

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

001

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		7. If Unit or CA Agreement, Name and No.
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		8. Lease Name and Well No. Glen Bench 822-22C
2. Name of Operator Westport Oil & Gas Company, L.P.		9. API Well No. 43-047-35122
3A. Address P.O. Box 1148 Vernal, UT 84078	3b. Phone No. (include area code) (435) 781-7023	10. Field and Pool, or Exploratory Natural Buttes
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENW 631' FNL, 1957' FWL 4441414Y 40.11426 At proposed prod. Zone 634015Y -109.42745		11. Sec., T., R., M., or Blk, and Survey or Area Sec. 22, T8S, R22E
14. Distance in miles and direction from nearest town or post office* 12 Miles West of Redwash, UT		12. County or Parish Uintah
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 631'		13. State UT
16. Nc. of Acres in lease 1920	17. Spacing Unit dedicated to this well 40	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Refer to Topo C	19. Proposed Depth 12,000	20. BLM/BIA Bond No. on file CO 1203
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5033.4' GL	22. Approximate date work will start* Upon Approval	23. Estimated duration

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification.</li> <li>6. Such other site specific information and/or plans as may be required by the authorized office.</li> </ul> |
|---|--|

25. Signature 	Name (Printed/Typed) Cheryl Cameron	Date 8/4/2003
Title Sr. Regulatory Analyst		
Approved by (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 08-14-03
Title Environmental Scientist III		

Federal Approval of this Action is Necessary

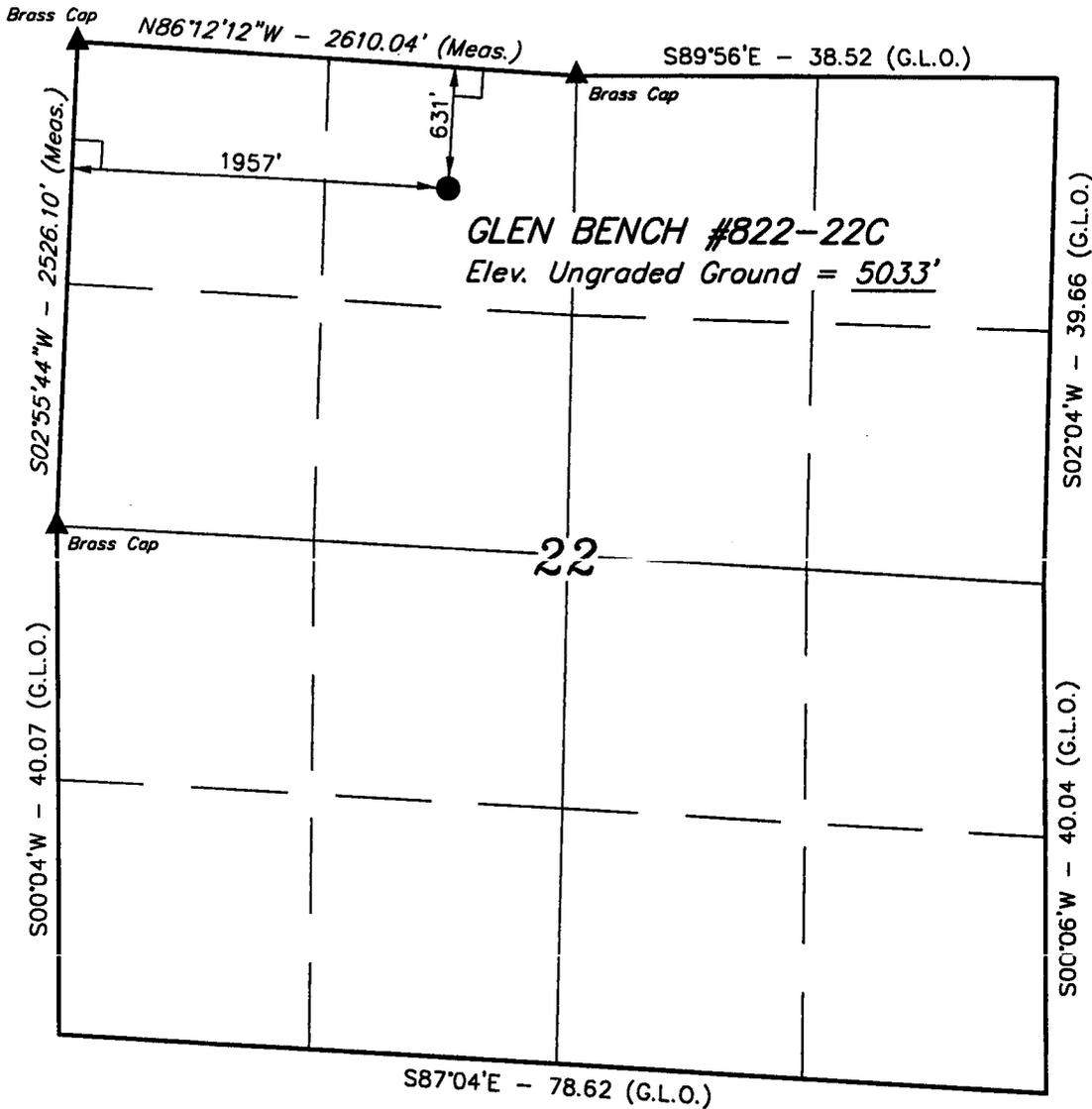
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

\*(Instructions on reverse)

RECEIVED  
AUG 11 2003  
DIV. OF OIL, GAS & MINING

T8S, R22E, S.L.B.&M.



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

(NAD 83)  
 LATITUDE = 40°06'50.46" (40.114017)  
 LONGITUDE = 109°25'41.84" (109.428289)

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

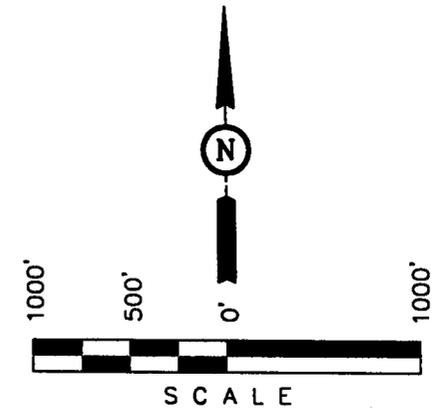
Well location, GLEN BENCH #822-22C, located as shown in the NE 1/4 NW 1/4 of Section 22, T8S, R22E, S.L.B.&M. Uintah County, Utah.

**BASIS OF ELEVATION**

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

**BASIS OF BEARINGS**

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



**CERTIFICATE**

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

*[Signature]*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

<b>UINTAH ENGINEERING &amp; LAND SURVEYING</b>		
85 SOUTH 200 EAST - VERNAL, UTAH 84078		
(435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 7-23-03	DATE DRAWN: 7-30-03
PARTY K.K. M.B. C.G.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE	WESTPORT OIL AND GAS COMPANY, L.P.

**GLEN BENCH 822-22C  
NE/NW Sec. 22, T8S, R22E  
UINTAH COUNTY, UTAH  
U-28652**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Geologic Surface Formation:**

<u>Formation</u>	<u>Depth</u>
Uinta	2340'
Wasatch	5740'
Mesaverde	8220'

**2. Estimated Tops/Depths of Important Geologic Markers/Anticipated Gas:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Uinta	2340'
Gas	Wasatch	5740'
Gas	Mesaverde	8220'
	TD	12000'

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

The BOP stack will consist of one 11" 5,000 psi annular BOP, one 11" 5,000 psi double ram, and one 11' drilling spool. The lower ram will contain pipe rams, and the upper ram will contain blind rams.

The choke and kill lines and the choke manifold will have a 5,000 psi minimum pressure rating.

The hydrill will be tested to 1,500 psi. The rams, choke manifold, kelly safety valves, drill string safety valves, and inside BOP will be tested to 5,000 psi.

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

The Surface casing and the Production casing will be new.

Please refer to the attached Casing & Cementing Program.

**5. Drilling Fluids Program:**

Please refer to the attached Drilling Fluids Program

6. **Evaluation Program:** (Logging)

Please refer to the attached Drilling Program.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated @ 12,000' TD approximately equals 4,800 psi (calculated at 0.4 psi/foot). Maximum anticipated surface pressure equals approximately 2,160 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

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

9. **Variances:**

None anticipated.

10. **Other:**

A Class III Archaeological Study Report prepared by SENCO-PHENIX is attached.

**GLEN BENCH 822-22C  
NE/NW SEC. 22, T8S, R22E  
UINTAH COUNTY, UTAH  
U-28652**

**ONSHORE ORDER NO. 1**

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

**1. Existing Roads:**

Directions to the proposed location are attached.

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

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

**2. Planned Access Roads:**

The proposed access road is approximately 80' +/- . Refer to Topo Map B.

The access road will be crowned (2 to 3%), ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe and usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free-flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing or shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches, and the turnouts kept clear so that snowmelt will be channeled away from the road.

**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 requested color is Carlsbad Canyon (2.5 Y 6/2) as determined during the on-site inspection.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Refer to Topo Map D for the proposed pipeline .

**5. Location and Type of Water Supply:**

Water for drilling purposes will be obtained from Dalbo Inc.'s underground well located in Ouray, Utah, Sec.32, T4S,R3E, Water User Claim #43-8496, Application #53617.

Water will be hauled to location over the roads marked on Maps A and B.

No water well is to be drilled on this lease.

**6. Source of Construction Materials:**

Surface and subsoil materials in the immediate area will be utilized.

Any gravel will be obtained from a commercial source.

**7. Methods of Handling Waste Materials:**

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit. Upon termination of drilling and completion operations, the liquid contents of the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break, or allow discharge of liquids.

A plastic reinforced liner with felt is to be used as discussed during on-site inspection. 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.

Contractors should take caution to direct blast in the pit around edges of ledge to avoid fracturing rock.

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. (Request is in lieu of filing Form 3160-5, after initial production).*

**8. Ancillary Facilities:**

None are anticipated.

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

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

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

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.

#### **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.

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:**

Bureau of Land Management  
170 South 500 East  
Vernal, UT 84078  
(435) 789-1362

**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.

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

Cheryl Cameron  
Sr.Regulatory Analyst  
Westport Oil & Gas Co., L.P.  
P.O. Box 1148  
Vernal, UT 84078  
(435) 781-7023

Randy Bayne  
Drilling Manager  
Westport Oil & Gas Co., L.P  
PO. 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 Oil & Gas Company, L.P. is considered to be the operator of the subject well. Westport Oil & Gas Company, L.P. agrees to be responsible under the terms and the conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104 for the lease activities is being provided by BLM Nationwide Bond CO 1203.

I hereby certify that the proposed drill site and access route has been inspected and 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.

  
Cheryl Cameron

7/15/03  
Date

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

## **GLEN BENCH #822-22C SECTION 22, T8S, R22E, S.L.B.&M.**

**PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 19.2 MILES ON STATE HIGHWAY 45 TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY, THEN SOUTHWESTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; TURN RIGHT AND PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 4.7 MILES TO BEGINNING OF THE PROPOSED ACCESS ROAD TO THE NORTHWEST; FOLLOW ROAD FLAGS IN A NORTHWESTERLY DIRECTION APPROXIMATELY 200' TO THE PROPOSED LOCATION.**

**TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 31.6 MILES.**



SENCO-PHENIX

AN INTENSIVE CULTURAL RESOURCE SURVEY  
AND INVENTORY OF THE PROPOSED RED WASH UNIT  
#14-27A AND GLEN BENCH UNITS #13W-3-8-22 & #3W-22-8-22  
WELL PADS AND ACCESS CORRIDORS

UINTAH COUNTY, UTAH

PERFORMED FOR  
SHENANDOAH ENERGY INC.

In Accordance with Bureau of Land Management and  
Utah State Guidelines  
Antiquities Permit #U00SC0473b

SPUT-347  
September 6, 2000

John A. Senulis

Direct Charge of Fieldwork

# UTAH SHPO

## COVER SHEET

Project Name: Intensive Cultural Resource Survey and Inventory of the Red Wash Unit #14-27A and Glen Bench Units #13W-3-8-22 & #3W-22-8-22 Well Pads and Access Corridors

Shenandoah Energy Inc.

