

**Petroglyph Operating Co., Inc.**  
**P.O. Box 607**  
**Roosevelt, UT 84066**

July 7, 2008

Utah Division of Oil, Gas, & Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, UT 84114-5801

RE: APPLICATION FOR PERMIT TO DRILL  
UTE TRIBAL 21-08  
LOT 2, SECTION 21, T5S, R3W  
DUCHESNE COUNTY, UTAH  
LEASE NO. BIA 14-20-H62-3516  
UTE INDIAN TRIBAL LANDS

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

This permit was previously approved by the BLM December 16, 1996, but expired. Thus, we are re-submitting this new application.

Please address further communication regarding this matter (including approval) to:

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone: (435)789-4120  
Fax: (435)789-1420

Thank you for your attention to this matter.

Sincerely



Ed Trotter  
Agent  
Petroglyph Operating Co., Inc.

Attachments

UDOGM-POCI

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JUL 30 2008  
DIV. OF OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

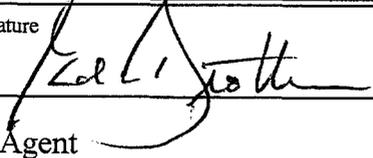
APPLICATION FOR PERMIT TO DRILL OR REENTER

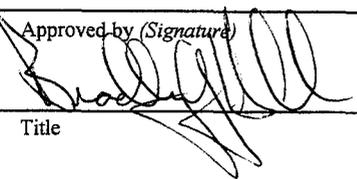
1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. <b>14-20-H62-3516</b>
1b. Type of Well: <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name <b>UTE INDIAN TRIBE</b>
2. Name of Operator <b>PETROGLYPH OPERATING CO., INC.</b>		7. If Unit or CA Agreement, Name and No. <b>UTE TRIBAL</b>
3a. Address <b>P.O. BOX 607, ROOSEVELT, UT 84066</b>		8. Lease Name and Well No. <b>UTE TRIBAL #21-08</b>
3b. Phone No. (Include area code) <b>(435)722-2531</b>		9. API Well No. <b>43013-34053</b>
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>1980' FNL, 4100' FWL</b> <b>566368X 40.033785 Lot 2</b> At proposed prod. Zone <b>4431587Y -110.222127</b>		10. Field and Pool, or Exploratory <b>ANTELOPE CREEK</b>
14. Distance in miles and direction from nearest town or post office* <b>20.7 MILES SOUTHWEST OF MYTON, UTAH</b>		11. Sec., T., R., M., or Blk. and Survey or Area <b>SENE SEC. 21, T5S, R3W, U.S.B.&amp;M.</b>
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. Unit line, if any) <b>1980'</b>	16. No. of Acres in lease <b>533.33</b>	12. County or Parish <b>DUCHESNE</b>
17. Spacing Unit dedicated to this well <b>40</b>	13. State <b>UTAH</b>	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. <b>See Topo Man "C"</b>	19. Proposed Depth <b>6090.5'</b>	20. BLM/BIA Bond No. on file <b>Bond #4138336</b>
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>6255.5 FEET GRADED GROUND</b>	22. Approximate date work will start* <b>UPON APPROVAL</b>	23. Estimated duration <b>45 DAYS</b>

24. Attachments

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

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

25. Signature 	Name (Printed/Typed) <b>Ed Trotter</b>	Date <b>July 2, 2008</b>
Title <b>Agent</b>		

Approved by (Signature) 	Name (Printed/Typed) <b>BRADLEY G. HILL ENVIRONMENTAL MANAGER</b>	Date <b>07-31-08</b>
Title	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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Continued on page 2)

