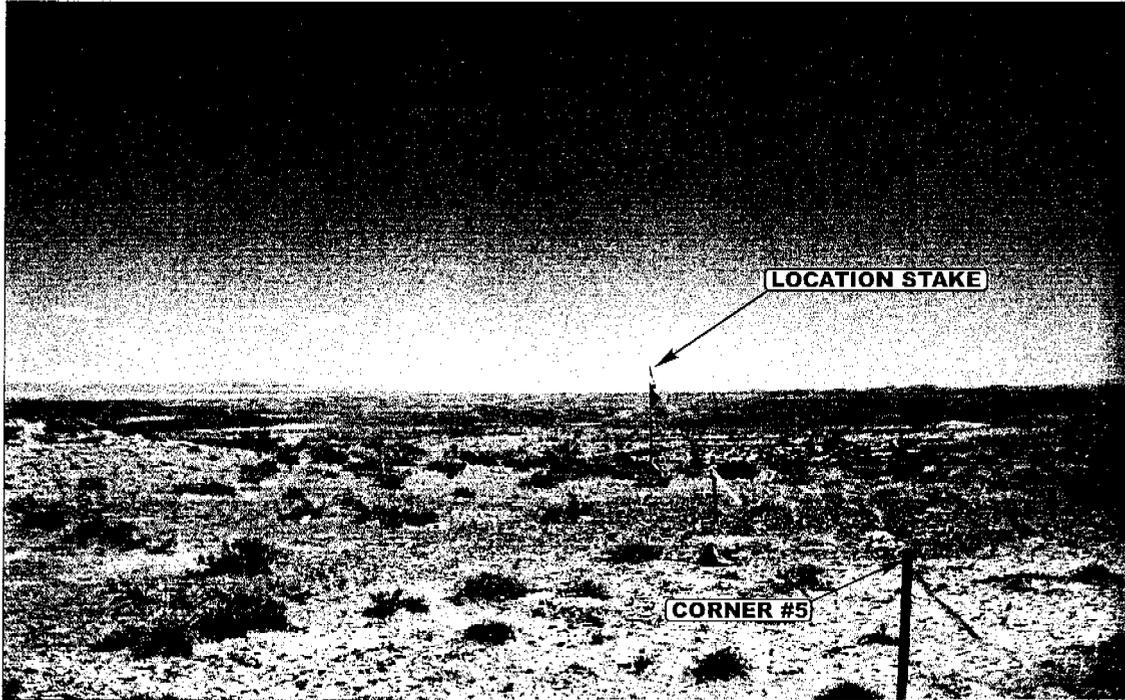


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: NORTHEASTERLY

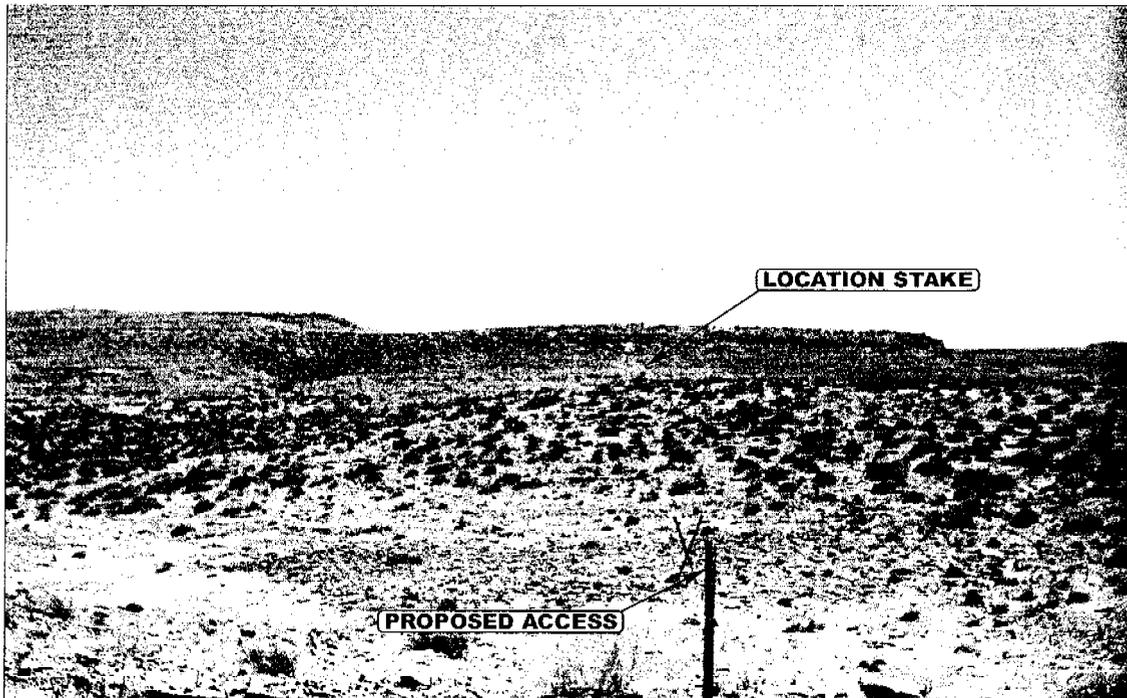


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

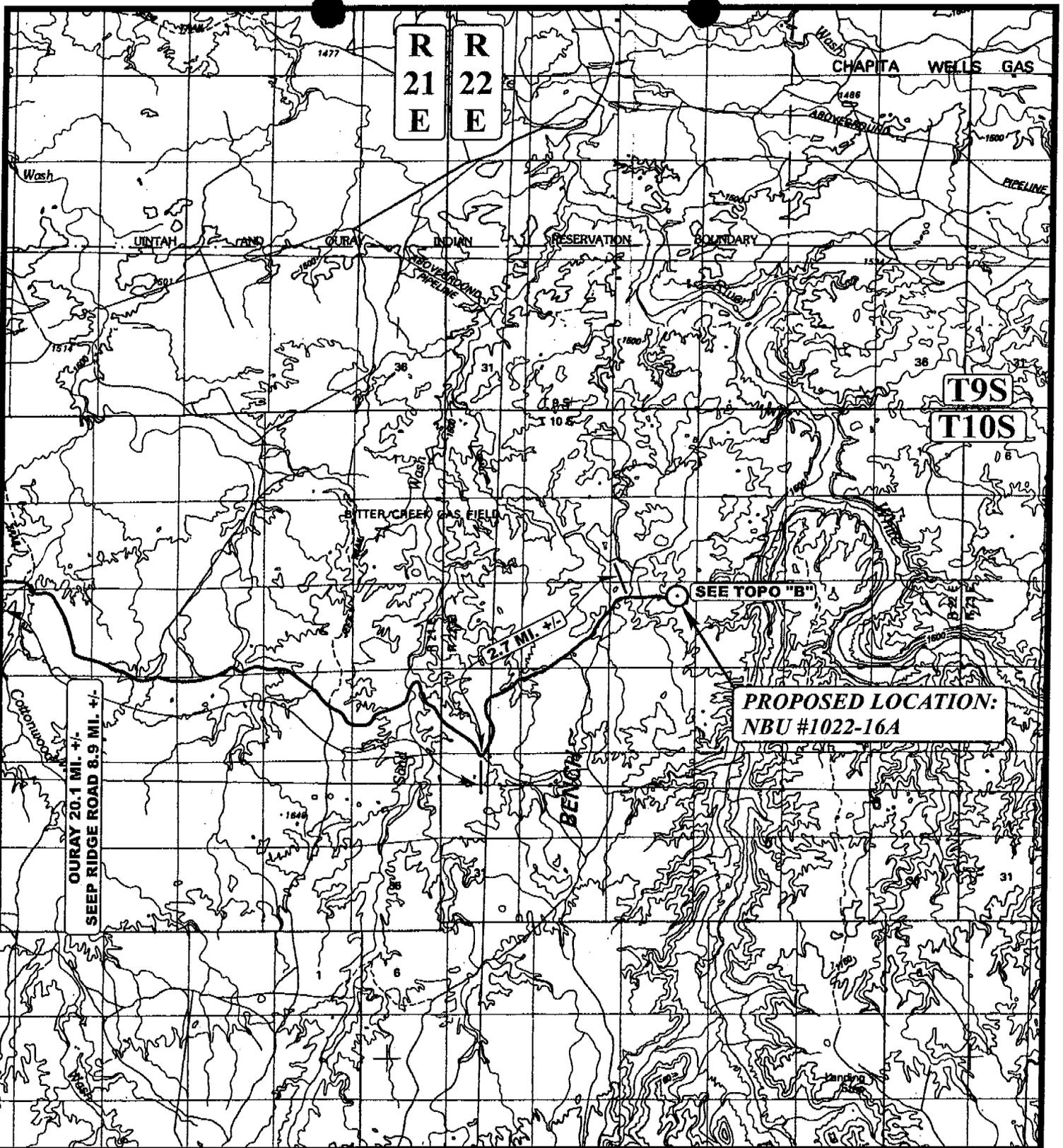
CAMERA ANGLE: SOUTHEASTERLY



- Since 1964 -

**E&LS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 ucls@uclsinc.com

LOCATION PHOTOS	8	18	04	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: K.K.	DRAWN BY: K.G.	REVISED: 00-00-00		



**LEGEND:**

○ PROPOSED LOCATION



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

NBU #1022-16A

SECTION 16, T10S, R22E, S.L.B.&M.