State #U00SC0473b

Report Date: September 6, 2000

County (ies): Uintah

Principal Investigator/ Field Supervisor: John A. Senulis

Records Search/Location/Dates: August 25, 2000, Division of State History

Acreage Surveyed: 65 acres

Intensive Acres: 65

Recon/Intuitive Acres: 0

U.S.G.S. 7.5 Quad: Red Wash NW, Utah (1968) and Red Wash SW, Utah (1968)

Sites Reported	Number	Smithsonian Site #(s):
Archeological Sites:	0	
Revisit (No IMACS update)	0	
Revisit (IMACS update attch.)	0	
New Sites (IMACS attached	0	
Archeological Site Total:	0	
Historic Structures:		
(USHS Site Form Attached)		
Total NRHP Eligible Sites,	0	

---

### Checklist of Required Items:

1. X 1 Copy of Final Report
2. X Copy of U.S.G.S. 7.5' map showing surveyed/excavated area
3. Completed IMACS Site Inventory Forms Including
  - \_\_\_\_\_ Parts A and B or C
  - \_\_\_\_\_ IMACS Encoding Form
  - \_\_\_\_\_ Site Sketch Map
  - \_\_\_\_\_ Photographs
  - \_\_\_\_\_ Copy of USGS 7.5' Quad with Smithsonian site Number
4. X Completed Cover Sheet



## Abstract

An intensive cultural resource survey and inventory was performed on three projects within the Red Wash and Glen Bench Oil and Gas Fields. The projects are as follows:

- Red Wash Unit #14-27A, well pad, ten-acre buffer and pipeline corridor in Sections 27, 28, T7S, R22E.

- Glen Bench Unit #13W-3-8-22, well pad, ten-acre buffer, access, pipeline and powerline corridors in Sections 3, 4, 8, 9, T8S, R22E.

- Glen Bench Unit #3W-22-8-22, well pad, ten-acre buffer and pipeline corridor in Sections 15, 22, T8S, R22E.

The project areas are on lands administered by the Bureau of Land Management. The purpose of the survey was to determine if significant cultural resources would be affected by the proposed project. Each well is presented as a separate segment within this report.

Except for the occasional cable, pipeline and can remnants of oilfield detritus, No cultural resources were located and the probability of undetected remains is remote. Archeological clearance for the proposed projects is recommended.

## Specific Environment

The Red Wash and Glen Bench Oil and Gas Fields are located on broad flat mesas divided by deep erosional washes. Soils are typically gravelly clay loams with areas of residual sand in areas of exposed sandstone bedrock. Vegetation is primarily low sagebrush with various grasses, some introduced for grazing purposes, and forbs. There are clusters of Pinyon-juniper, particularly in areas of residual sand. Water is a scarce commodity in both oilfields and occurs as infrequent springs or intermittent flowing washes.

The oilfields are bounded by the deeply dissected badlands of Walker Hollow to the north; by Raven Ridge to the east; by the Green River drainage to the west and by the broad valleys of the White River to the south.

## Previous Research

The Antiquities Branch, Division of State History on August 25, 2000, conducted a file search. The file search revealed that the following projects had been performed:

- 1979, Nickens and Associates (for BLM) surveyed several blocks near the project areas. No cultural resources were located. (U79NH0278)
- 1979, Nickens and Associates surveyed a wide powerline corridor through Sections 18, 19 and 20. No cultural resources were located near the current project areas. (U79NH0297)
- 1982, Western Wyoming College surveyed a series of transmission lines near and including part of the project area for the GBU #13W-3 well location. No cultural resources were located. (U82-230)
- 1982, WWC also surveyed a pipeline location east of the GBU #3-22 well location. No cultural resources were located. (U82-527)
- 1982, Utah Archeological Research Corporation surveyed a forty acre block for an oil well near the Glen Bench #GBU #3-22 well location. No cultural resources were located. (U81-181)
- 1987, Sagebrush Archeological Consultants surveyed a powerline through Sections 28, 29 & 30. No cultural resources were located. (U87SJ486)
- 1992, AERC, for an alternative highway location, surveyed a broad transect through the middle of the proposed GBU #3-22 well location. No cultural resources were located. (U91-301)
- Various, SENCO-PHENIX has performed various surveys near the proposed project with no cultural resources located close to the project area.

## Methodology

John & Jeanne Senulis and Brett Richman of SENCO-PHENIX performed a Class III intensive walkover survey of the well pads, ten-acre buffers and various access corridors on August 31, 2000. Meandering transects no further spaced than 15 meters were employed. Right of ways were surveyed to a width of 30 meters. Special attention was given to sandy areas around exposed bedrock and to areas of subsurface soil exposure from animal burrowing, and erosion. The sky was partly cloudy with temperatures ranging from the mid to high 80s. Soils were dry. All field notes and digital photographs are on file at the offices of SENCO-PHENIX in Price, Utah.

**Red Wash Unit #14-27A**  
Well Pad, Ten-Acre Buffer & Pipeline Corridor

**Project Location**

The project area is in the SW/SW ¼ of Section 27, T7S, R22E. The access road will be an improved oilfield road adjacent to the well pad. The proposed pipeline will run northwesterly 1,800 feet to an existing pipeline in the NE/SE ¼ of Section 28, T7S, R22E. The well pad and corridors were all flagged. The project area is shown on the enclosed copy of U.S.G.S. 7.5' Quad: Red Wash NW, Utah (1968).

**Specific Environment**

The project area is on the southern part of Deadman Bench. Soils are tan, sandy clay loams. Vegetation in the project area is sparse and includes sagebrush, rabbitbrush, prickly pear cactus, Indian ricegrass, Galleta grass and various grasses. There is no permanent water in the project area

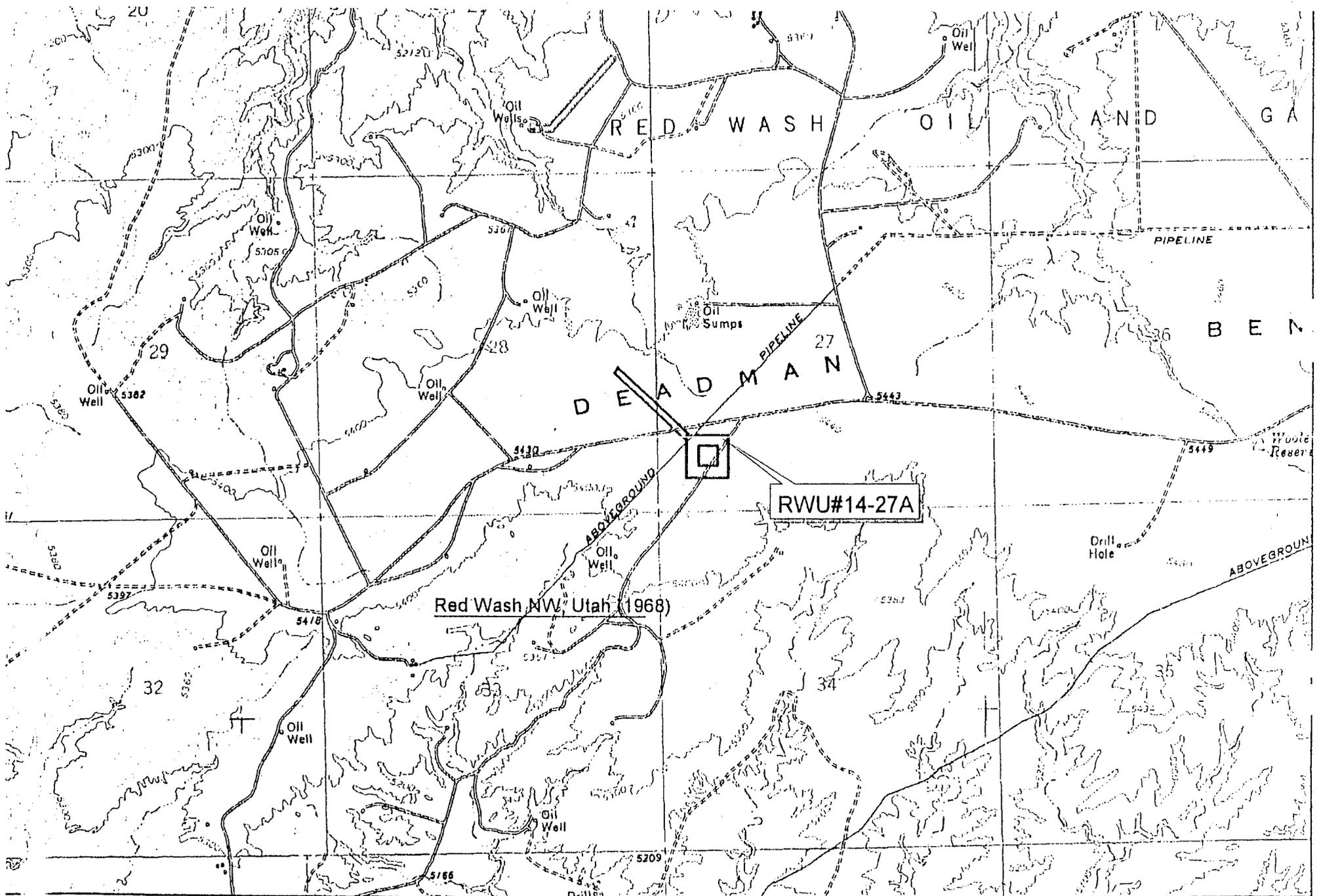


View Northwest of the Project Area

**Findings and Recommendations**

No cultural resources were located and the probability of undetected remains is remote. Archeological clearance for the proposed project is recommended.

These recommendations are subject to approval or modification by the BLM Book Cliff's Resource Area Manager and the Utah State Historic Preservation Office.



Scale 1:24 000

-  Current Survey
-  Previous Survey

Shenandoah Energy Inc.

Red Wash Field

Sections 27, 28, T.7 S., R.22 E.

**Glen Bench Unit #13W-3-8-22**  
Well Pad, Ten-Acre Buffer, Access, Pipeline and Powerline Corridors

**Project Location**

The proposed well pad is in the SW/SW ¼ of Section 3, T8S, R22E. The new well pad will be on the reclaimed Enron White River #29-3 well pad. The access corridor, containing road, pipeline and powerline will run southwesterly 1,600 feet on a reclaimed access corridor to an improved oilfield road. The pipeline will continue westerly paralleling the improved road for 9,000 feet (Total 10,600 feet, 2 miles). The corridor has been partially surveyed and part will be within an existing pipeline corridor. The project ends in the NW/NE ¼ of Section 8, T8S, R22E. The well pad and corridors were all flagged. The project area is shown on the enclosed copy of U.S.C.S. 7.5' Composite Quad: Red Wash SW, Utah (1968) and Red Wash NW, Utah (1968).

**Specific Environment**

The project area is partially on Glen Bench and partially within the erosional badlands east of the bench. Soils are tan to red sandy clay loams with pockets of residual sand near exposed sandstone outcrops. Vegetation in the project area is sparse and includes sagebrush, rabbitbrush, prickly pear cactus, Indian ricegrass, Galleta grass, shadscale and various grasses. There is no permanent water in the project area.