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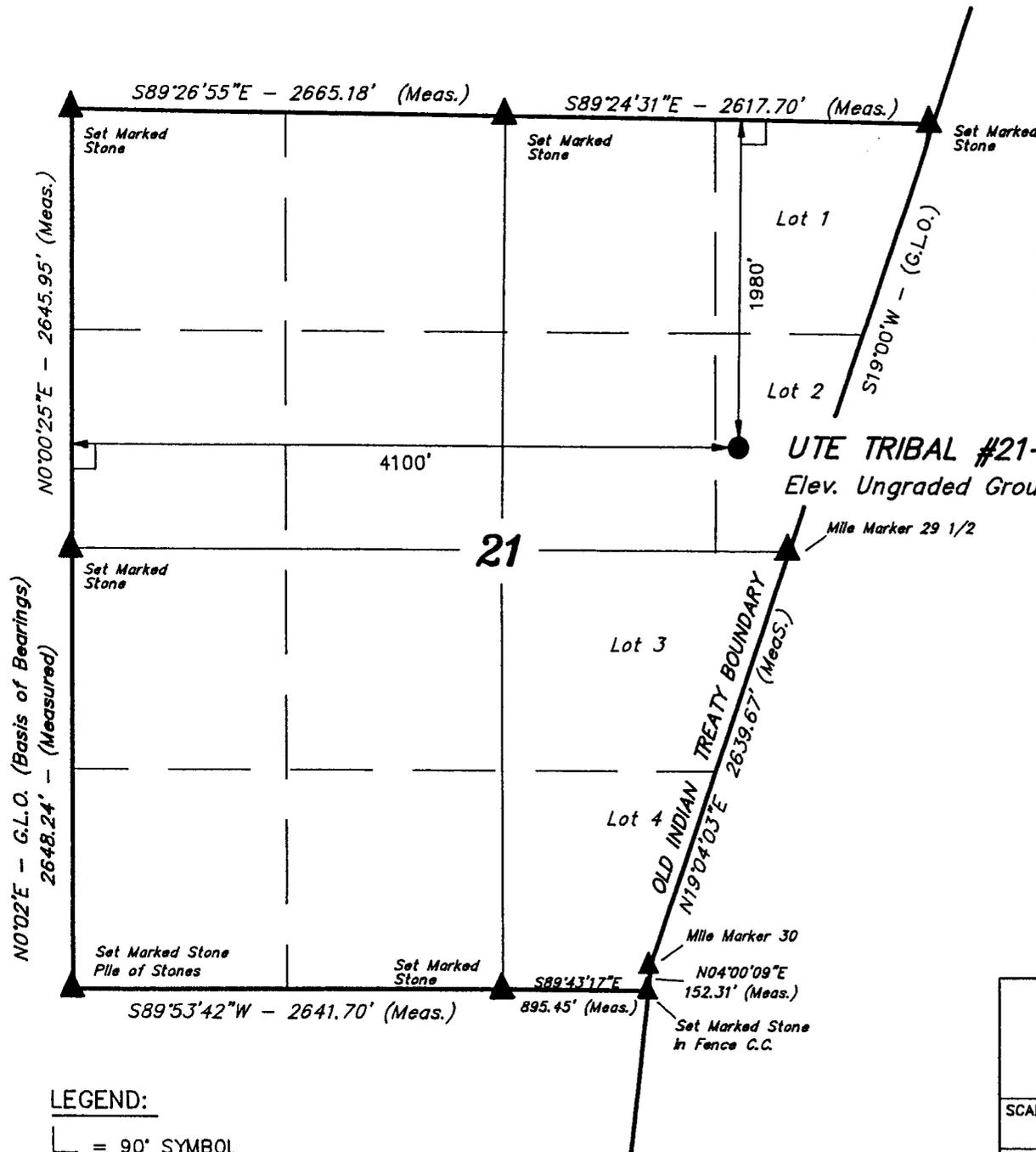
Federal Approval of this  
Action is Necessary

DIV. OF OIL, GAS & MINING

T5S, R3W, U.S.B.&M.