763' FNL 1096' FEL



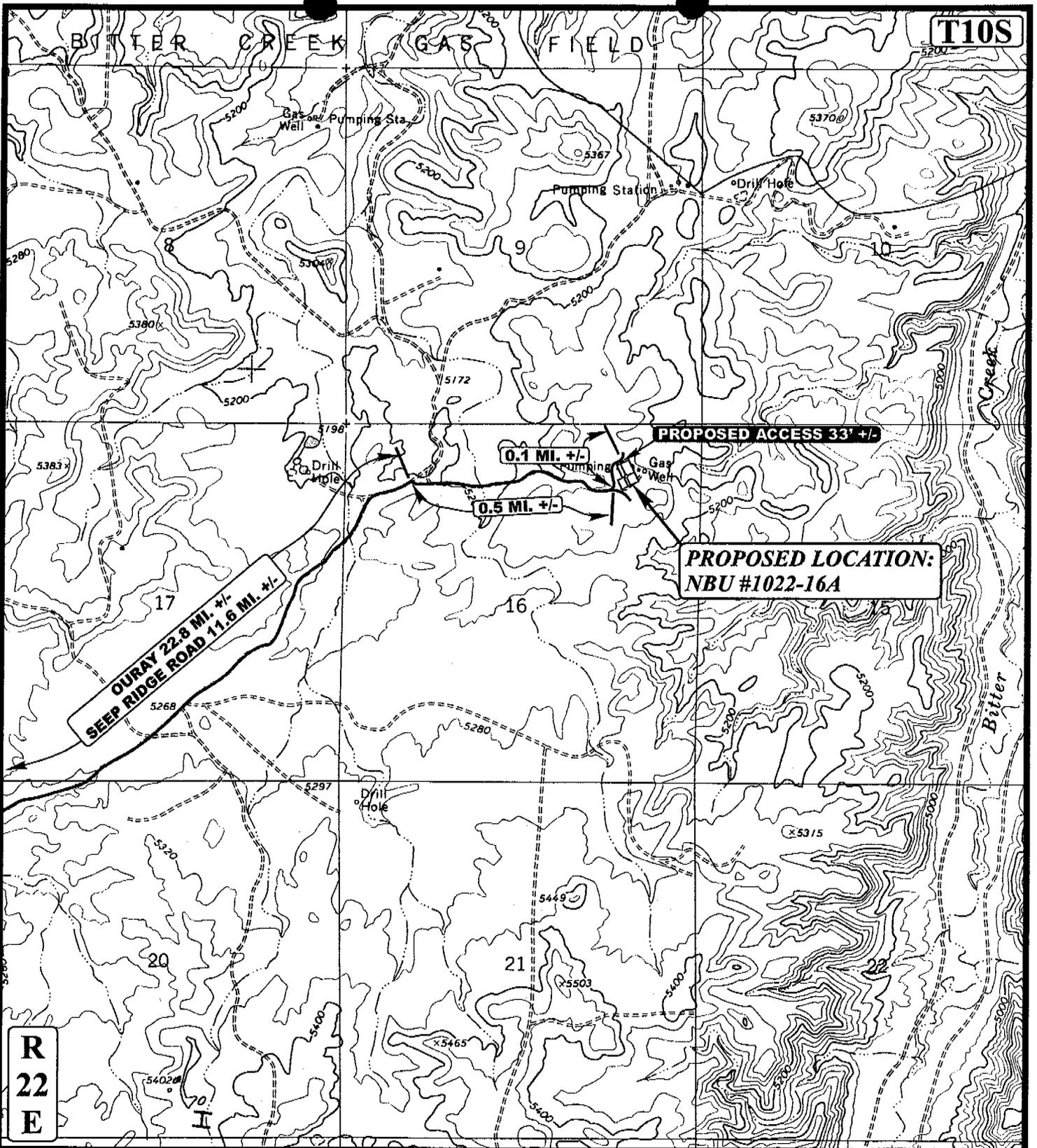
Utah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC  
MAP

8	18	04
MONTH	DAY	YEAR

SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 00-00-00





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD

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

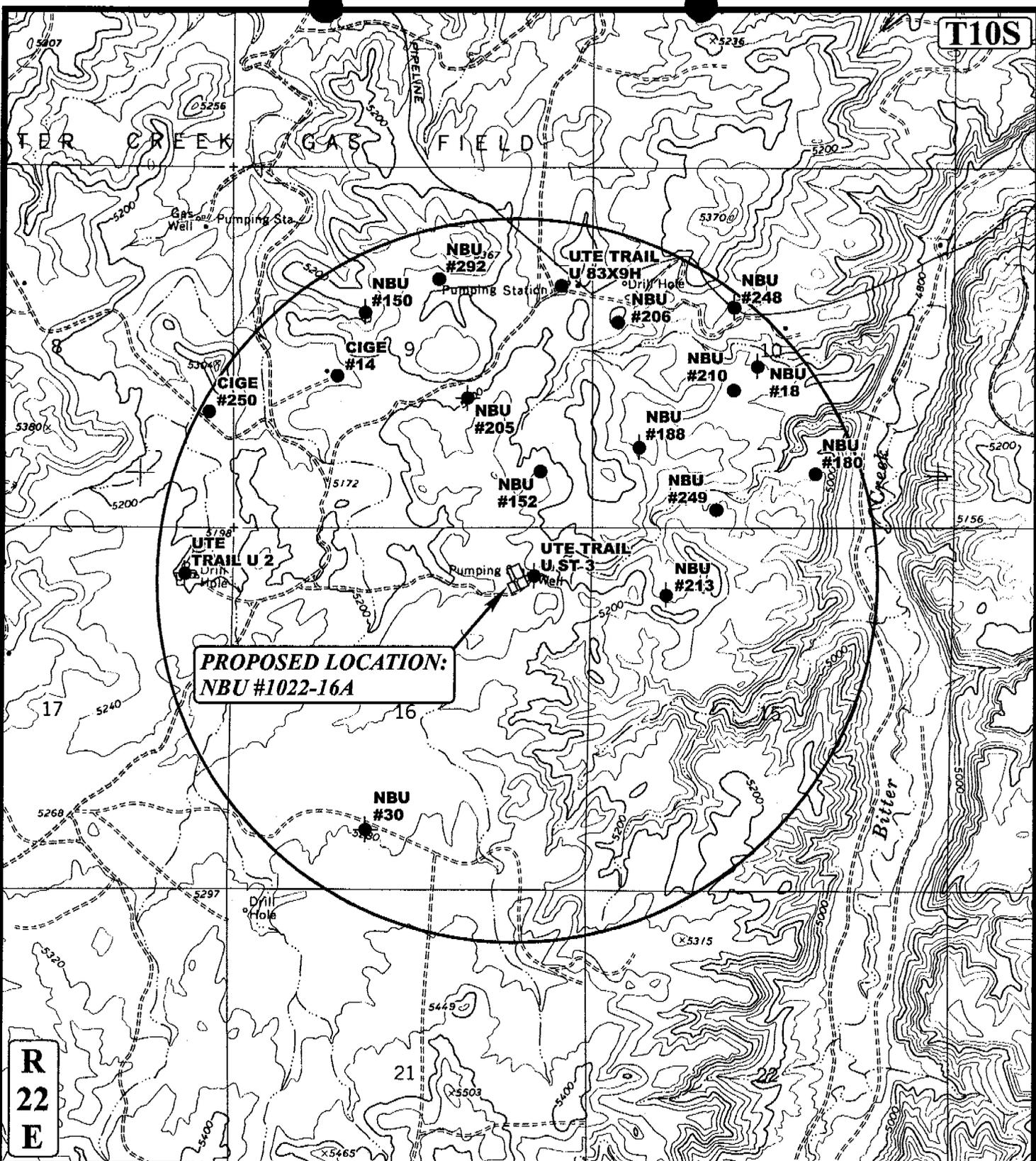
NBU #1022-16A  
 SECTION 16, T10S, R22E, S.L.B.&M.  
 763' FNL 1096' FEL

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



<b>TOPOGRAPHIC</b>	<b>8</b>	<b>18</b>	<b>04</b>	<b>B</b>
<b>MAP</b>	MONTH	DAY	YEAR	
SCALE: 1" = 2000'	DRAWN BY: K.G.		REVISED: 00-00-00	<b>TOPO</b>

T10S



**PROPOSED LOCATION:  
NBU #1022-16A**

R  
22  
E

**LEGEND:**

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

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

**NBU #1022-16A**  
**SECTION 16, T10S, R22E, S.L.B.&M.**  
**763' FNL 1096' FEL**

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



**TOPOGRAPHIC** **8** **18** **04**  
**MAP** MONTH DAY YEAR  
 SCALE: 1" = 2000' DRAWN BY: K.G. REVISED: 00-00-00 **C**  
 TOPO

T10S

9

5200

5172

PROPOSED ACCESS ROAD

Pumping

Gas Well

PROPOSED LOCATION:  
NBU #1022-16A

PROPOSED PIPELINE FOR  
THE NBU #1022-16H

PROPOSED PIPELINE

TIE-IN POINT

16

R  
22  
E

5280

5200

5200

APPROXIMATE TOTAL PIPELINE DISTANCE = 400' +/-

**LEGEND:**

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

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

NBU #1022-16A

SECTION 16, T10S, R22E, S.L.B.&M.

763' FNL 1096' FEL



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

**TOPOGRAPHIC  
MAP**

**8 18 04**  
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: K.G. REVISED: 00-00-00

**D**  
TOPO

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #1

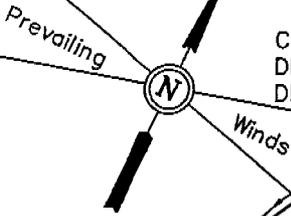
LOCATION LAYOUT FOR

NBU #1022-16A

SECTION 16, T10S, R22E, S.L.B.&M.

763' FNL 1096' FEL Existing Road

Proposed Access Road



SCALE: 1" = 50'  
DATE: 8-17-04  
Drawn By: K.G.

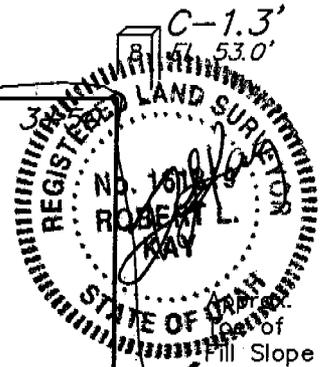
C-2.2'  
El. 53.9'

F-1.2'  
El. 50.5'

C-1.3'  
El. 53.0'

Approx. Top of Cut Slope

Sta. 3+00



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

Existing Drainage

PIPE TUBS

PIPE RACKS

FLARE PIT

C-1.2'  
El. 52.9'

C-1.3'  
El. 53.0'

C-1.4'  
El. 53.1'

F-8.3'  
El. 43.4'

El. 52.7'  
C-11.0'  
(btm. pit)

RESERVE PITS  
(10' Deep)

Total Pit Capacity  
W/2' of Freeboard  
= 14,440 Bbls. ±  
Total Pit Volume  
= 3,920 Cu. Yds.