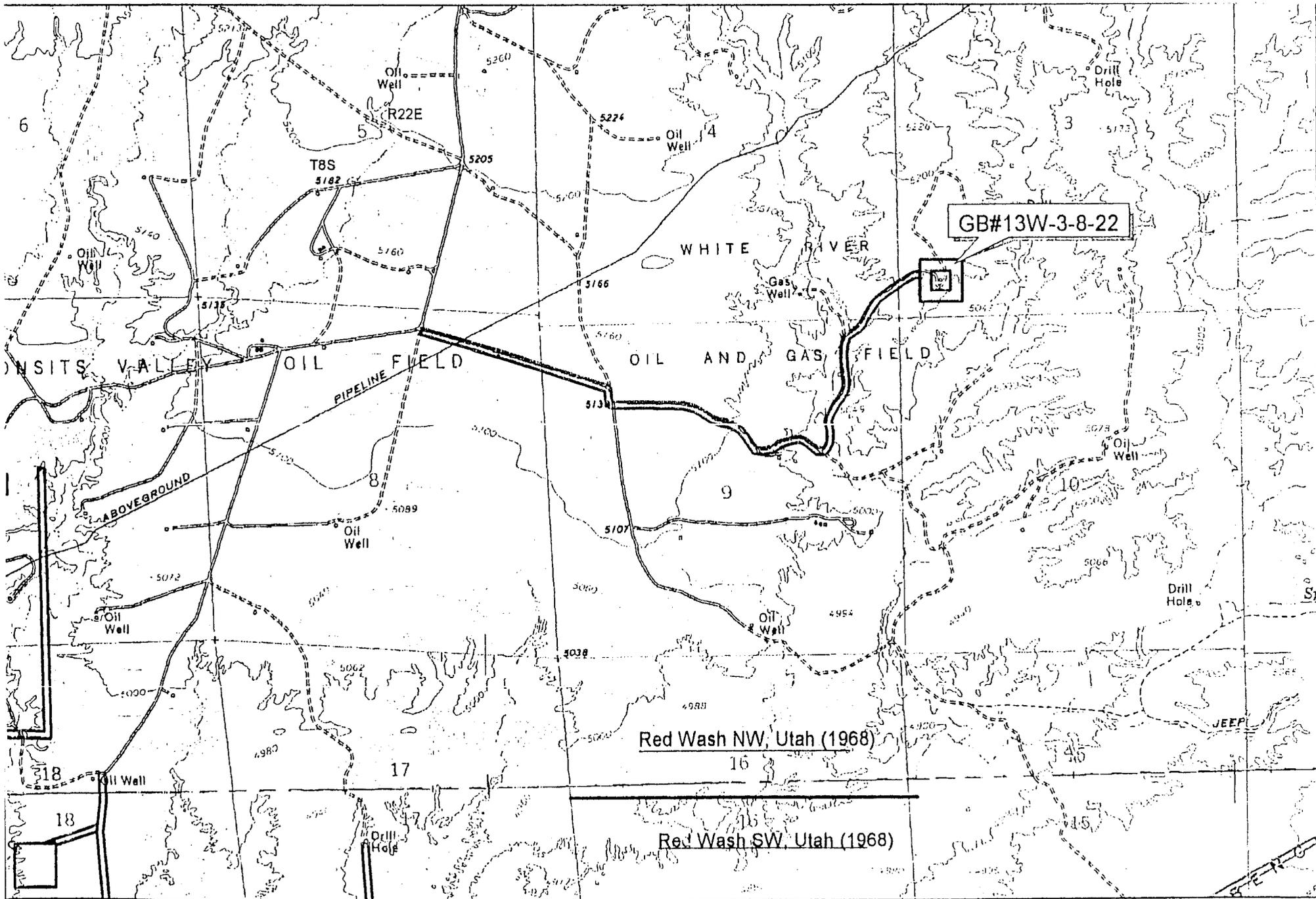


View Southwest of the Project Area (Reclaimed Well Pad)

**Findings and Recommendations**

No cultural resources were located and the probability of undetected remains is remote. Archeological clearance for the proposed project is recommended.

These recommendations are subject to approval or modification by the BLM Book Cliff's Resource Area Manager and the Utah State Historic Preservation Office.



Red Wash NW, Utah (1968)

Red Wash SW, Utah (1968)

GB#13W-3-8-22



-  Current Survey
-  Previous Survey

Shenandoah Energy Inc.

Glen Bench Field

Sections 3, 4, 8, 9, T.8 S, R.22 E.

Glen Bench Unit #3W-22-8-22  
Well Pad, Ten-Acre Buffer and Pipeline Corridor

**Project Location**

The project area is in the NE/NW ¼ of Section 22, T8S, R22E. The access road will be off an improved oilfield road adjacent to the well pad. The pipeline corridor will run easterly 2,650 feet to an existing pipeline in the SE/SE ¼ of Section 15, T8S, R22E. The well pad and access corridors were all flagged. The project area is shown on the enclosed copy of U.S.G.S. 7.5' Composite Quad: Red Wash, Utah (1968) and Red Wash NW, Utah (1968).

**Specific Environment**

The project area is in the center of Glen Bench, at the head of intermittent washes feeding intermittent washes to the northwest and southeast. Soils are tan sandy clay loams. Vegetation in the project area is sparse and includes low sagebrush with rabbitbrush, prickly pear cactus, Indian ricegrass, Galleta grass, shadscale and various grasses. There is no permanent water in the project area.

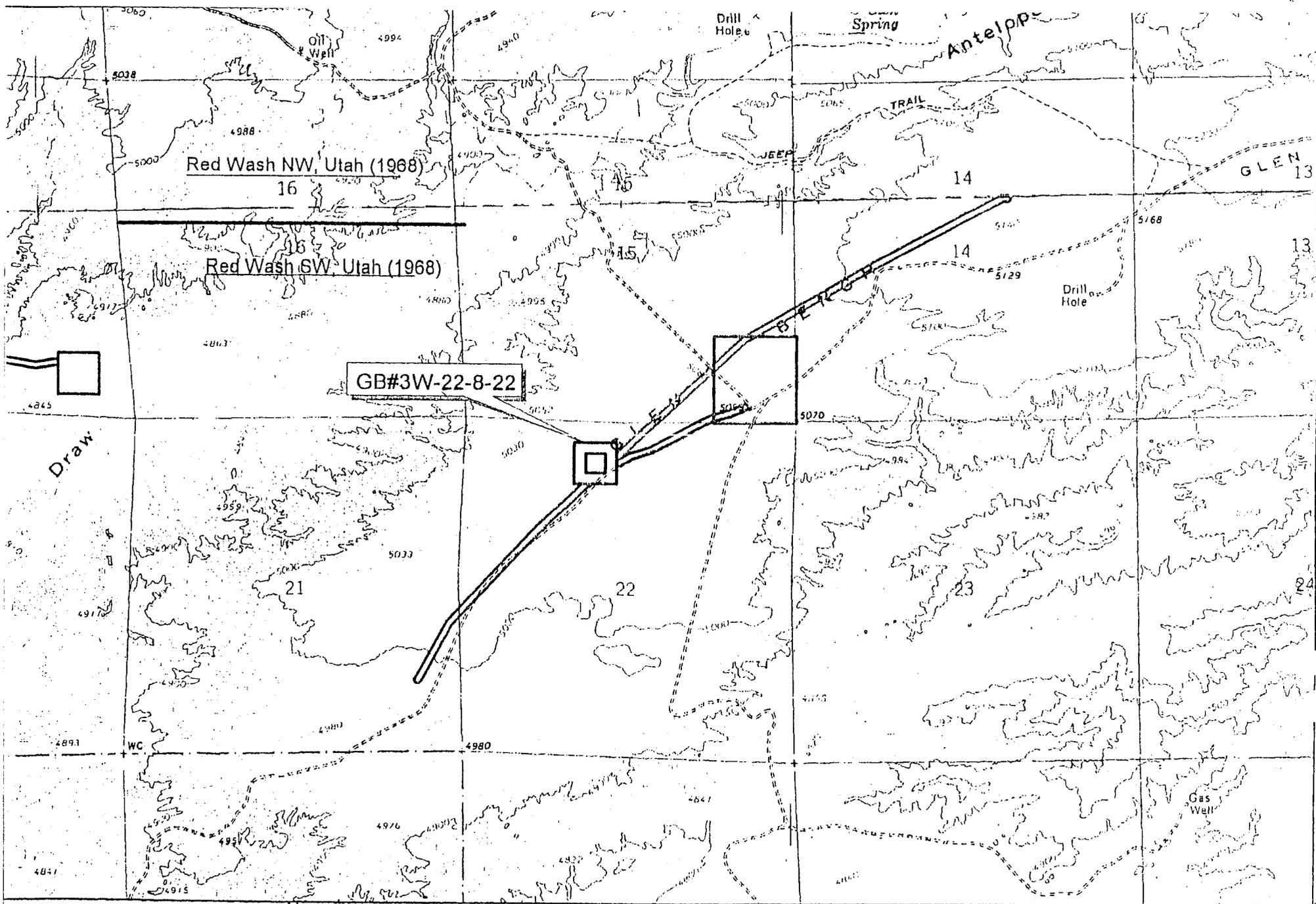


View North over Project Area

**Findings and Recommendations**

No cultural resources were located and the probability of undetected remains is remote. Archeological clearance for the proposed project is recommended.

These recommendations are subject to approval or modification by the BLM Book Cliff's Resource Area Manager and the Utah State Historic Preservation Office.



- Current Survey
- Previous Survey

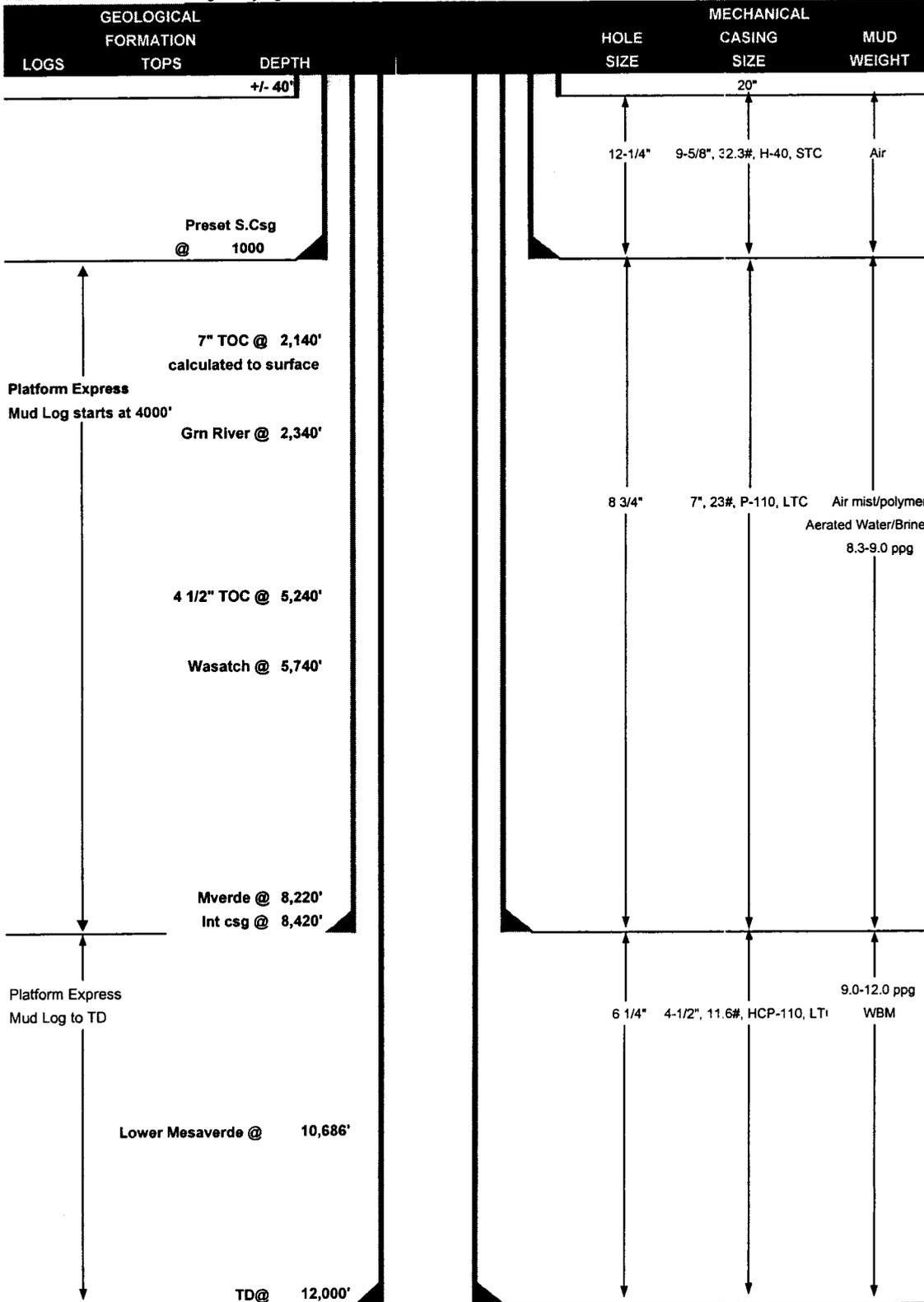
Shenandoah Energy Inc.  
 Glen Bench Field  
 Sections 15, 22, T.8 S, R.22E.