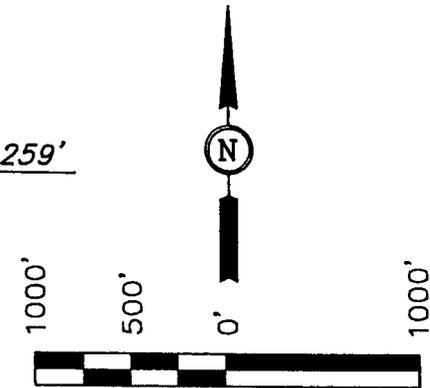
PETROGLYPH OPERATING CO., INC.

Well location, UTE TRIBAL #21-08, located as shown in Lot 2 of Section 21, T5S, R3W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION LOCATED IN THE NW 1/4 SW 1/4 OF SECTION 28, T5S, R3W, U.S.B.&M. TAKEN FROM THE MYTON SW QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6573 FEET.



SCALE

CERTIFICATE

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

*Robert L. Gray*  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 161319  
 STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
 85 SOUTH 200 EAST - VERNAL, UTAH 84078  
 (801) 789-1017

LEGEND:

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

SCALE 1" = 1000'	DATE SURVEYED: 10-15-96	DATE DRAWN: 10-29-96
PARTY B.B. L.D.T. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

UTE TRIBAL #21-08

Lot 2, SEC. 21, T5S R3W

DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2887.5	3378
'X' marker	4483.5	1782
Douglas Creek	4623.5	1642
"B" Limestone	5000.5	1265
B/Castle Peak Limestone	5555.5	710
Basal Carbonate Limestone	5980.5	285
Total Depth	6090.5	175

Anticipated BHP                      2600 psi

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4623.5	1642
Oil/Gas	B/Castle Peak	5555.5	710
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>MINIMUM SAFETY FACTOR</u>		
						<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 6090.5'	6090.5'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN

UTE TRIBAL #21-08  
Lot 2, SEC. 21, T5S R3W  
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

<u>INTERVAL</u>	<u>MUD TYPE</u>
0' - 250'	Air
250' - 4000'	Air/Mist & Aerated Water
4000' - TD	Air/3% KCL water or KCL substitute
TD	Gel/polyacrylamide polymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging	T.D. to base of surface csg.
Compensated Density-Compensated Neutron Log	T.D. to base of surface csg.
Dual Laterolog - Micro-SFL	T.D. to base of surface csg.
Numar (Magnetic Resonance Imaging Log)	@ Geologists discretion

Cores: None Programmed

DST': None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL #21-08

Lot 2, SEC. 21, T5S R3W

DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or 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.