MUD TANKS

MUD TANKS

TRASH

PROPANE STORAGE

TOILET

TRAILER

LIGHT PLANT

BOILER

COMPRESSOR

BOOSTER

WATER TANK

El. 54.7'  
C-13.0'  
(btm. pit)

C-0.8'  
El. 52.5'

Round Corners as Needed

Sta. 0+00

Topsail Stockpile

Existing Trail

F-6.6'  
El. 45.1'

**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5253.1'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5251.7'

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

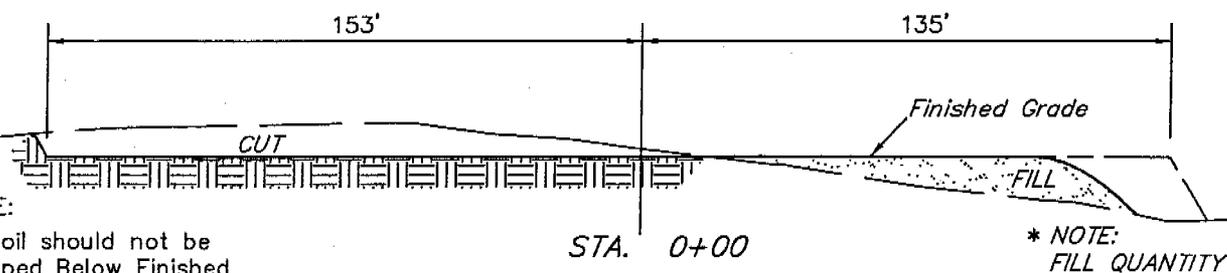
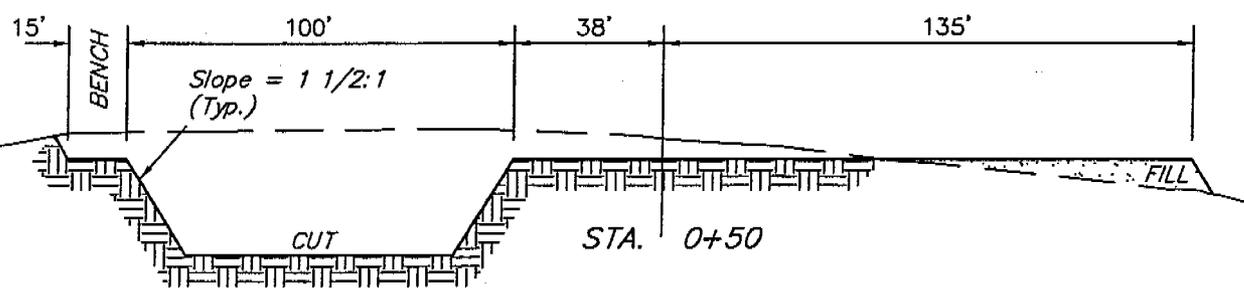
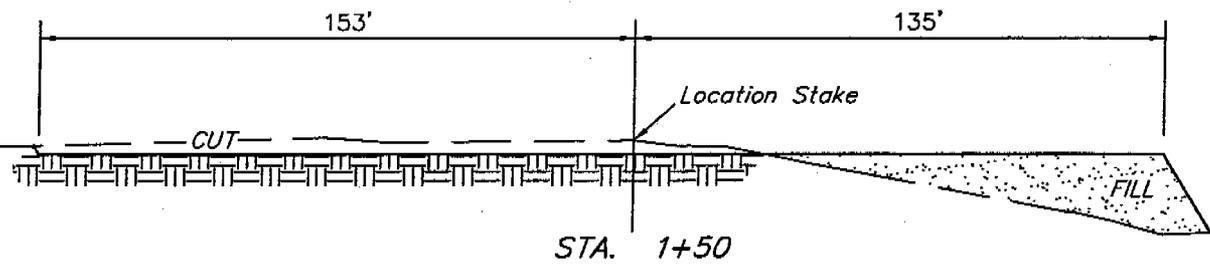
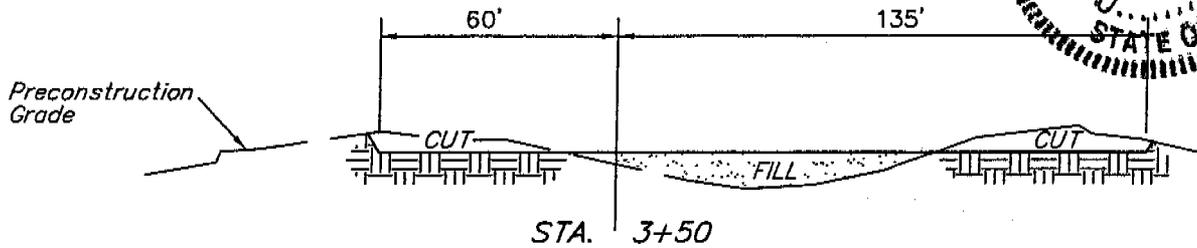
NBU #1022-16A

SECTION 16, T10S, R22E, S.L.B.&M.

763' FNL 1096' FEL

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

DATE: 8-17-04  
Drawn By: K.G.



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

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

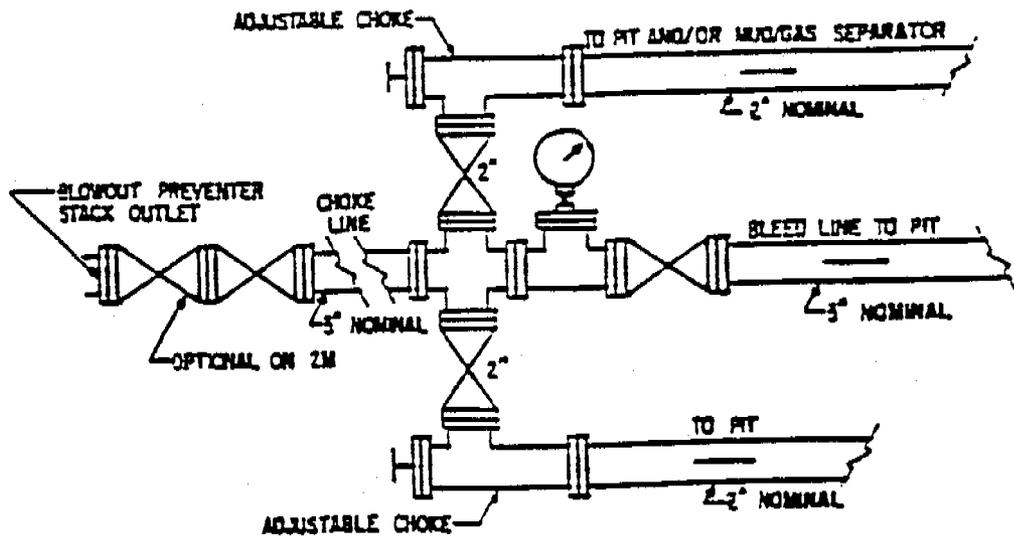
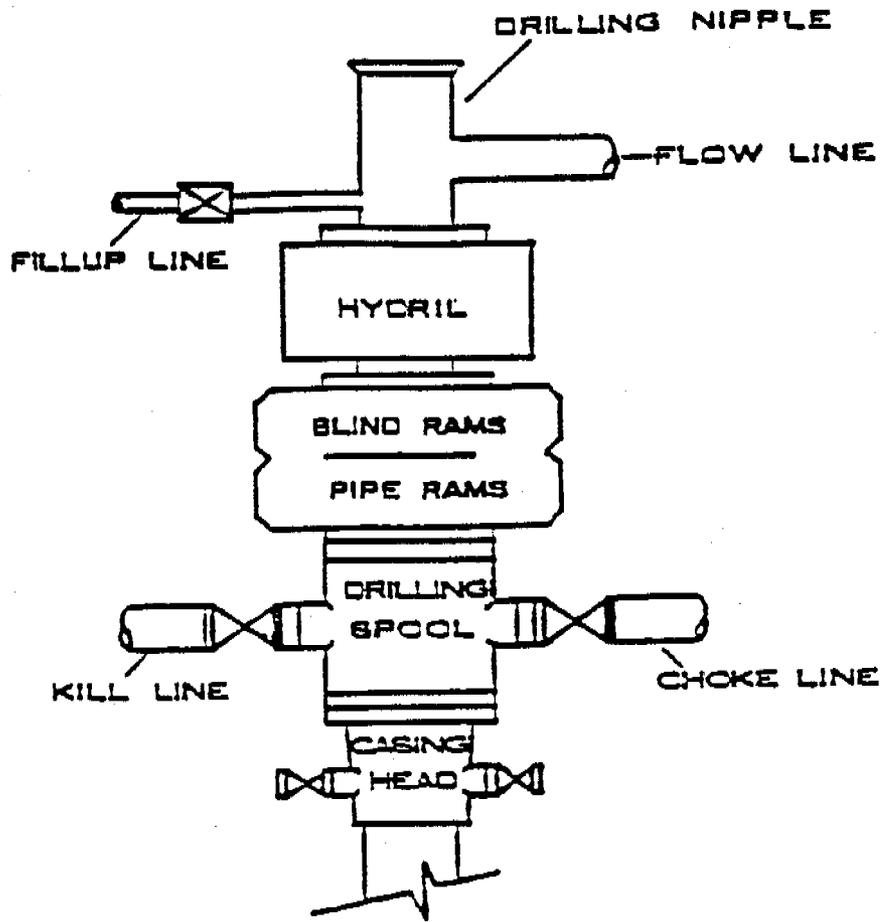
CUT	
(6") Topsoil Stripping	= 1,750 Cu. Yds.
Remaining Location	= 7,760 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,510 CU.YDS.</b>
<b>FILL</b>	<b>= 5,800 CU.YDS.</b>

EXCESS MATERIAL	= 3,710 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,710 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

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

3,000 PSI

# BOP STACK



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 09/21/2004

API NO. ASSIGNED: 43-047-35946

WELL NAME: NBU 1022-16A

OPERATOR: WESTPORT OIL & GAS CO ( N2115 )

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

PROPOSED LOCATION:

NENE 16 100S 220E

SURFACE: 0763 FNL 1096 FEL

BOTTOM: 0763 FNL 1096 FEL

UINTAH

NATURAL BUTTES ( 630 )

LEASE TYPE: 3 - State

LEASE NUMBER: ML3276

SURFACE OWNER: 3 - State

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering	DKD	10/27/04
Geology		
Surface		

LATITUDE: 39.95406

LONGITUDE: -109.4386

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' Pr U bdy of uncomm. tract
- \_\_\_ R649-3-11. Directional Drill

COMMENTS:

Needs Permit (10-20-04)

STIPULATIONS:

1- OIL SHALE

2- Surface Csg Cont Strip

3- STATEMENT OF BASIS



# 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)

September 29, 2004

Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2004 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 2004 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Mesaverde)		
43-047-35943	NBU 1022-16H Sec 16 T10S R22E 2169 FNL 1298 FEL	
43-047-35944	NBU 1022-16K Sec 16 T10S R22E 1835 FSL 2535 FWL	
43-047-35945	NBU 1022-16O Sec 16 T10S R22E 0817 FSL 2290 FEL	
43-047-35946	NBU 1022-16A Sec 16 T10S R22E 0763 FNL 1096 FEL	
43-047-35947	NBU 1022-16C Sec 16 T10S R22E 0695 FNL 2163 FWL	
43-047-35948	NBU 1022-16G Sec 16 T10S R22E 1603 FNL 2126 FEL	
43-047-35949	NBU 1022-16E Sec 16 T10S R22E 2281 FNL 0718 FWL	

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

/s/ Michael L. Coulthard

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

MCoulthard:mc:9-29-04

**From:** Ed Bonner  
**To:** Whitney, Diana  
**Date:** 10/7/2004 3:06:34 PM  
**Subject:** Well Clearance

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

MSC Exploration LP  
State MSC 35-2  
North Thompson 2-1

Medallion Exploration  
Atchee Ridge 16-19 #1

QEP Uinta Basin, Inc  
CB 13G-36-6-20

Prima Oil & Gas Company  
State Lost Creek 32-44  
(Must avoid site in access road)

Westport Oil & Gas Company  
NBU 1022-16H  
NBU 1022-16K  
NBU 1022-16O  
NBU 1022-16A  
NBU 1022-16C  
NBU 1022-16G  
NBU 1022-16E  
NBU 1022-16M

Merrion Oil & Gas Corporation  
Scud 1  
Sparkle Dun 1

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

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

**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 1022-16A  
**API NUMBER:** 43-047-35946  
**LOCATION:** 1/4,1/4 NE/NE Sec: 16 TWP: 10S RNG: 22E 1096' FEL 763' FNL

**Geology/Ground Water:**

Westport proposes to set 1,900' 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 3,100'. A search of Division of Water Rights records shows no water wells within a 10,000 foot radius of the proposed location. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water.

**Reviewer:** Brad Hill **Date:** 10/25/04

**Surface:**

The predrill investigation of the surface was performed on 10/20/04. Floyd Bartlett with DWR and Ed Bonner with SITLA were invited to this investigation on 10/06/04. Mr. Bartlett was present. He had no concerns regarding the construction of this location or the drilling of the well. This site is on State surface, with State minerals, and appears to be the best site for a location in the immediate area. There is a PA marker 400' to the northeast in this quarter/quarter. This well was the Ute Trail U ST #3. There are two livestock and wildlife water ponds located very near this PA'd well. Because of these ponds, the reclaimed location was not used for this well. Also, because of these ponds, Westport requests exception spacing for this well.

**Reviewer:** David W. Hackford **Date:** 10/21/2004

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

None.

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

OPERATOR: WESTPORT OIL AND GAS COMPANY, L.P.

WELL NAME & NUMBER: NBU 1022-16A

API NUMBER: 43-047-35946

LEASE: ML-3276 FIELD/UNIT: NATURAL BUTTES

LOCATION: 1/4, 1/4 NE/NE Sec: 16 TWP: 10S RNG: 22E 1096' FEL 763' FNL

LEGAL WELL SITING: 460' from unit boundary and uncommitted tracts.

GPS COORD (UTM): 633392E 4423645N SURFACE OWNER: STATE OF UTAH

**PARTICIPANTS**

DAVID W. HACKFORD (DOGM), FLOYD BARTLETT (DWR), CLAY EINERSON, DEBRA DOMENICI (WESTPORT), KOLBY KAY, (UELS).

**REGIONAL/LOCAL SETTING & TOPOGRAPHY**

SITE IS IN A RELATIVELY FLAT AREA OF LOW RIDGES AND SHALLOW DRAWS DRAINING GRADUALLY FOR 1.3 MILES TO THE NORTH, THEN 1.0 MILES TO THE NORTHEAST TO THE WHITE RIVER. BREAKS OF BITTER CREEK CANYON HEAD 0.6 MILES TO THE EAST. BITTER CREEK IS 1.1 MILES TO THE EAST. OURAY, UTAH IS 35.0 MILES TO THE NORTHWEST. THERE ARE NUMEROUS SANDSTONE OUTCROPPINGS 600' TO THE NORTH, NORTHWEST AND WEST.

**SURFACE USE PLAN**

CURRENT SURFACE USE: WILDLIFE AND LIVESTOCK GRAZING, HUNTING.

PROPOSED SURFACE DISTURBANCE: LOCATION WILL BE 350' BY 273'. ACCESS ROAD WILL BE 33 FEET.

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 ADDED AFTER DRILLING WELL. PIPELINE WILL FOLLOW ACCESS ROAD.

SOURCE OF CONSTRUCTION MATERIAL: ALL CONSTRUCTION MATERIAL WILL BE BORROWED FROM SITE DURING CONSTRUCTION OF 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 SETTLED INTO RESERVE PIT. LIQUIDS FROM PIT WILL

BE ALLOWED TO EVAPORATE. FORMATION WATER WILL BE CONFINED TO STORAGE TANKS. SEWAGE FACILITIES, STORAGE AND DISPOSAL WILL BE HANDLED BY COMMERCIAL CONTRACTOR. TRASH WILL BE CONTAINED IN TRASH BASKETS AND HAULED TO AN APPROVED LAND FILL.

**ENVIRONMENTAL PARAMETERS**

AFFECTED FLOODPLAINS AND/OR WETLANDS: NONE

FLORA/FAUNA: SAGE, GREASEWOOD, HORSEBRUSH, PRICKLY PEAR, SHADSCALE, RABBITBRUSH: PRONGHORN, RODENTS, SONGBIRDS, RAPTORS, COYOTE, RABBITS.

SOIL TYPE AND CHARACTERISTICS: LIGHT RED SANDY CLAY.

EROSION/SEDIMENTATION/STABILITY: VERY LITTLE NATURAL EROSION. SEDIMENTATION AND STABILITY ARE NOT A PROBLEM AND LOCATION CONSTRUCTION SHOULDN'T CAUSE AN INCREASE IN STABILITY OR EROSION PROBLEMS.

PALEONTOLOGICAL POTENTIAL: NONE OBSERVED.

**RESERVE PIT**

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

LINER REQUIREMENTS (Site Ranking Form attached): A LINER WILL NOT BE REQUIRED FOR RESERVE PIT.

**SURFACE RESTORATION/RECLAMATION PLAN**

AS PER SITLA.

SURFACE AGREEMENT: AS PER SITLA.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE WAS INSPECTED BY MONTGOMERY ARCHEOLOGICAL CONSULTANTS. A REPORT OF THIS INVESTIGATION WILL BE PLACED ON FILE.

**OTHER OBSERVATIONS/COMMENTS**

THIS PREDRILL INVESTIGATION WAS CONDUCTED ON A COOL, CLOUDY, WINDY DAY WITH NO SNOW COVER.

**ATTACHMENTS**

PHOTOS OF THIS SITE WERE TAKEN AND PLACED ON FILE.

DAVID W. HACKFORD  
DOGM REPRESENTATIVE

10/20/04, 12:30 PM  
DATE/TIME

**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>0</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>

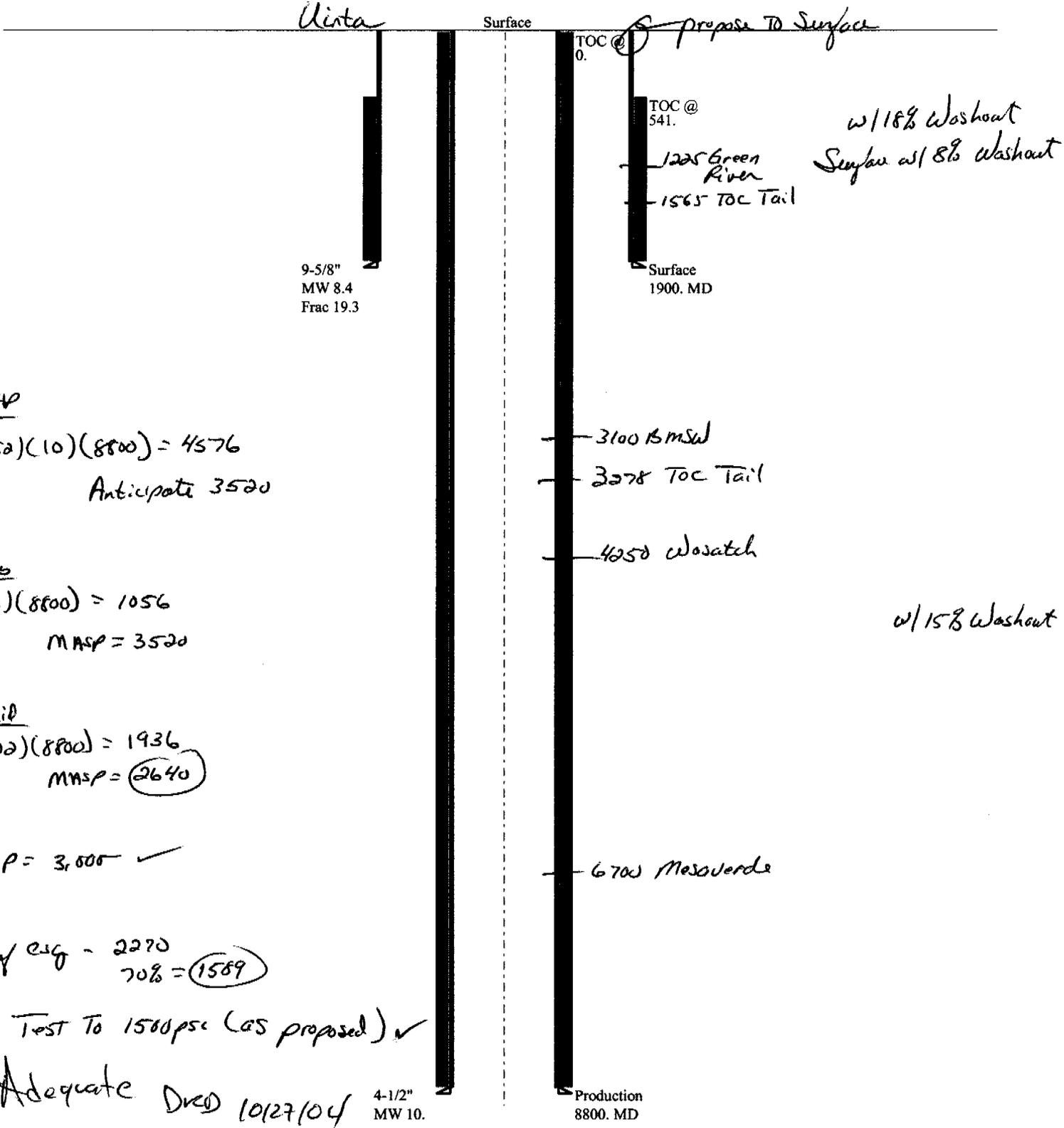
**Final Score**            15            (Level II Sensitivity)

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.