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

**DRILLING PROGRAM**

COMPANY NAME Westport Oil and Gas Co., LP DATE August 1, 2003  
 WELL NAME Glen Bench Federal 822-22C TD 12,000' MD/TVD  
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,032' GL KB 5,049'  
 SURFACE LOCATION 631' FNL, 1957' FWL, NENW, SEC. 22, T8S, R22E BHL Straight Hole  
 OBJECTIVE ZONE(S) Wasatch, Mesa Verde  
 ADDITIONAL INFO Regulatory Agencies: BLM, UDOGM, Tri-County Health Dept.





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

**CASING PROGRAM**

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	20"	0-40'				2,270	1,370	254,000
SURFACE	9-5/8"	0 to 100'	32.30	H-40	STC	1.09	2.93	9.01
						8,720	5,650	590,000
INTERMEDIATE	7"	0 to 8,420'	23.00	HCP-110	LTC	1.80	1.43	3.49
						10690	8650	279000
PRODUCTION	4-1/2"	0 to 12,000'	11.60	HCP-110	LTC	2.21	1.16	2.30

- 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 (Int Casing) = Pore Pressure at Next Casing Point - (.22 psi/ft-partial evac gradient x TVD of next csg point)
  - 3) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: Max Pore Press @ Int shoe, TD = 9.0 ppg, 12.0 ppg EMW) .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)

**CEMENT PROGRAM**

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS*	WEIGHT	YIELD
SURFACE		1000	Class G + 2% CaCl <sub>2</sub> + 0.25 pps Celloflake	390	35%	15.80	1.16
INTERMEDIATE	LEAD	5,240'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	380	70%	11.00	3.38
	TAIL	3,180'	50/50 Poz/G + 10% salt + 2% gel	630	70%	14.30	1.31
PRODUCTION	Lead	5,246'	Premium Lite II High Strength + 5 pps Korseal + 3% KCl + 0.05 pps Static-free + 0.7% R-3 + 0.25 pps celloflake + 0.7% FL-52	360	60%	13.00	1.97
	Tail	1,514'	Class G + 20% S-8 + 0.4%FL-63 + 0.2% BA-59 + 0.3% CD-32 + 0.3% R-3	170	60%	14.10	1.54

\* or 15% over caliper log

**FLOAT EQUIPMENT & CENTRALIZERS**

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

**ADDITIONAL INFORMATION**

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.  
 BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.  
 Run Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

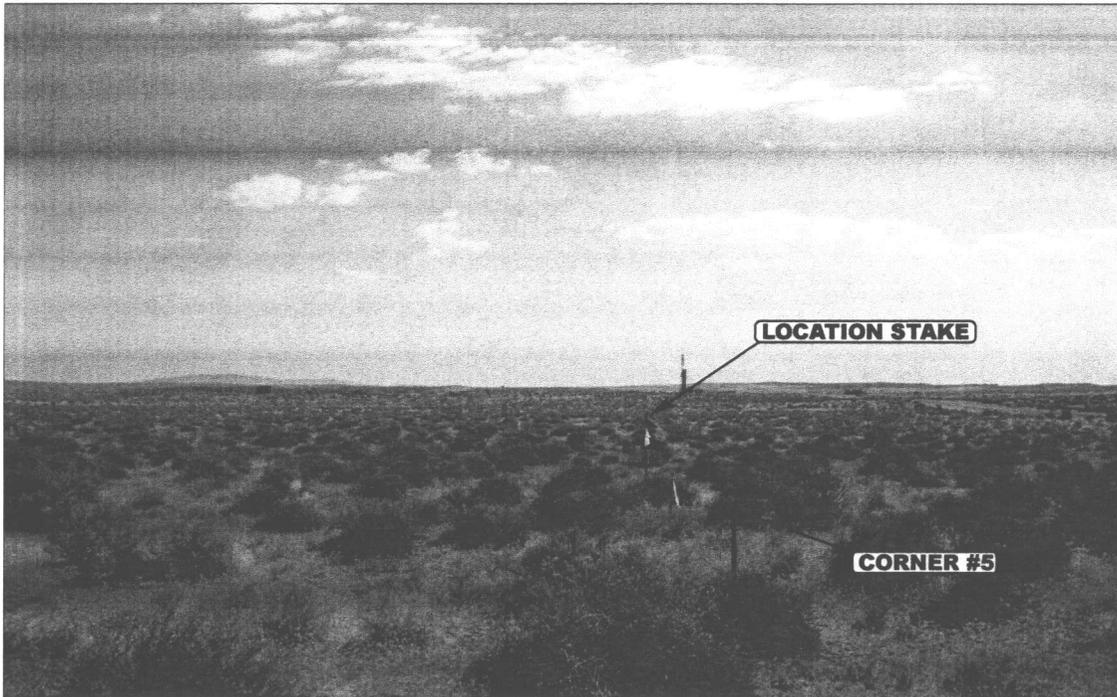
DRILLING ENGINEER: \_\_\_\_\_  
 Brad Laney

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

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

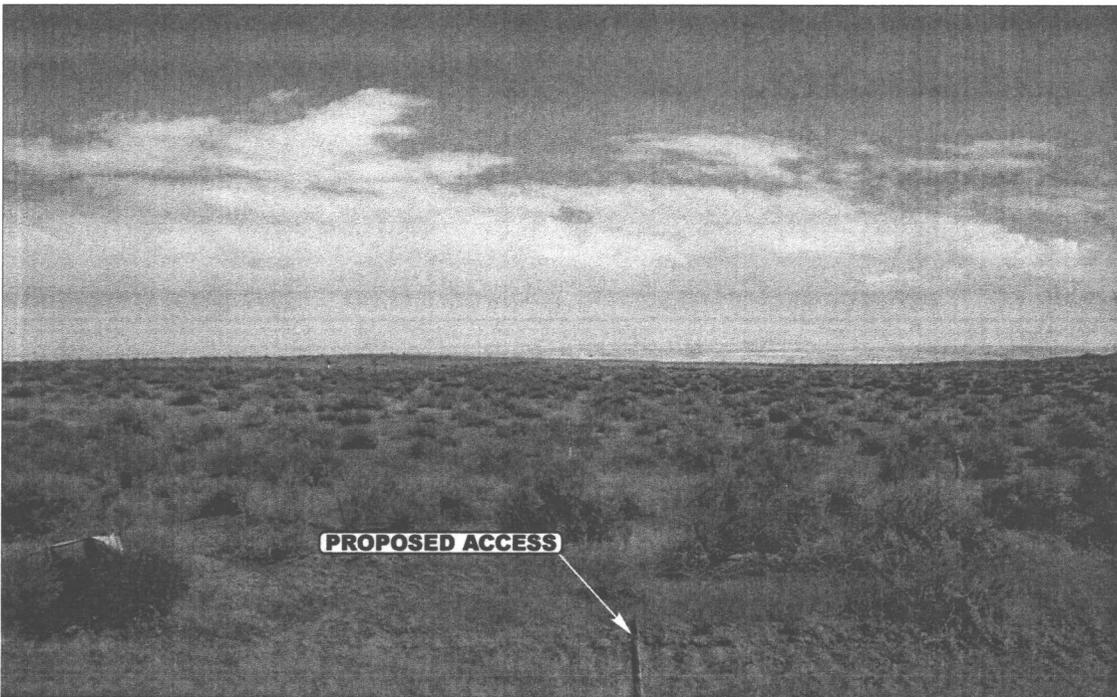
DATE: \_\_\_\_\_

**WESTPORT OIL & GAS COMPANY, L.P.**  
**GLEN BENCH #822-22C**  
**LOCATED IN UINTAH COUNTY, UTAH**  
**SECTION 22, T8S, R22E, S.L.B.&M.**



**PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE**

**CAMERA ANGLE: NORTHEASTERLY**



**PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS**

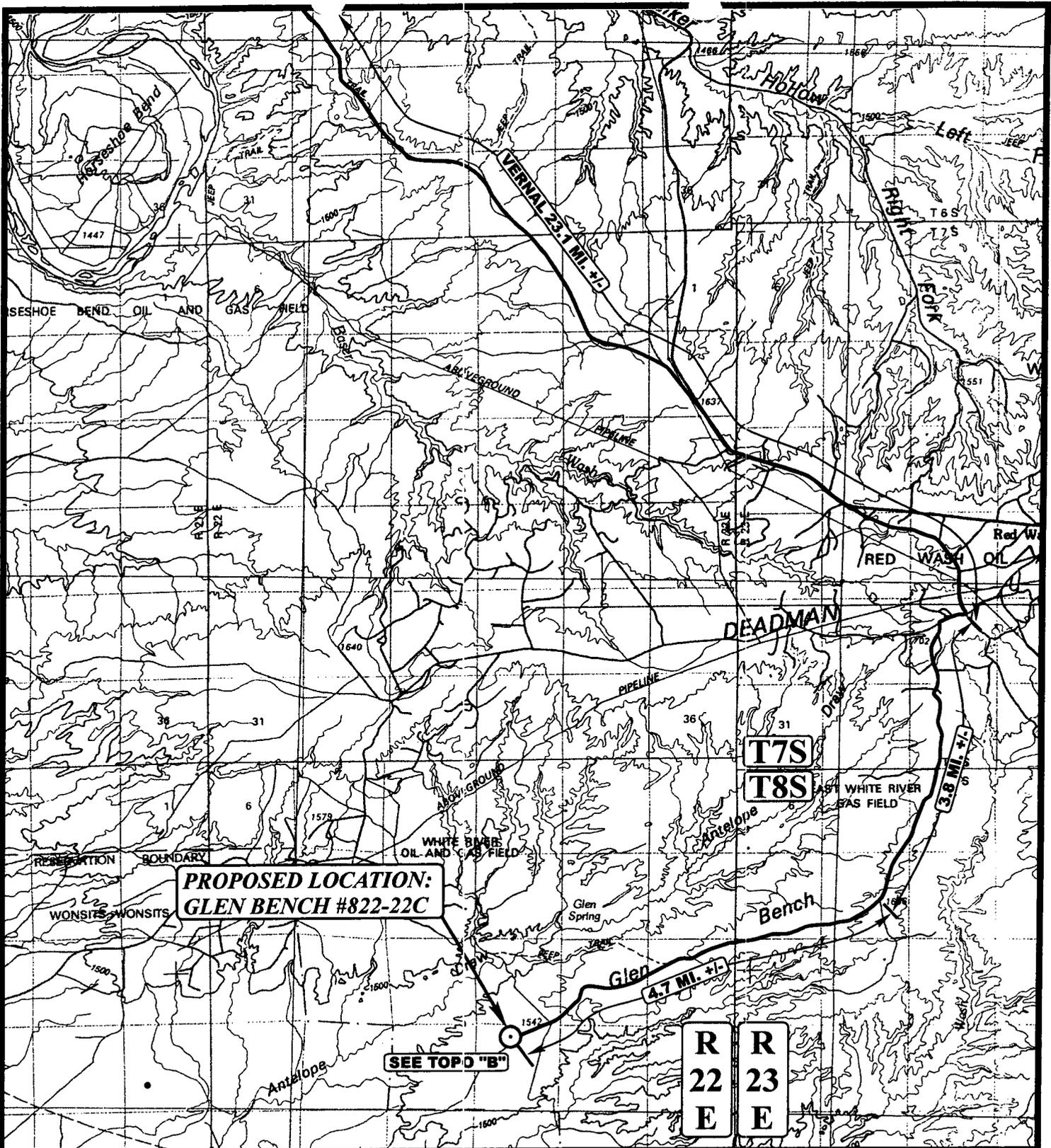
**CAMERA ANGLE: NORTHWESTERLY**



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

LOCATION PHOTOS	7	30	03	PHOTO
	MONTH	DAY	YEAR	
TAKEN BY: K.K.	DRAWN BY: K.G.	REVISED: 00-00-00		

- Since 1964 -



**PROPOSED LOCATION:  
GLEN BENCH #822-22C**

SEE TOPD "B"