10-04 Westport NBU 1022-5A  
Casing Schematic



BHP  
 $(0.052)(10)(8800) = 4576$   
 Anticipate 3520

Gas  
 $(.12)(8800) = 1056$   
 MASP = 3520

Fluid  
 $(.22)(8800) = 1936$   
 MASP = 2640

BOP = 3,000 ✓

Surf estg - 2270  
 70% = 1589

Test To 1500psi (as proposed) ✓

Adequate Dred 10/27/04  
 4-1/2" MW 10.

- 3100 BMSW
- 3278 TOC Tail
- 4250 Washout
- 6700 Mesoverde

w/15% Washout

Well name:

**10-04 Westport NBU 1022-16A**Operator: **Westport Oil & Gas**String type: **Surface**

Project ID:

43-047-35946

Location: **Uintah****Design parameters:****Collapse**Mud weight: 8.400 ppg  
Design is based on evacuated pipe.**Burst**Max anticipated surface  
pressure: 1,672 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,900 psi

No backup mud specified.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

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

Tension is based on buoyed weight.

Neutral point: 1,666 ft

**Environment:**H2S considered? No  
Surface temperature: 65 °F  
Bottom hole temperature: 92 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

Cement top: 541 ft

Non-directional string.

**Re subsequent strings:**Next setting depth: 8,800 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 4,571 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,900 ft  
Injection pressure 1,900 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Internal Capacity (ft <sup>3</sup> )
1	1900	9.625	32.30	H-40	ST&C	1900	1900	8.876	120.4
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (Kips)	Tension Strength (Kips)	Tension Design Factor
1	829	1370	1.652	1900	2270	1.19	54	254	4.72 J

Prepared by: Clinton Dworshak  
Utah Div. of Oil & MiningPhone: 801-538-5280  
FAX: 801-359-3940Date: October 26, 2004  
Salt Lake City, Utah**Remarks:**

Collapse is based on a vertical depth of 1900 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 &amp; 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:

**10-04 Westport NBU 1022-16A**

Operator: **Westport Oil & Gas**

String type: **Production**

Project ID:

43-047-35946

Location: **Uintah**

**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: 65 °F  
Bottom hole temperature: 188 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,500 ft

**Burst:**

Design factor 1.00

Cement top: Surface

**Burst**

Max anticipated surface pressure: 3,515 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 4,571 psi

No backup mud specified.

**Tension:**

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

Non-directional string.

Tension is based on buoyed weight.  
Neutral point: 7,484 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	8800	4.5	11.60	L-80	LT&C	8800	8800	3.875	204
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	4571	6350	1.389	4571	7780	1.70	87	212	2.44 J

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

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

Date: October 26, 2004  
Salt Lake City, Utah

Remarks:

Collapse is based on a vertical depth of 8800 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

ROBERT L. MORGAN  
*Executive Director*

Division of  
Oil, Gas & Mining

LOWELL P. BRAXTON  
*Division Director*

OLENE S. WALKER  
*Governor*

GAYLE F. McKEACHNIE  
*Lieutenant Governor*

October 27, 2004

Westport Oil & Gas Company, LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 1022-16A Well, 763' FNL, 1096' FEL, NE NE, Sec. 16,  
T. 10 South, R. 22 East, Uintah County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-35946.

Sincerely,

John R. Baza  
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 1022-16A  
**API Number:** 43-047-35946  
**Lease:** ML3276

**Location:** NE NE                      **Sec.** 16                      **T.** 10 South                      **R.** 22 East

### Conditions of Approval

1. **General**

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

2. **Notification Requirements**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

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

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

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

3. **Reporting Requirements**

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

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

5. 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.

Page 2

API #43-047-35946

October 27, 2004

6. **Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis. (Copy Attached)**
7. **Surface casing shall be cemented to the surface.**



WESTPORT OIL AND GAS COMPANY, L.P.

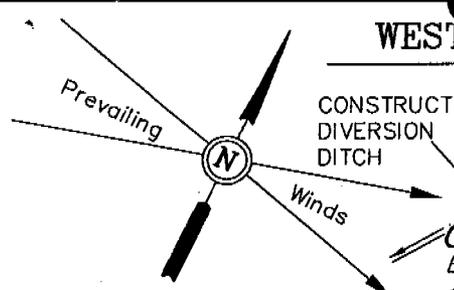
FIGURE #1

LOCATION LAYOUT FOR

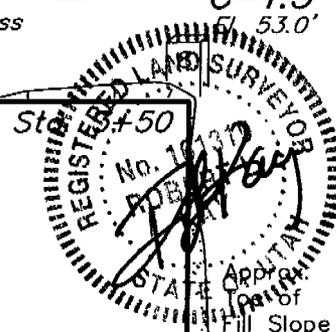
NBU #1022-16A

SECTION 16, T10S, R22E, S.L.B.&M.

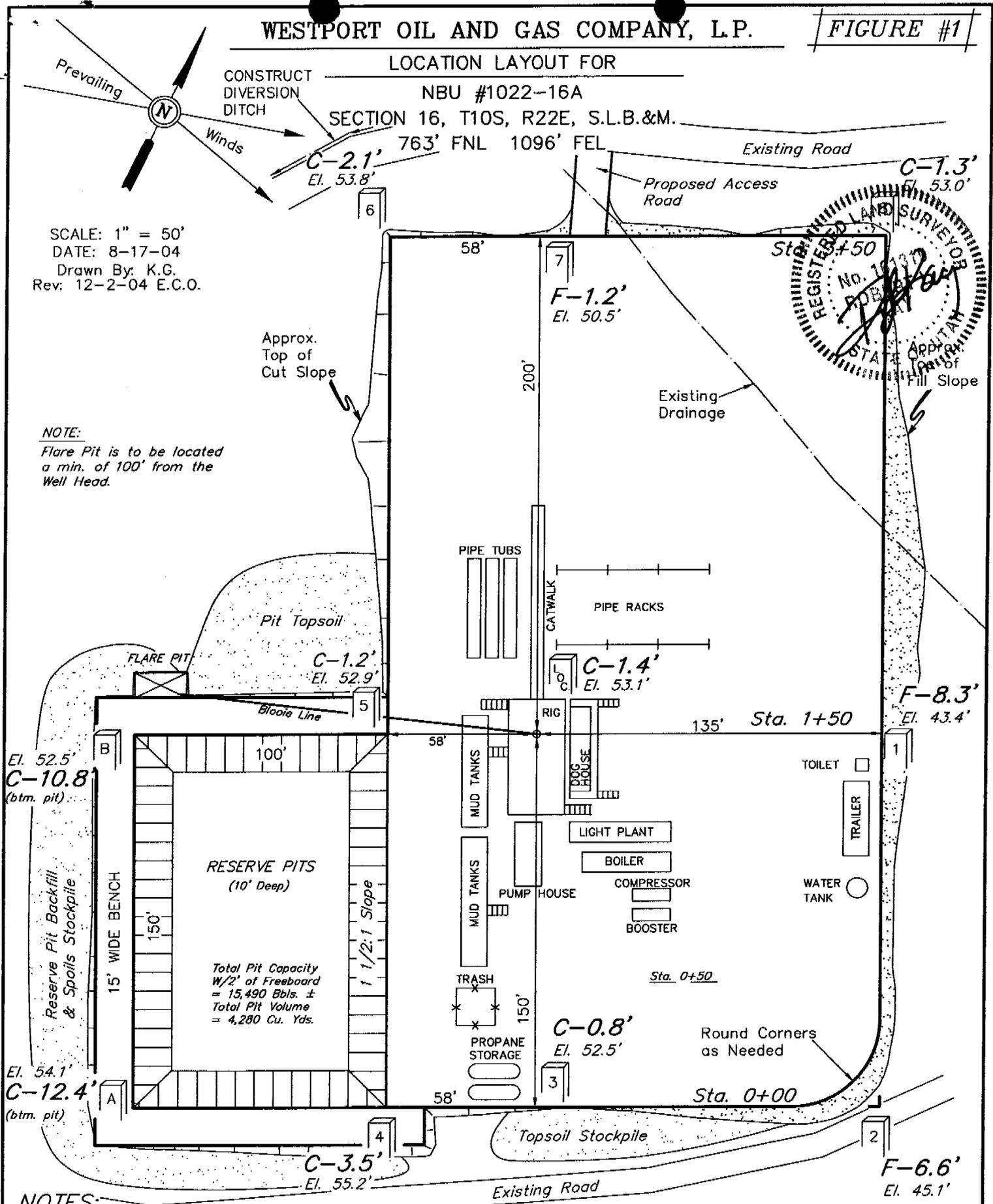
763' FNL 1096' FEL



SCALE: 1" = 50'  
DATE: 8-17-04  
Drawn By: K.G.  
Rev. 12-2-04 E.C.O.



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



NOTES:

Elev. Ungraded Ground At Loc. Stake = 5253.1'  
FINISHED GRADE ELEV. AT LOC. STAKE = 5251.7'

WESTPORT OIL AND GAS COMPANY, L.P.

FIGURE #2

TYPICAL CROSS SECTIONS FOR

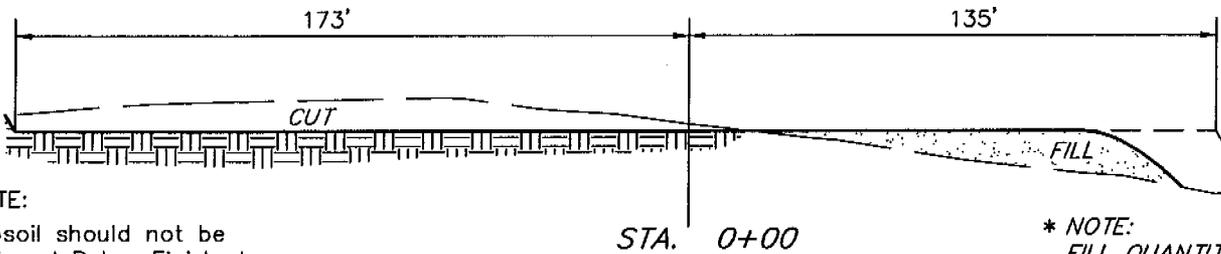
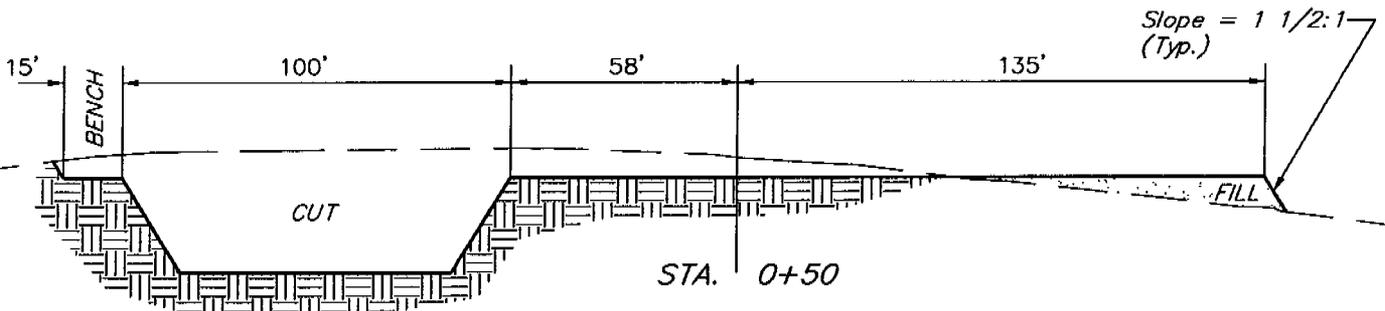
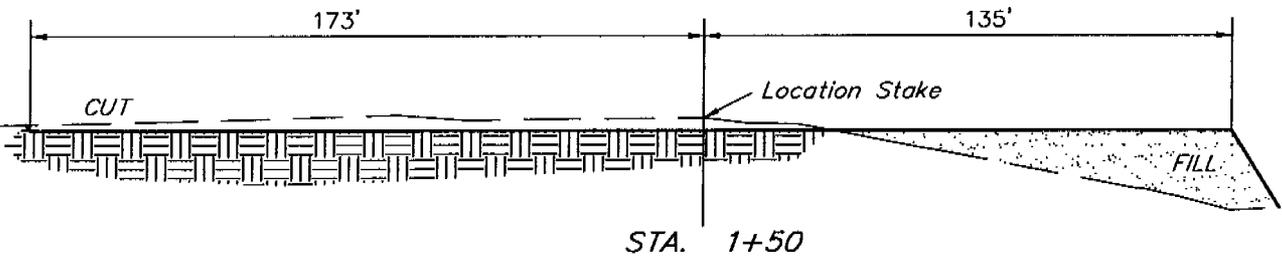
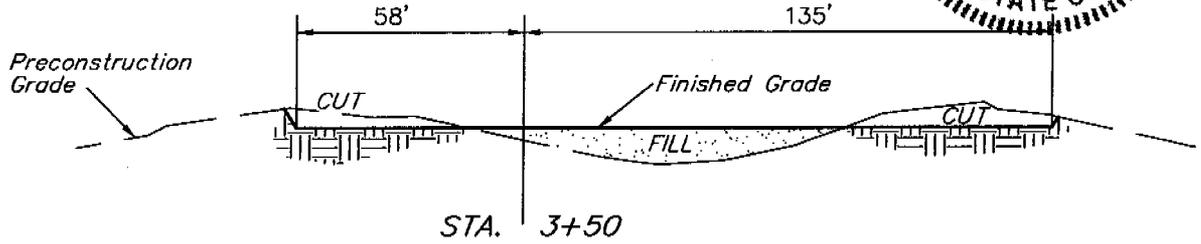
NBU #1022-16A

SECTION 16, T10S, R22E, S.L.B.&M.

763' FNL 1096' FEL

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

DATE: 8-17-04  
Drawn By: K.G.  
Rev: 12-2-04 E.C.O.



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

\* NOTE:  
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	= 1,800	Cu. Yds.
Remaining Location	= 8,040	Cu. Yds.
<b>TOTAL CUT</b>	<b>= 9,840</b>	<b>CU.YDS.</b>
<b>FILL</b>	<b>= 5,900</b>	<b>CU.YDS.</b>

EXCESS MATERIAL	= 3,940	Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 3,940	Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0	Cu. Yds.

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

**DIVISION OF OIL, GAS AND MINING**

**SPUDDING INFORMATION**

Name of Company: WESTPORT OIL & GAS COMPANY LP

Well Name: NBU 1022-16A

Api No: 43-047-35946 Lease Type: STATE

Section 16 Township 10S Range 22E County UINTAH

Drilling Contractor PETE MARTIN RIG # BUCKET

**SPUDDED:**

Date 07/20/05

Time \_\_\_\_\_

How DRY

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

Reported by FLETCHER MCKAMIE

Telephone # 1-435-828-0985

Date 07/21/05 Signed CHD

OPERATOR WESTPORT O&G COMPANY L.P.  
 ADDRESS 1368 SOUTH 1200 EAST  
VERNAL, UTAH 84078

OPERATOR ACCT. NO. N 2115

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	2900	43-047-35946	NBU 1022-16A	NENE	16	10S	22E	UINTAH	7/19/2005	7/28/05

WELL 1 COMMENTS:  
 MIRU PETE MARTIN BUCKET RIG *WSMUD*  
 SPUD WELL LOCATION ON 7/19/05 AT 8:00 AM

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	99999	2900	43-047-35947	NBU 1022-16C	NENW	16	10S	22E	UINTAH	7/15/2005	7/28/05

WELL 2 COMMENTS:  
 MIRU PETE MARTIN BUCKET RIG *WSMUD*  
 SPUD WELL LOCATION ON 7/15/05 AT 8:00 AM

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 3 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 4 COMMENTS:

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		

WELL 5 COMMENTS:

**ACTION CODES** (See instructions on back of form)  
 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)  
 NOTE: Use COMMENT section to explain why each Action Code (3/89)

Post-It® Fax Note 7671

Date	# of pages
To: ERICAE RUSSELL	From: SHEILA LUCHEADO
Co./Dept: UTD/MIM	Co: WESTPORT O&G GAS CO
Phone: (907) 539-5370	Phone: (435) 781-7024
Fax #: (801) 359-3940	Fax: (435) 781-7094

*Sheila Lucheado*  
 Signature  
 REGULATORY ANALYST 07/26/05  
 Title Date  
 (435) 781-7024

RECEIVED  
 JUL 26 2005

P. 01  
 FAX NO. 4357817094  
 JUL-26-2005 TUE 08:53 AM EL PASO PRODUCTION

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-3276**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
**NATURAL BUTTES UNIT**

8. WELL NAME and NUMBER:  
**NBU 1022-16A**

9. API NUMBER:  
**4304735946**

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

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

2. NAME OF OPERATOR:  
**WESTPORT OIL & GAS COMPANY L.P.**

3. ADDRESS OF OPERATOR:  
**1368 S. 1200 E.      CITY VERNAL      STATE UT      ZIP 84078**

PHONE NUMBER:  
**(435) 781-7024**

4. LOCATION OF WELL  
FOOTAGES AT SURFACE: **763'FNL & 1096'FEL**  
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENE 16 10S 22E**

COUNTY: **UINTAH**

STATE: **UTAH**

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

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

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

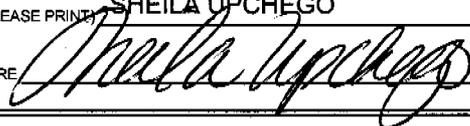
**MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 54# STEEL CONDUCTOR PIPE. CMT W/28 SX READY MIX CMT.**

**SPUD WELL LOCATION ON 7/19/05 AT 8:00 AM.**

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **REGULATORY ANALYST**

SIGNATURE



DATE **7/26/2005**

(This space for State use only)

**RECEIVED**

**AUG 01 2005**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

5. LEASE DESIGNATION AND SERIAL NUMBER:  
**ML-3276**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:  
**NATURAL BUTTES UNIT**

8. WELL NAME and NUMBER:  
**NBU 1022-16A**

9. API NUMBER:  
**4304735946**

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

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

2. NAME OF OPERATOR:  
**WESTPORT OIL & GAS COMPANY L.P.**

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

4. LOCATION OF WELL      COUNTY: **UINTAH**  
FOOTAGES AT SURFACE: **763'FNL & 1096'FEL**

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: **NENE 16 10S 22E**      STATE: **UTAH**

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

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

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

**FINISHED DRILLING FROM 1990' TO 8600'. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/315 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED W/999 SX 50/50 POZ @15.8 PPG 1.15 YIELD.**

**RELEASED PIONEER RIG #38 ON 8/8/05 AT 23:30 HRS.**

**RECEIVED**

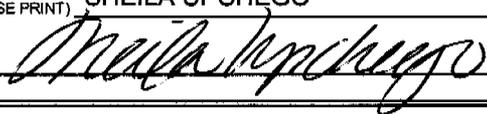
**AUG 16 2005**

DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) **SHEILA UPCHEGO**

TITLE **REGULATORY ANALYST**

SIGNATURE



DATE **8/9/2005**

(This space for State use only)

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER:  
ML-3276

**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 1022-16A

2. NAME OF OPERATOR:  
WESTPORT OIL & GAS COMPANY L.P.

9. API NUMBER:  
4304735946

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: 763'FNL & 1096'FEL

COUNTY: UINTAH

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 16 10S 22E

STATE: UTAH

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

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

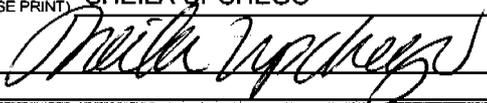
MIRU BILL MARTIN BUCKET RIG. DRILLED 12 1/4" SURFACE HOLE TO 1990'. RAN 9 5/8" 32.3# H-40 SURFACE CSG. LEAD CMT W/240 SX CLASS G @15.6 PPG 1.18 YIELD. TOP OUT W/605 SX CLASS G @15.8 PPG 1.15 YIELD.

WORT.