**LEGEND:**

⊙ PROPOSED LOCATION



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

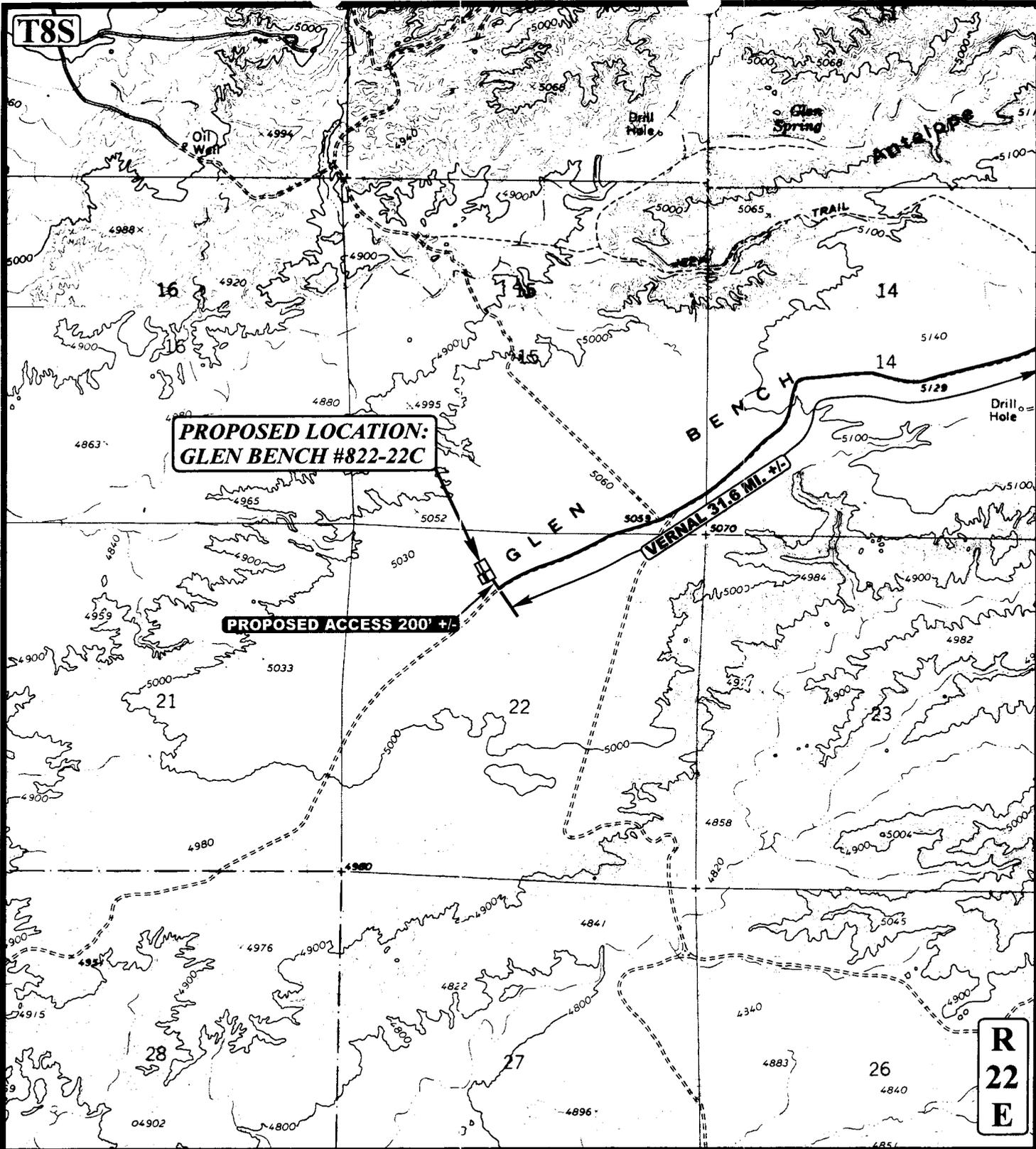
GLEN BENCH #822-22C  
SECTION 22, T8S, R22E, S.L.B.&M.  
631' FNL 1957' FWL



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

**TOPOGRAPHIC** 7 30 03  
**MAP** MONTH DAY YEAR  
SCALE: 1:100,000 DRAWN BY: K.G. REVISED: 00-00-00





**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING ROAD



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

**GLEN BENCH #822-22C**  
**SECTION 22, T8S, R22E, S.L.B.&M.**  
**631' FNL 1957' FWL**



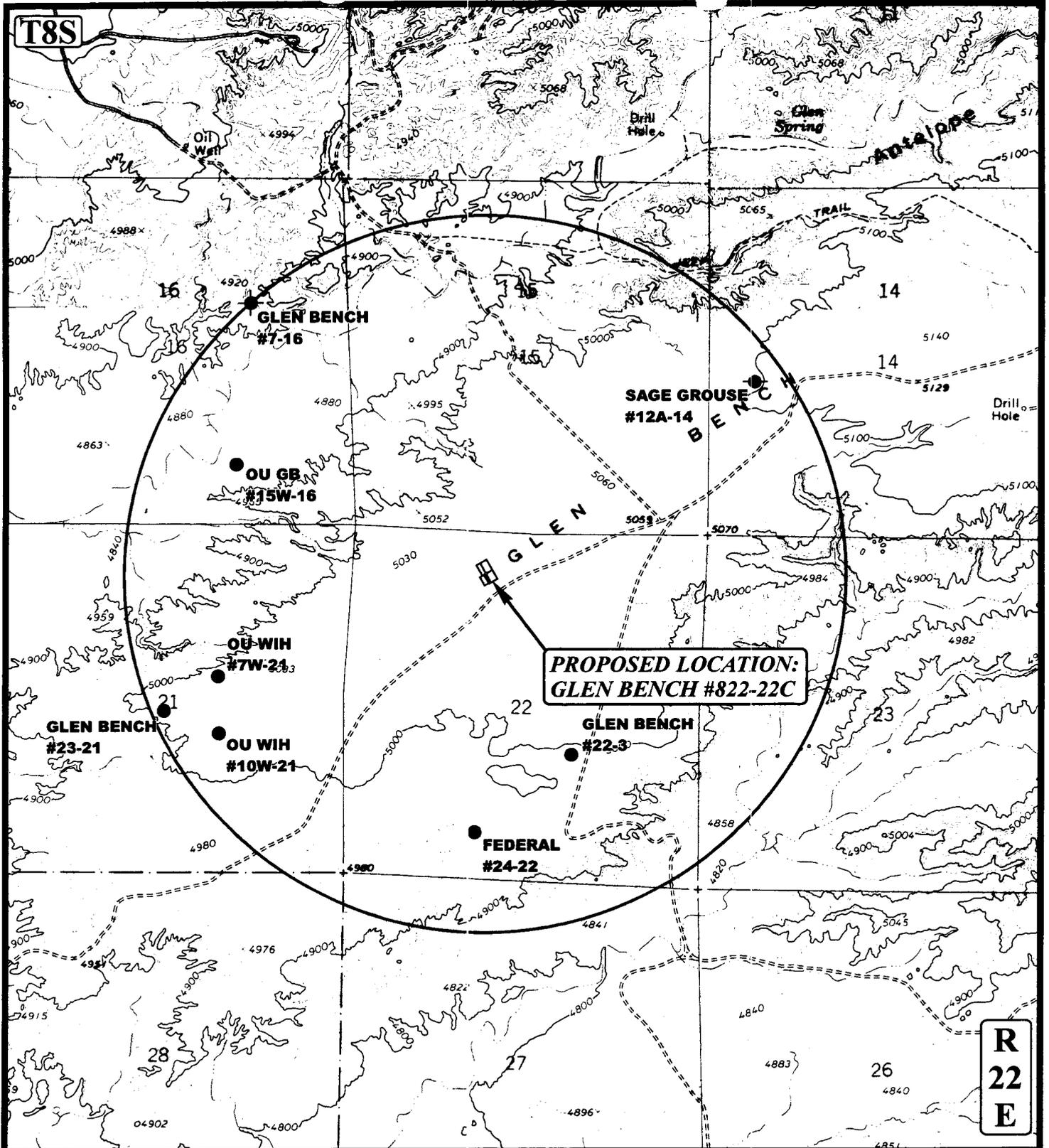
**Uintah Engineering & Land Surveying**  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

**TOPOGRAPHIC**  
**MAP**

<b>7</b>	<b>30</b>	<b>03</b>
MONTH	DAY	YEAR

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

**B**  
**TOPO**



**PROPOSED LOCATION:  
GLEN BENCH #822-22C**

**LEGEND:**

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

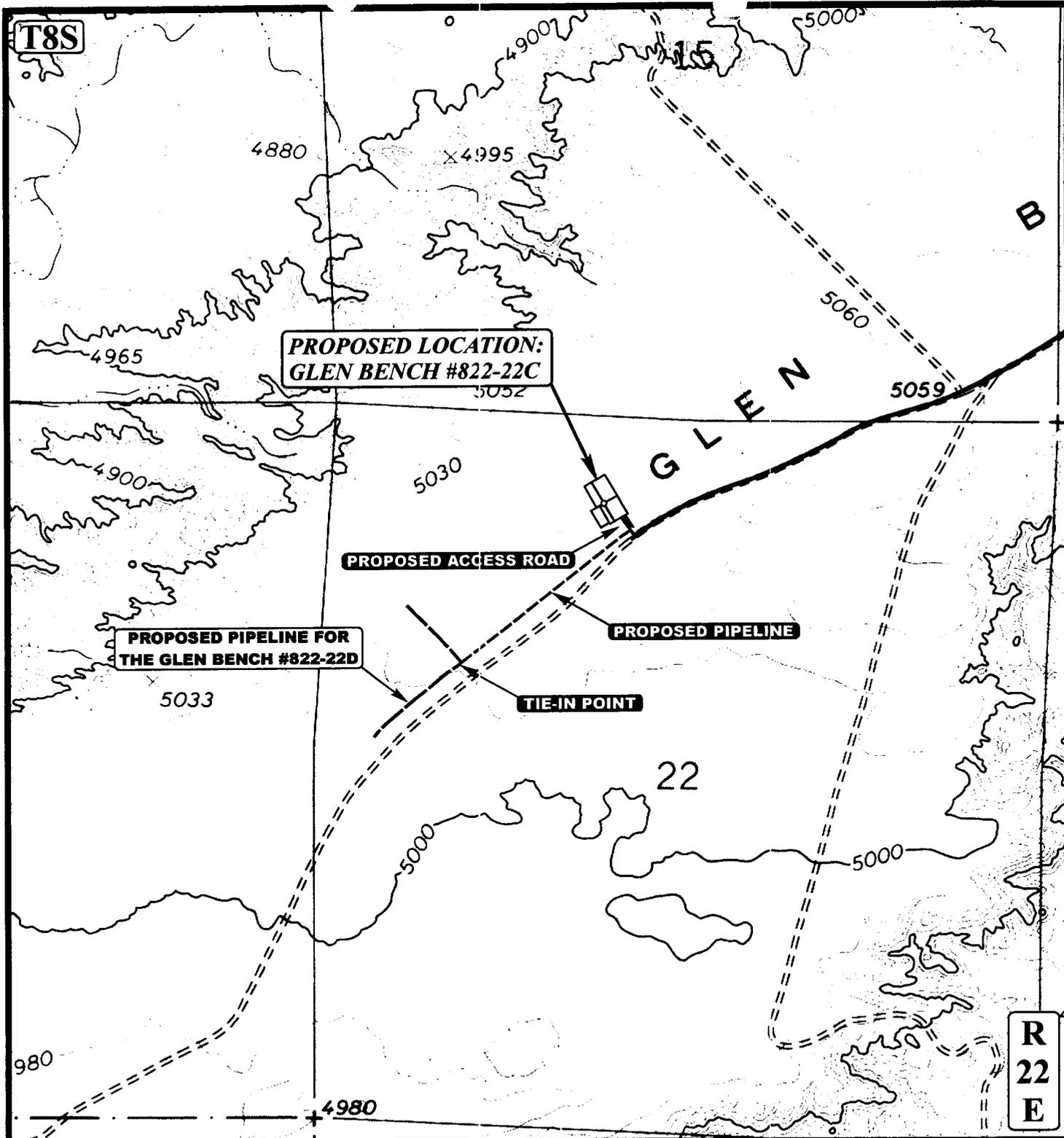


**WESTPORT OIL & GAS COMPANY, L.P.**

**GLEN BENCH #822-22C**  
**SECTION 22, T8S, R22E, S.L.B.&M.**  
**631' FNL 1957' FWL**

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

<b>TOPOGRAPHIC</b>	<b>7</b>	<b>30</b>	<b>03</b>	<b>C</b> TOPO
<b>MAP</b>	MONTH	DAY	YEAR	
SCALE: 1" = 2000'		DRAWN BY: K.G.		REVISED: 00-00-00