RECEIVED  
AUG 16 2005  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) SHEILA UPCHEGO

TITLE REGULATORY ANALYST

SIGNATURE 

DATE 8/3/2005

(This space for State use only)

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

FORM 9

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3276</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:
		7. UNIT or CA AGREEMENT NAME: <b>NATURAL BUTTES UNIT</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>NBU 1022-16A</b>	
2. NAME OF OPERATOR: <b>WESTPORT OIL &amp; GAS COMPANY L.P.</b>		9. API NUMBER: <b>4304735946</b>
3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 781-7024</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>763'FNL &amp; 1096'FEL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENE 16 10S 22E</b>		STATE: <b>UTAH</b>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <b>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 9/3/05 AT 9:30 AM.**  
**PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.**

**RECEIVED**  
**SEP 12 2005**  
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>REGULATORY ANALYST</b>
SIGNATURE 	DATE <b>9/6/2005</b>

(This space for State use only)

**WESTPORT OIL & GAS COMPANY, LP**

**CHRONOLOGICAL HISTORY**

**NBU 1022-16A**

<b>SPUD</b>	<b>Surface Casing Air Rig</b>	<b>Activity</b>	<b>Status</b>
06/13/05		Build Location, 10% complete	Pioneer38
06/14/05		Build Location, 10% complete	Pioneer38
06/15/05		Build Location, 20% complete	Pioneer38
06/16/05		Build Location, 30% complete	Pioneer38
06/17/05		Build Location, 40% complete	Pioneer38
06/20/05		Build Location, 40% complete	Pioneer38
06/21/05		Build Location, 45% complete	Pioneer38
06/22/05		Build Location, 50% complete	Pioneer38
06/23/05		Build Location, 50% complete	Pioneer38
06/24/05		Build Location, 55% complete	Pioneer38
06/27/05		Build Location, 60% complete	Pioneer38
06/28/05		Build Location, 60% complete	Pioneer38
06/29/05		Build Location, 60% complete	Pioneer38
06/30/05		Build Location, 60% complete	Pioneer38
07/01/05		Build Location, 60% complete	Pioneer38
07/04/05		Build Location, 65% complete	Pioneer38
07/05/05		Build Location, 65% complete	Pioneer38
07/06/05		Build Location, 65% complete	Pioneer38
07/07/05		Build Location, 90% complete	Pioneer38
07/08/05		Build Location, 95% complete	Pioneer38
07/11/05		Build Location, 95% complete	Pioneer38
07/12/05		Build Location, 95% complete	Pioneer38

07/13/05		Location Built, WOBR	Pioneer38
07/14/05		Location Built, WOBR	Pioneer38
07/15/05		Location Built, WOBR	Pioneer38
07/18/05		Location Built, WOBR	Pioneer38
07/19/05		Location Built, WOBR	Pioneer38
07/20/05		Location Built, WOBR	Pioneer38
07/21/05		Location Built, WOBR	Pioneer38
07/22/05		Location Built, WOBR	Pioneer38
07/25/05	7/20/05	Drill to 1990'. Set surf csg.	Pioneer38
07/26/05	7/20/05	Drill to 1990'. Set surf csg.	Pioneer38
07/27/05	7/20/05	Drill to 1990'. Set surf csg.	Pioneer38
07/28/05	7/20/05	Drill to 1990'. Set surf csg.	Pioneer38
08/01/05	7/20/05	Drill to 1990'. Set surf csg.	Pioneer38

TD: 3350' Csg. 9 5/8" @ 1955' MW: 8.4 SD: 7/31/05 DSS: 1  
MIRU Pioneer 38. NU and test BOPE. PU 7 7/8" PDC bit and MM. Drill cement and FE.  
Rotary spud @ 1330 hrs 7/31/05. Drill from 1990' to 3350'. DA @ report time.

08/02/05 TD: 4838' Csg. 9 5/8" @ 1955' MW: 8.4 SD: 7/31/05 DSS: 2  
Drill from 3350'-4838'. DA @ report time.

08/03/05 TD: 5879' Csg. 9 5/8" @ 1955' MW: 8.4 SD: 7/31/05 DSS: 3  
Circulate btms up and trip for dropping bit. Drill and survey from 4838'-5879'. DA @ report time.

08/04/05 TD: 6765' Csg. 9 5/8" @ 1955' MW: 8.4 SD: 7/31/05 DSS: 4  
Drill and survey from 5879'-6550'. Close in mud system and mud up. Drill to 6765'. DA @ report time.

08/05/05 TD: 7746' Csg. 9 5/8" @ 1955' MW: 8.8 SD: 7/31/05 DSS: 5  
Drill and survey from 6765'-7746'. DA @ report time.

08/08/05 TD: 8600' Csg. 9 5/8" @ 1955' MW: 10.2 SD: 7/31/05 DSS: 8  
Drill from 7746'-7851'. TFNB. Drill to 8600' TD. CCH and short trip to top of Wasatch. CCH for logs. RU Computer Log and run Triple Combo. TIH and CCH for casing. Lay down drill string. RU casing crew and run 4 1/2" Production Casing @ report time.

08/09/05 TD: 8600' Csg. 9 5/8" @ 1955' MW: 10.2 SD: 7/31/05 DSS: 8  
Run and cement 4 1/2" Production Casing. Set slips and release rig @ 2330 hrs 8/8/05. Rig down rotary tools @ report time.

08/26/05 PROG: 7:00 AM HELD SAFETY MEETING, PU 3-7/8" MILL & SUB, PU TALLY & DRIFT

272 JTS 2-3/8" J-55 4.7# TBG RU RIG PMP CIRC WL CLEAN TO 8,540' PBTD, POOH & LD  
27 JTS EOT @ 7,595' SWI, SDFN 4:00 PM.

**08/29/05**

PROG: 7:00 AM HELD SAFETY MEETING. POOH W/245 JTS OF 2-3/8" J-55 TBG. ND BOP, NU FRAC VALVES. MIRU CUTTERS TO LOG & PERF ZONE 1. RIH TAG PBTD @ 8,545' GOOD CEMENT BOND CEMENT TOP @ 140'. POOH W/CEMENT BOND LOG. MIRU B&C QUICK TEST TO TEST CSG. TEST CSG & BOTH FRAC VALVES TO 7,500# GOOD TEST. RDMO B&C QUICK TEST. RIH W/3-3/8" EXP GUNS 23 GRM .35 HOLES 90 DEG PHASING PERF 8,242'-8,246' 4SPF & 8,087'-8,090' 4SPF (28 HOLES) POOH W/WIRE LINE. SWI SDFN 3:00 PM.

**08/30/05**

PROG: 7:00 AM HELD SAFETY MEETING, MIRU BJ & CUTTERS TO FRAC & PERF PRESS TEST SURFACE LINES TO 8,150#, WHP: 470#.

STAGE 1: BRK 3886# @ 3.2 BPM, ISIP: 2,775#, FG: .77. PMP 100 BBLS @ 38.8 BPM @ 5,775# 28 OF 28 HOLES OPEN. MP: 5,150#, MR: 43.1 BPM, AP: 4,753#, AR: 41.6 BPM, ISIP: 3,650#, FG: .88, NTI 875#, PMPD 2,334 BBLS LGHTG 20#, 307,517 # 20/40 SD & 3,162 # FLEX SD.

STAGE 2: RIH W/3-3/8" EXP GUNS 23 GRM .35 HOLES 90 DEG PHASING & CPB SET HALLIBURTON 5K CBP @ 7,670, & PERF 7622'-7628' 4SPF 7499'-7504' 4SPF 44 HOLES BRK 4,782# @ 2.2 BPM, ISIP: 3,250#, FG: .86. PMP 30 BBLS @ 34.1 BPM @ 6,038# 30 OF 44 HOLES OPEN. MP: 5,775#, MR: 40.1 BPM, AP: 5,485#, AR: 38.7 BPM, ISIP: 4,307#, FG: 1.0, NPI: 1,057#, PMPD 2,489 BBLS LGHTG 20#, 340,450 # 20/40 SD & 3,897 # FLEX SD.

STAGE 3: RIH W/3-3/8" EXP GUNS 23 GRM .35 HOLES 90 DEG PHASING & CPB SET HALLIBURTON 5K CBP @ 7,020' & PERF 6970'-6977' 4SPF & 6865'-6872' 4SPF 56 HOLES BRK 5,463# @ 4.2 BPM, ISIP: 1,930#, FG: .71. PMP 25 BBLS @ 34.8 BPM @ 4,587# 40 OF 56 HOLES OPEN. MP: 4,485#, MR: 35.0 BPM, AP: 3,960#, AR: 34.9 BPM, ISIP: 3,530#, FG: .94, NPI: 1,600#, PMPD 1,065 BBLS LGHTG 18#, 136,334 # 20/40 SD & 1,525 # FLEX SD.

STAGE 4: RIH W/3-3/8" EXP GUNS 23 GRM .35 HOLES 90 DEG PHASING & CPB SET HALLIBURTON 5K CBP @ 5,578' & PERF 5,546'-5,550' 4SPF & 5211'-5217' 4SPF 40 HOLES BRK 1,915# @ 3.6 BPM, ISIP: 630#, FG: .55. PMP 30 BBLS @ 41.5 BPM @ 2,917# 40 OF 40 HOLES OPEN. MP: 3090#, MR: 45.1 BPM, AP: 3,005#, AR: 44.8 BPM, ISIP: 1550#, FG: .72, NPI: 920#, PMPD 1,079 BBLS LGHTG 18#, 110,840 # 20/40 SD & NO FLEX SD PMPD.

DURING THE 5 PPA STAGE, A TRANSMISSION HOSE BLEW A LEAK ON THE MIDDLE PMP TRUCK ON THE SOUTH SIDE OF LOCATION SPRAYING OIL ON THE MANIFOLD OF BJ'S PMP TRUCK STARTING ON FIRE. FLAMES FROM THE FIRE WERE AS HIGH AS 10 FEET. SHUT JOB DN @ 2:50, SWI. EVACUATED LOCATION. FOUR BJ EMPLOYEES PUT OUT FIRE WITH FIRE EXTINGUISHERS & SPRAYED TRUCKS WITH WATER TO COOL OFF METAL. @ 3:05 PM HELD SAFETY MEETING. STARTED TWO PMPs & FLUSHED WL SWI SDFN 4:00 PM.