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,600' +/-

**LEGEND:**

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

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

GLEN BENCH #822-22C  
 SECTION 22, T8S, R22E, S.L.B.&M.  
 631' FNL 1957' FWL



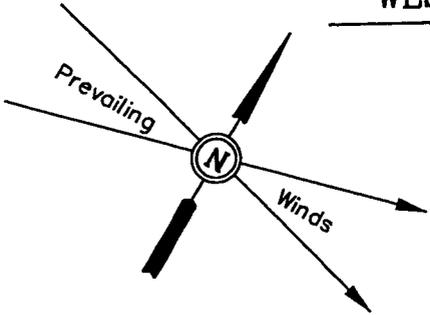
Uintah Engineering & Land Surveying  
 85 South 200 East Vernal, Utah 84078  
 (435) 789-1017 \* FAX (435) 789-1813

TOPOGRAPHIC MAP 7 30 03  
 MONTH DAY YEAR  
 SCALE: 1" = 1000' DRAWN BY: K.G. REVISED: 00-00-00

**D**  
 TOPO

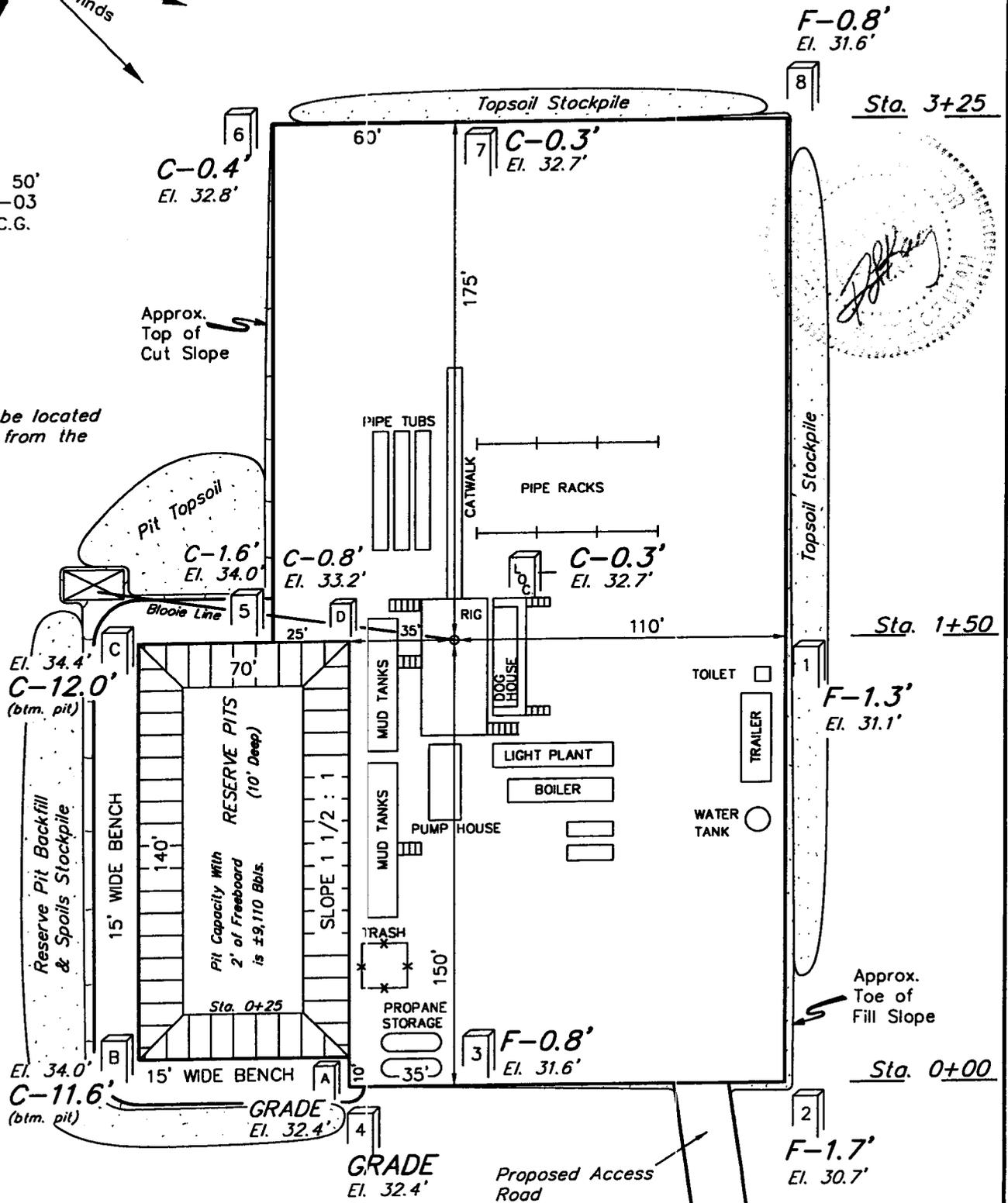
# WESTPORT OIL AND GAS COMPANY, L.P.

LOCATION LAYOUT FOR  
 GLEN BENCH #822-22C  
 SECTION 22, T8S, R22E, S.L.B.&M.  
 631' FNL 1957' FWL



SCALE: 1" = 50'  
 DATE: 7-30-03  
 Drawn By: C.G.

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



**NOTES:**

Elev. Ungraded Ground At Loc. Stake = 5032.7'  
 FINISHED GRADE ELEV. AT LOC. STAKE = 5032.4'

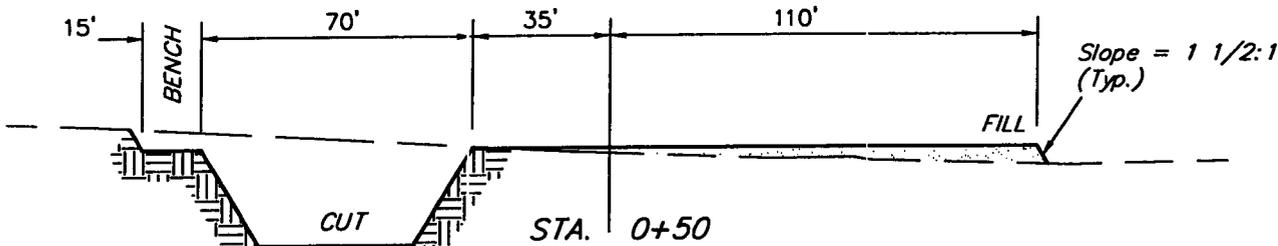
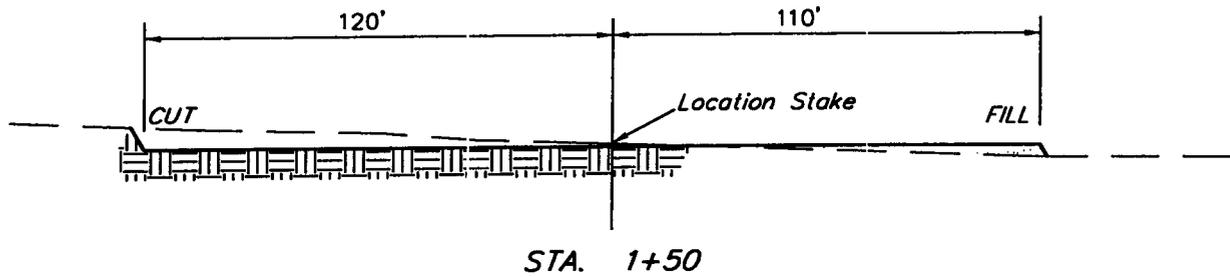
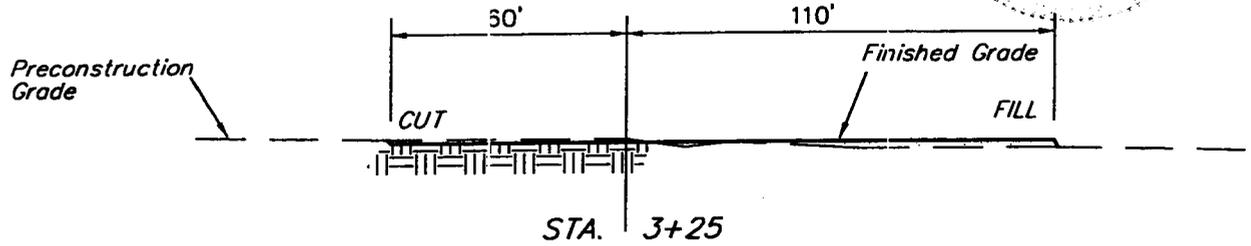
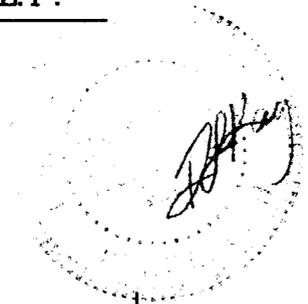
**UINTAH ENGINEERING & LAND SURVEYING**  
 85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017

**FIGURE #1**

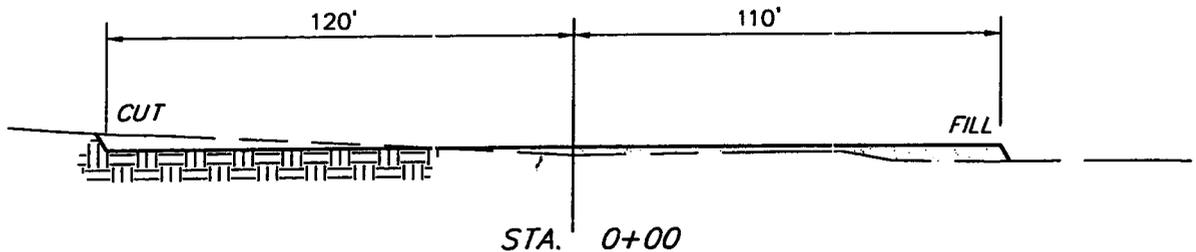
# WESTPORT OIL AND GAS COMPANY, L.P.

## TYPICAL CROSS SECTIONS FOR GLEN BENCH #822-22C SECTION 22, T8S, R22E, S.L.B.&M. 631' FNL 1957' FWL

1" = 20'  
X-Section  
Scale  
1" = 50'  
DATE: 7-30-03  
Drawn By: C.G.



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



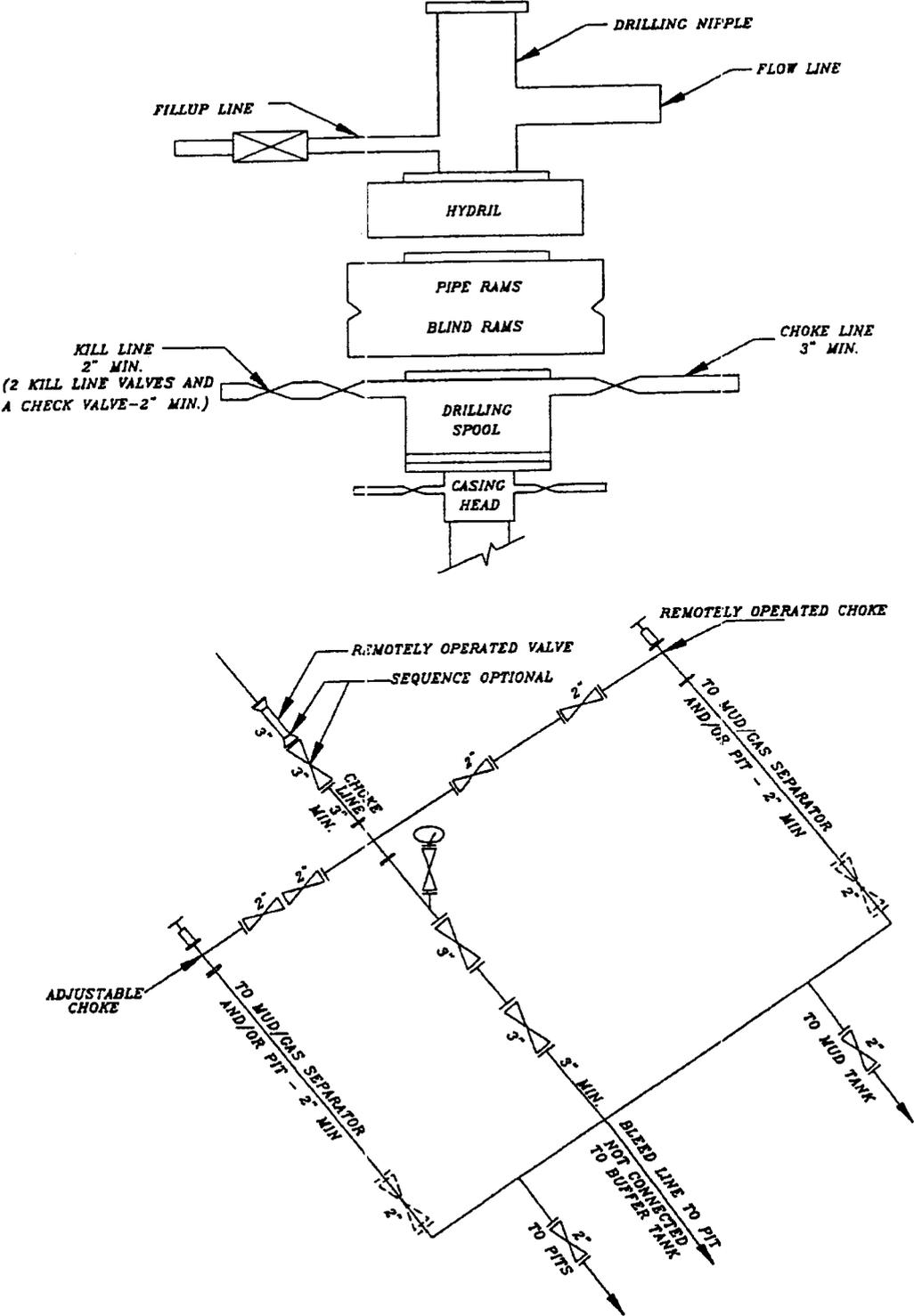
### FIGURE #2

#### APPROXIMATE YARDAGES

CUT	
(6") Topsoil Stripping	= 1,210 Cu. Yds.
Remaining Location	= 3,260 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 4,470 CU.YDS.</b>
<b>FILL</b>	<b>= 1,560 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,830 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,500 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 330 Cu. Yds.

# 5M BOP STACK and CHOKE MANIFOLD SYSTEM



WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 08/11/2003

API NO. ASSIGNED: 43-047-35122

WELL NAME: GLEN BENCH 822-22C

OPERATOR: WESTPORT OIL & GAS CO ( N2115 )

CONTACT: CHERYL CAMERON

PHONE NUMBER: 435-781-7023

PROPOSED LOCATION:

NENW 22 080S 220E  
SURFACE: 0631 FNL 1957 FWL  
BOTTOM: 0631 FNL 1957 FWL  
UINTAH  
NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /		
Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-28652

SURFACE OWNER: 1 - Federal

LATITUDE: 40.11426

PROPOSED FORMATION: MVRD

LONGITUDE: 109.42745

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. CO 1203 )
- 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)

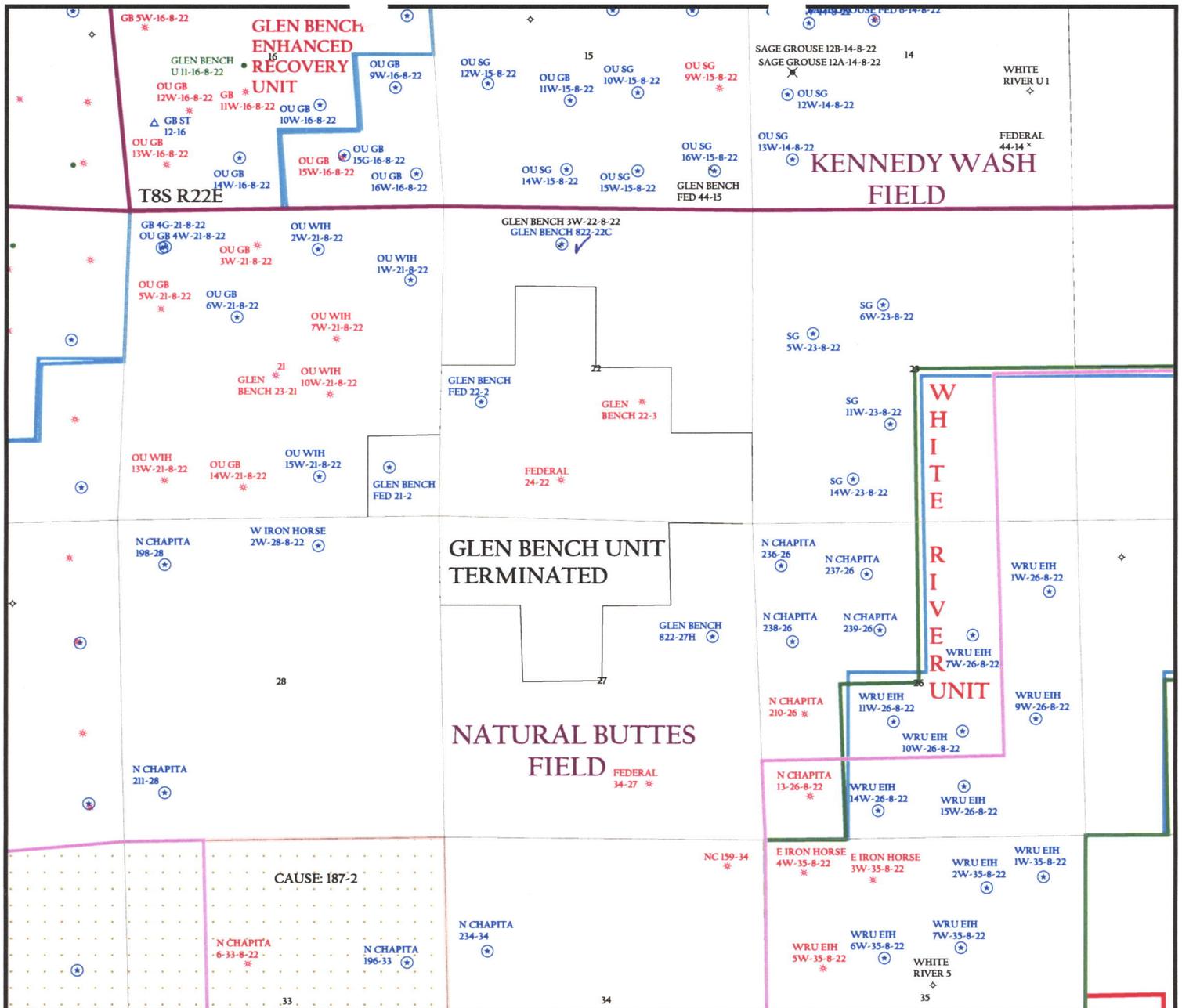
LOCATION AND SITING:

- R649-2-3.  
Unit \_\_\_\_\_
- R649-3-2. General  
Siting: 460 From Qtr/Qtr & 920' Between Wells
- R649-3-3. Exception
- Drilling Unit  
Board Cause No: \_\_\_\_\_  
Eff Date: \_\_\_\_\_  
Siting: \_\_\_\_\_
- R649-3-11. Directional Drill

COMMENTS:

STIPULATIONS:

1-Federal Approval  
2-Spacing Stp



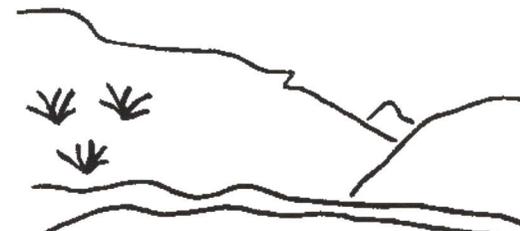
OPERATOR: WESTPORT O&G CO (N2115)

SEC. 22 T.8S, R.22E

FIELD: NATURAL BUTTES (630)

COUNTY: Uintah

SPACING: R649-3-2 / GENERAL SITING



Utah Oil Gas and Mining



PREPARED BY: DIANA MASON  
DATE: 14-AUGUST-2003

**Wells**

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

**Unit Status**

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

**Field Status**

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



State of Utah  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210  
PO Box 145801  
Salt Lake City, Utah 84114-5801  
(801) 538-5340 telephone  
(801) 359-3940 fax  
(801) 538-7223 TTY  
www.nr.utah.gov

Michael O. Leavitt  
Governor

Robert L. Morgan  
Executive Director

Lowell P. Braxton  
Division Director

August 14, 2003

WestPort Oil & Gas Company  
P O Box 1148  
Vernal, UT 84078

Re: Glen Bench 822-22C Well, 631' FNL, 1957' FWL, NE NW, Sec. 22, T. 8 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 43-047-35122.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza".

John R. Baza  
Associate Director

pab  
Enclosures

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

**Operator:** \_\_\_\_\_ WestPort Oil & Gas Company \_\_\_\_\_  
**Well Name & Number** \_\_\_\_\_ Glen Bench 822-22C \_\_\_\_\_  
**API Number:** \_\_\_\_\_ 43-047-35122 \_\_\_\_\_  
**Lease:** \_\_\_\_\_ UTU-28652 \_\_\_\_\_

**Location:** NE NW                      **Sec.** 22                      **T.** 8 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

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (301) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

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. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

DECEIVED  
AUG 04 2003

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

005

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-28652
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Westport Oil & Gas Company, L.P.		7. If Unit or CA Agreement, Name and No.
3A. Address P.O. Box 1148 Vernal, UT 84078		8. Lease Name and Well No. Glen Bench 822-22C
3b. Phone No. (include area code) (435) 781-7023		9. API Well No. 43-047-35122
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENW 631' FNL, 1957' FWL At proposed prod. Zone		10. Field and Pool, or Exploratory
14. Distance in miles and direction from nearest town or post office* 12 Miles West of Redwash, UT		11. Sec., T., R., M., or Blk, and Survey or Area Sec. 22, T8S, R22E
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 631'	16. No. of Acres in lease 1920	12. County or Parish Uintah
17. Spacing Unit dedicated to this well 40	13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. Refer to Topo C	19. Proposed Depth 12,000	20. BLM/BIA Bond No. on file CO 1203
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5033.4' GL	22. Approximate date work will start* Upon Approval	23. Estimated duration

RECEIVED  
SEP 29 2003

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

DIV. OF OIL, GAS & MINING

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li>1. Well plat certified by a registered surveyor.</li> <li>2. A Drilling Plan.</li> <li>3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.</li> </ul> | <ul style="list-style-type: none"> <li>4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).</li> <li>5. Operator certification.</li> <li>6. Such other site specific information and/or plans as may be required by the authorized office.</li> </ul> |
|---|--|

25. Signature 	Name (Printed/Typed) Cheryl Cameron	Date 8/4/2003
Title Sr. Regulatory Analyst		
Approved by (Signature) 	Name (Printed/Typed)	Date 09/22/2003
Title Assistant Field Manager Mineral Resources	Office	

Application approval 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.

Conditions of approval, if any, are attached.

**NOTICE OF APPROVAL**

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

\*(Instructions on reverse)

**CONDITIONS OF APPROVAL ATTACHED**

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Westport Oil and Gas Company LP.  
Well Name & Number: Glen Bench 822-22C  
Lease Number: U-28652  
API Number: 43-047-35122  
Location: NENW Sec. 22 T.8S R. 22E  
Agreement: N/A

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

**CONDITIONS OF APPROVAL**

Approval of this application 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.

Be aware fire restrictions may be in effect when location is being constructed and/or when well is being drilled. Contact the appropriate Surface Management Agency for information.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered

Report ALL water shows and water-bearing sands to John Mayers of this office prior to setting the next casing string or requesting plugging orders. Faxed copies of State of Utah form OGC-8-X are acceptable.