**08/31/05**

PROG: 7:00 HELD SAFETY MEETING. RIH W/3-1/8" 12 GRM .34 HOLES 90 DEG PHASING & HALLIBURTON 5K CBP. SET CBP @ 4,904' & PERF 4,868'-4,874' (24 HOLES)

STAGE 5: BRK 1,590# @ 3.7 BPM, ISIP: 400 #, FG: .52. PMP 25 BBLS @ 35.2 BPM @ 2,653# 17 OF 24 HOLES OPEN. MP: 2,240#, MR: 35.8 BPM, AP: 2,015#, AR: 35.7 BPM, ISIP: 1,550#, FG: .75, NPI: 1,150#, PMPD 703 BBLS LGHTG 18#, 88,000 # 20/40 SD & 1,480 # FLEX SD. KILL PLUG. RIH SET 5K BAKER @ 4,800'. RDMO CUTTERS & BJ. PU 3-7/8" BIT & FAST EDDIE POBS, RIH W/152 JTS OF 2-3/8" J-55 TBG. EOT @ 4,774', RU PWR SWVL & RIG PMP PREP TO DRL CBP. SWI SDFN 3:00 PM.

**09/01/05**

PROG: 7:00 AM HOLD SAFETY MEETING, BRK CIRC W/2% KCL WATER C/O 15' OF SD TAG PLUG #1 @ 4,800' DRL PLG IN 5 MIN NO PSI INCREASE LOST CIRC. REGAINED CIRC AFTER PMPG 51 BBLs, RIH C/O 45' OF SD TAG PLUG #2 @ 4,904' DRL PLG IN 7 MIN NO# INCREASE PMPG 2 BPM RETURNS @ 1.5 BPM, RIH C/O 90' OF SD TAG PLUG #3 @ 5,578' DRL PLG IN 10 MIN 100# INCREASE RIH C/O 100' OF SD TAG PLUG #4 @ 7,020' DRL PLG IN 10 MIN 500# INCREASE RIH C/O 45' OF SD TAG PLUG #5 @ 7,670' DRL PLG IN 12 MIN 1,200# INCREASE RIH C/O 150' OF SD TO 8,411' TOTAL JTS IN WL 267, CIRC WL CLEAN, POOH LD 35 JTS LAND TBG W/232 JTS IN WL EOT @ 7,312.14' DROP BALL FOR PMPG OFF BIT, RD PWR SWVL ND BOP, NU WH RU RIG PMP. PMP OFF BIT @ 1,500# TURN WL OVER TO FLW TESTERS @ 3:00 PM RD RIG SDFN 4:00 PM.

**09/02/05**

PROG: WELL ON FLOWBACK, FLOWBACK REPORT: CP: 1225#, TP: 650#, 22/64 CHK, 25 BWP, 24 HRS, SD: TRACE, TTL BBLs FLWD: 720, TODAY'S LTR: 5770 BBLs, LOAD REC TODAY: 720 BBLs, REMAINING LTR: 5050 BBLs, TOTAL LOAD REC TO DATE: 2620 BBLs.

**09/06/05**

**ON SALES**

09/03/05: 474 MCF, 0 BC, 494 BW, TP: 445#, CP: 1027#, 24/64 CHK, 19 HRS, LP: 337#.

09/04/05: 796 MCF, 0 BC, 260 BW, TP: 849#, CP: 1007#, 24/64 CHK, 24 HRS, LP: 339#.

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

AMENDED REPORT  FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3276</b>
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> OTHER _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME <b>NATURAL BUTTES UNIT</b>
2. NAME OF OPERATOR: <b>WESTPORT OIL &amp; GAS COMPANY L.P.</b>		8. WELL NAME and NUMBER: <b>NBU 1022-16A</b>
3. ADDRESS OF OPERATOR: <b>1368 S. 1200 E. CITY VERNAL STATE UT ZIP 84078</b>		9. API NUMBER: <b>4304735946</b>
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: <b>763'FNL &amp; 1096'FEL</b>  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH: _____		10 FIELD AND POOL, OR WILDCAT <b>NATURAL BUTTES</b>
		11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENE 16 10S 22E</b>
		12. COUNTY <b>UINTAH</b>
		13. STATE <b>UTAH</b>

14. DATE SPUNDED: <b>7/19/2005</b>	15. DATE T.D. REACHED: <b>8/8/2005</b>	16. DATE COMPLETED: <b>9/3/2005</b>	ABANDONED <input type="checkbox"/> READY TO PRODUCE <input checked="" type="checkbox"/>	17. ELEVATIONS (DF, RKB, RT, GL): <b>5253'GL</b>
18. TOTAL DEPTH: MD <b>8,600</b> TVD _____	19. PLUG BACK T.D.: MD <b>8,545</b> TVD _____	20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD _____
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) <b>CBL-CCL-GR</b>			23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit copy)	

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14" STL			40		28			
12 1/4"	9 5/8 H-40	<b>39.3</b>		1,990		845 <b>G</b>			
7 7/8"	4 1/2 I-80	<b>11.6</b>		8,600		1314 <b>(315 Perm Lib, 999 50/50 P02)</b>			

**25. TUBING RECORD**

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	7,312							

26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) WASATCH	4,868	5,550			4,868 5,550	0.35	64	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) MESAVERDE	6,865	8,246			6,865 8,246	0.35	112	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4868'-5550'	PMP 1782 BBLs LIGHTNING 18 & 198,840# 20/40 OTTOWA SD
6865'-8246'	PMP 5888 BBLs LIGHTNING 20 & 784,291# 20/40 OTTOWA SD

**29. ENCLOSED ATTACHMENTS:**

ELECTRICAL/MECHANICAL LOGS       GEOLOGIC REPORT       DST REPORT       DIRECTIONAL SURVEY

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

**30. WELL STATUS:**  
**PROD**

**RECEIVED**  
**OCT 04 2005**

DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in Item #26)

DATE FIRST PRODUCED: 9/3/2005		TEST DATE: 9/6/2005		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,735	WATER - BBL: 360	PROD. METHOD: FLOWING
CHOKE SIZE: 24/64	TBG. PRESS. 506	CSG. PRESS. 938	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,735	WATER - BBL: 360	INTERVAL STATUS: PROD

INTERVAL B (As shown in Item #26)

DATE FIRST PRODUCED: 9/3/2005		TEST DATE: 9/6/2005		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,735	WATER - BBL: 360	PROD. METHOD: FLOWING
CHOKE SIZE: 24/64	TBG. PRESS. 506	CSG. PRESS. 938	API GRAVITY	BTU - GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL - BBL: 0	GAS - MCF: 1,735	WATER - BBL: 360	INTERVAL STATUS: PROD

INTERVAL C (As shown in Item #26)

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

INTERVAL D (As shown in Item #26)

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

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

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
WASATCH MESAVERDE	4,292 6,623	6,623			

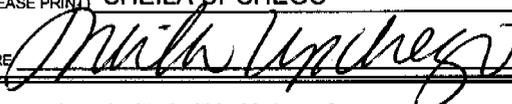
35. ADDITIONAL REMARKS (Include plugging procedure)

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 9/29/2005

This report must be submitted within 30 days of

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

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

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

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

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

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

FORM 9

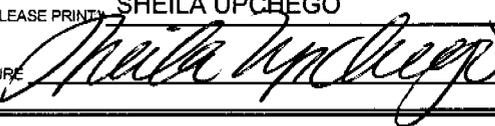
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		5. LEASE DESIGNATION AND SERIAL NUMBER: <b>ML-3276</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: <b>NATURAL BUTTES UNIT</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____	8. WELL NAME and NUMBER: <b>NBU 1022-16A</b>	
2. NAME OF OPERATOR: <b>WESTPORT OIL &amp; GAS COMPANY L.P.</b>		9. API NUMBER: <b>4304735946</b>
3. ADDRESS OF OPERATOR: 1368 S. 1200 E. CITY <b>VERNAL</b> STATE <b>UT</b> ZIP <b>84078</b>	PHONE NUMBER: <b>(435) 781-7024</b>	10. FIELD AND POOL, OR WILDCAT: <b>NATURAL BUTTES</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>763'FNL &amp; 1096'FEL</b>		COUNTY: <b>UINTAH</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>NENE 16 10S 22E</b>		STATE: <b>UTAH</b>

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input checked="" 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 type="checkbox"/> OTHER: _____
	<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.  
**02/08/06 PROG: RU KILL WL 50 BBL 2%, PU, RIH W/2-3/8 TAG @ 8259'. POOH. LD 29 JTS JUNK TBG MAKE UP MILL. SDFN EOT 4300'.**

**02/09/06 PROG: SPOT 400 GALS 15% HCL ACROSS PERF PICK UP RIH TO 8250' POOH W/MILL LAY DN MILL PU PROD EQUIP RIH BROACH TBG LAND TBG ON WL HEAD W/232 JTS EOT 7301.85'. ND BOP, NU TREE. RD SDFN.**

<b>TBG DETAIL</b>	
KB	15.00
HANGER	1.00
232 JTS 2,3/8	7284.75
F-NIPPLE F-EDDIE	1.10
EOT	7301.85

NAME (PLEASE PRINT) <b>SHEILA UPCHEGO</b>	TITLE <b>REGULATORY ANALYST</b>
SIGNATURE 	DATE <b>2/27/2006</b>

(This space for State use only)

**RECEIVED**

**MAR 10 2006**

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**

**FROM:** (Old Operator):  
 N2115-Westport Oil & Gas Co., LP  
 1368 South 1200 East  
 Vernal, UT 84078  
 Phone: 1-(435) 781-7024

**TO:** ( 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
- 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
- Federal and Indian Units:**  
 The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
- Federal and Indian Communization Agreements ("CA"):**  
 The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
- 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

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

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.

**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 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.

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

BLM BOND = C01203  
BIA BOND = RLB0005239

APPROVED 5116106

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

DIV. OF OIL, GAS & MINING

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

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

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

5. Lease Serial No.

**MULTIPLE LEASES**

6. If Indian, Allottee or Tribe Name

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

**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**

8. Well Name and No.

**MUTIPLE WELLS**

9. API Well No.

10. Field and Pool, or Exploratory Area

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**UINTAH COUNTY, UTAH**

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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)

**BRAD LANEY**

Signature

Title

**ENGINEERING SPECIALIST**

Date

**May 9, 2006**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

*Brad Laney*

Title

Date

**5-9-06**

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.

<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> ML3276
<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 1022-16A
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.	<b>9. API NUMBER:</b> 4304735946000
<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> 0763 FNL 1096 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NENE Section: 16 Township: 10.0S Range: 22.0E 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: 4/5/2010	<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 checked="" type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: _____

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

THIS WELL RETURNED TO PRODUCTION ON 4/5/2010.

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

**FOR RECORD ONLY**

April 13, 2010

<b>NAME (PLEASE PRINT)</b> Andy Lytle	<b>PHONE NUMBER</b> 720 929-6100	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/13/2010