2. None

3. Casing Program and Auxiliary Equipment

As a minimum requirement, the cement behind the intermediate casing must extend at least 200' above the top of the Green River formation which has been identified at  $\pm 4145'$ .

4. Mud Program and Circulating Medium

None

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

A cement bond log must be run from the intermediate casing shoe to the top of cement or the surface casing shoe, whichever is lower.

**Please submit to this office, in LAS format, an electronic copy of all logs run on this well. This submission will replace the requirement for submittal of paper logs to the BLM.**

6. Notifications of Operations

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

7. Other Information

APD approval is valid for a period of one (1) year from the signature date. An extension period may be granted, if requested, prior to the expiration of the original approval period.

In the event after-hours approvals are necessary, you must contact one of the following individuals:

Ed Forsman (435) 828-7874  
Petroleum Engineer

Kirk Fleetwood (435) 828-7875  
Petroleum Engineer

BLM FAX Machine (435) 781-4410

**CONDITIONS OF APPROVAL**  
**FOR THE SURFACE USE PROGRAM OF THE**  
**APPLICATION FOR PERMIT TO DRILL**

-No construction or drilling shall occur during the burrowing owl nesting of April 1 to August 15. If construction is proposed during this time frame a qualified wildlife biologist may conduct a burrowing owl survey. If no birds are present during the survey, construction could begin.

-The location topsoil pile will be seeded immediately after the soil is piled by broadcasting the seed, then walking the topsoil pile with the dozer to plant the seed. The following seed mix shall be used:

Fourwing saltbush	Atriplex canescens	4 lbs/acre
Indian ricegrass	Oryzopsis hymenoides	4 lbs/acre
Needle and threadgrass	Stipa comata	4 lbs/acre

-All poundages are in Pure Live Seed.

**- Topsoil will not be used for the construction of tank dikes or any other location needs. It shall be left in place for use in the final reclamation process.**

-Once the reserve pit is dry, it should be filled, recontoured, topsoil spread, and seeded in the same manner discussed above.

-The operator shall control noxious weeds along the access road, pipeline, and on the well location. A list of noxious weeds may be obtained from the BLM, or the appropriate County Extension Office. On BLM administered land it is required that a Pesticide Use Proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

006

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
UTU-28652

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.**

8. Well Name and No.  
GLEN BENCH 822-22C

9. API Well No.  
43-047-35122

10. Field and Pool, or Exploratory  
NATURAL BUTTES

11. County or Parish, and State  
UINTAH COUNTY, UT

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
WESTPORT OIL & GAS COMPANY L.P  
Contact: SHEILA UPCHEGO  
E-Mail: supchego@westportresourcescorp.com

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

3b. Phone No. (include area code)  
Ph: 435.781.7024  
Fx: 435.781.7094

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 22 T8S R22E NENW 631FNL 1957FWL

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

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

13. Describe Proposed or Completed Operation (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.)

THE OPERATOR REQUESTS AUTHORIZATION FOR AN ONE YEAR EXTENSION FOR THE SUBJECT WELL LOCATION. SO THAT DRILLING OPERATIONS MAY BE COMPLETED.

**Approved by the  
Utah Division of  
Oil, Gas and Mining**  
Date: 09-20-04  
By: *[Signature]*

COPY SENT TO OPERATOR  
Date: 9-27-04  
Initials: LHO

14. I hereby certify that the foregoing is true and correct.  
Electronic Submission #3622 verified by the BLM Well Information System  
For WESTPORT OIL & GAS COMPANY L.P, sent to the Vernal

Name (Printed/Typed) SHEILA UPCHEGO Title REGULATORY ANALYST

Signature *[Signature]* (Electronic Submission) Date 09/02/2004

**THIS SPACE FOR FEDERAL OR STATE OFFICE 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 and Title 43 U.S.C. Section 1212, 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.

**\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED**

**RECEIVED**  
SEP 09 2004

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill  
Request for Permit Extension  
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

**API:** 43-047-35122  
**Well Name:** GLEN BENCH 822-22C  
**Location:** NENW SECTION 22-T8S-R22E  
**Company Permit Issued to:** WESTPORT OIL & GAS CO., L.P.  
**Date Original Permit Issued:** 8/14/2003

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes  No

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes  No

Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes  No

Has the approved source of water for drilling changed? Yes  No

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes  No

Is bonding still in place, which covers this proposed well? Yes  No

  
Signature

9/2/2004

Date

Title: REGULATORY ANALYST

Representing: WESTPORT OIL & GAS CO., L.P.



**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

September 29, 2005

Sheila Upchego  
Westport Resources Corp.  
1368 South 1200 East  
Vernal UT 84078

Re: APD Rescinded –Glen Bench 822-22C Sec. 22, T. 8S, R. 22E  
Uintah County, Utah API No. 43-047-35122

Dear Ms. Upchego:

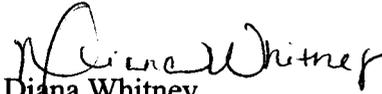
The Application for Permit to Drill (APD) for the subject well was approved by the Division of Oil, Gas and Mining (Division) on August 14, 2003. On September 20, 2004 the Division granted a one-year APD extension. On September 28, 2005, you requested that the division rescind the state approved APD.

No drilling activity at this location has been reported to the division. Therefore, approval to drill the well is hereby rescinded, effective September 28, 2005.

A new APD must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division immediately.

Sincerely,

  
Diana Whitney  
Engineering Technician

cc: Well File  
Bureau of Land Management, Vernal



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

170 South 500 East

Vernal, UT 84078

(435) 781-4400 Fax: (435) 781-4410  
<http://www.blm.gov/utah/vernal>



IN REPLY REFER TO:

3160

UT08300

October 18, 2005

Raleen Weddle  
Westport Oil & Gas Co.  
1368 South 1200 East  
Vernal, UT 84078

43-047-35122  
LA

Re: Notification of Expiration  
Well No. Glen Bench 822-22C  
NENW, Sec. 22, T8S, R22E  
Uintah County, Utah  
Lease No. UTU-28652

Dear Ms. Weddle:

The Application for Permit to Drill the above-referenced well was approved on September 22, 2003. A one (1) year extension of the original APD was requested. The request was reviewed and the extension approved until September 22, 2005. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

*Leslie Wilcken*

Leslie Wilcken  
Legal Instruments Examiner

cc: UDOGM

RECEIVED

OCT 24 2005

DIV. OF OIL, GAS & MINING

RECEIVED

DEC - 1 2005

Form 3160-3  
(August 1999)

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work:  DRILL  REENTER  
b. Type of Well:  Oil Well  Gas Well  Other  Single Zone  Multiple Zone

2. Name of Operator  
KERR MCGEE OIL AND GAS ONSHORE LP

3A. Address  
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)  
(435) 781-7060

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface NENW 631' FNL 1957' FWL  
At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*  
12 MILES WEST OF REDWASH, UTAH

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)  
631'

16. No. of Acres in lease  
1920

17. Spacing Unit dedicated to this well  
40

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.  
REFER TO TOPO C

19. Proposed Depth  
10200'

20. BLM/BIA Bond No. on file  
CO-1203

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
5033.4' GL

22. Approximate date work will start\*  
UPON APPROVAL

23. Estimated duration  
TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- 1. Well plat certified by a registered surveyor.
- 2. A Drilling Plan.
- 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- 5. Operator certification.
- 6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature *Ramey Hoopes* Name (Printed/Typed) RAMEY HOOPES Date 4/13/2006  
Title REGULATORY CLERK

Approved by (Signature) *Jerry Kenczka* Name (Printed/Typed) JERRY KENCZKA Date 8-2-2006  
Title Assistant Field Manager Mineral Resources Office VERNAL FIELD OFFICE

Application approval 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.  
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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.

\*(Instructions on reverse)

RECEIVED

AUG 10 2006

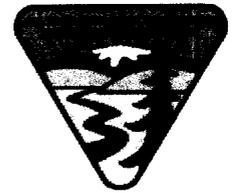
DIV. OF OIL, GAS & MINING

UDOGM

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



UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE  
170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

**Company:** Kerr-McGee Onshore O&G LP      **Location:** NENW, Sec 22, T8S, R22E  
**Well No:** Glen Bench 822-22C      **Lease No:** UTU-28652  
**API No:** 43-047-37467      **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Charlie Sharp	Office: 435-781-4486	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
Natural Resource Specialist:	Scott Ackerman	Office: 435-781-4437	
<b>After Hours Contact Number:</b>	<b>435-781-4513</b>	<b>Fax:</b> 435-781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

- Location Construction (Notify Holly Villa) - Forty-Eight (48) hours prior to construction of location and access roads.
- Location Completion (Notify Holly Villa) - Prior to moving on the drilling rig.
- Spud Notice (Notify Petroleum Engineer) - Twenty-Four (24) hours prior to spudding the well.
- Casing String & Cementing (Notify Jamie Sparger) - Twenty-Four (24) hours prior to running casing and cementing all casing strings.
- BOP & Related Equipment Tests (Notify Jamie Sparger) - Twenty-Four (24) hours prior to initiating pressure tests.
- First Production Notice (Notify Petroleum Engineer) - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM  
 CONDITIONS OF APPROVAL (COAs)***

1. Within 90 calendar days of the approval date for this Application for Permit to Drill (APD), the operator/lessee shall submit to the Authorized Officer (AO), on Sundry Notice Form 3160-5, an Interim Surface Reclamation Plan for surface disturbance on well pads, access roads, and pipelines. At a minimum, this will include the reshaping of the pad to the original contour to the extent possible; the respreading of the top soil up to the rig anchor points; and, the area reseeded using appropriate reclamation methods. The AO will provide written approval or concurrence within 30 calendar days of receipt. The following seed mixture shall be used:

<b>Type</b>		<b>lbs./acre</b>
Needle and Threadgrass	Stipa comata	4
Crested Wheatgrass	Agropyron cristatum	4
Indian Ricegrass	Stipa hymenoides	4
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

2. If paleontologic materials are uncovered during construction, the operator shall immediately stop work that might further disturb such materials and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation will be necessary for the discovered paleontologic material.
3. Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeding.
4. Other reclamation methods including but not limited to mulching or soil treatments may be required on a site-specific basis.
5. The following seed mixture shall be used to seed the reserve pits and for final abandonment for the location:

<b>Type</b>		<b>lbs./acre</b>
Needle and Threadgrass	Stipa comata	4
Fourwing saltbush	Orzyopsis hymenoides	4
Indian Ricegrass	Stipa hymenoides	4
** Seed shall be drilled; but if broadcasted double the pounds per acre used and work the solids mechanically to cover the seed.		

6. The seed mix may be revised at the time of final abandonment

### ***DOWNHOLE CONDITIONS OF APPROVAL***

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to.** The following items are emphasized:

#### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

1. Surface casing cement shall be brought up to the surface. To reach the surface, operator is required to pump additional cement beyond the stated amounts of sacks in application.
2. A cement Bond Log (CBL) shall be run from the production casing shoe to the surface casing shoe.

#### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

1. There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
2. The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
3. **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
4. Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.

All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.

BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.

Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.

No aggressive/fresh hard-banded drill pipe shall be used within casing.

5. All shows of fresh water and minerals shall be reported and protected. A sample shall be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows shall be adequately tested for commercial possibilities, reported, and protected.

6. No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office shall be obtained and notification given before resumption of operations.
7. Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.

Any change in the program shall be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) shall be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.

In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.

8. Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

A cement bond log (CBL) will be run from the production casing shoe to the surface casing shoe and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

**Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**

9. All off-lease storage, off-lease measurement, or commingling on-lease or off-lease shall have prior written approval from the BLM, Vernal Field Office.

All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.

10. Oil and gas meters shall be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.
11. A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
12. This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - a. Operator name, address, and telephone number.
  - b. Well name and number.
  - c. Well location ( $\frac{1}{4}$ / $\frac{1}{4}$ , Sec., Twn, Rng, and P.M.).
  - d. Date well was placed in a producing status (date of first production for which royalty will be paid).
  - e. The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - f. The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - g. Unit agreement and / or participating area name and number, if applicable.
  - h. Communitization agreement number, if applicable.
13. Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
14. All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than

Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production

15. Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
16. Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.