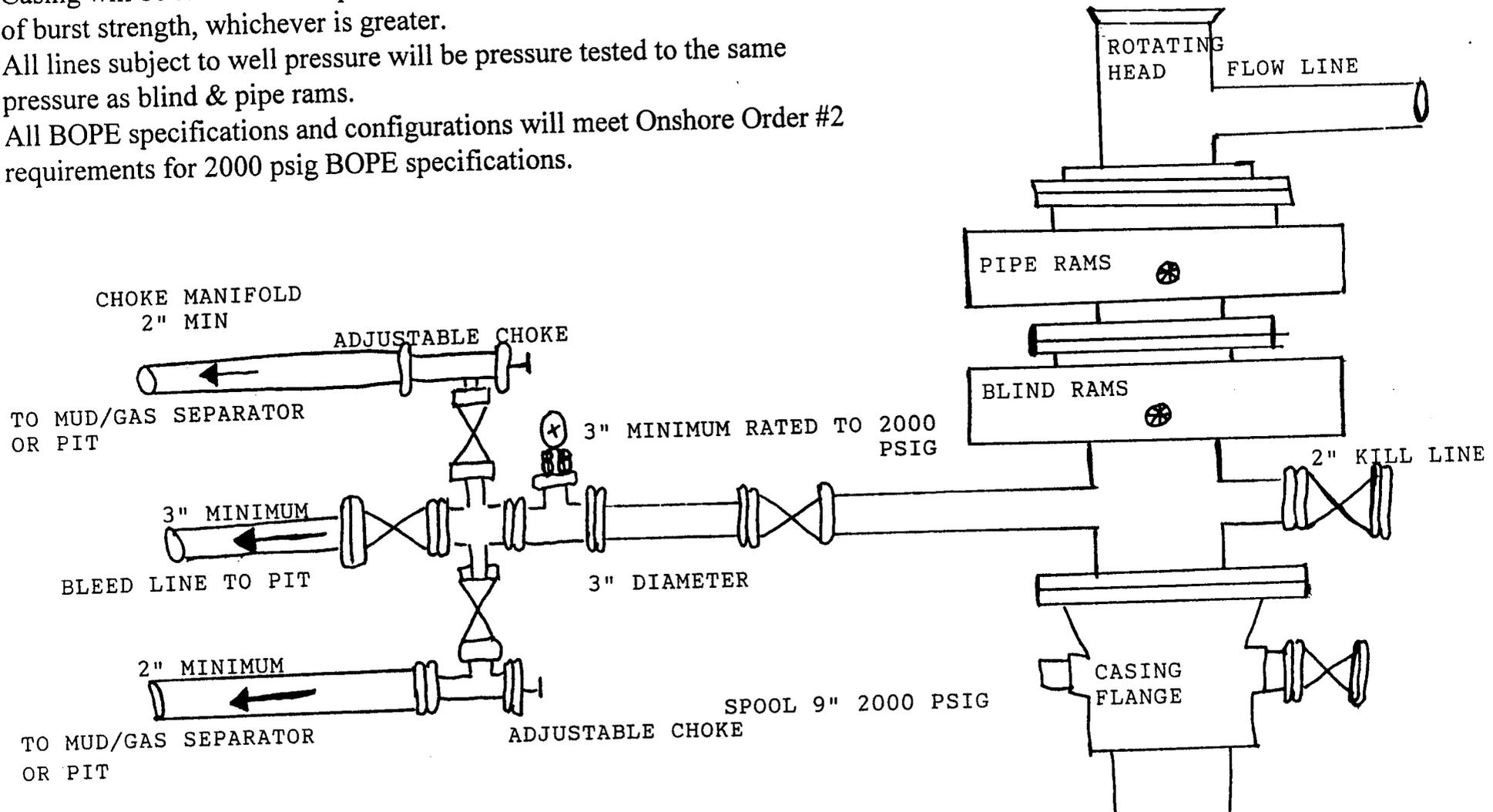
(Attachment: BOP Schematic Diagram)

# 2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.  
CASING FLANGE IS 9" 2000 PSIG RATED.  
BOPE 9" 2000 PSIG

## TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



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

Company/Operator: Petroglyph Operating Co., Inc.  
Well Name & Number: Ute Tribal #21-08  
Lease Number: BIA 14-20-H62-3516  
Location: 1980' FNL & 4100' FWL Lot 2, Sec. 21, T5S R3W  
U.S.B.&M., Duchesne County, Utah  
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the well.

Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.

BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.

First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

## THIRTEEN POINT SURFACE USE PROGRAM

### 1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 20.7 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

### 2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.1 mile in length. See attached TOPO Map "B"
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on catterguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 6\*
- G. Shut in wells - None
- H. Injection wells - None

(\*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - Yes
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None

4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

**B. OFF WELL PAD**

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel pipeline will be laid approximately 1600' from proposed location to a point in the NE/NE of Section 21, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. A second pipeline will be laid approximately 500' from the proposed location to a point in the SW/NE in Section 21, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipelines cross Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline routes.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the North side of the location.

All permanent (on site for six months or longer) 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 Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded. The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an

application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

- B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

To protect the environment:

If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

\_\_ To protect the environment (without a chemical analysis) reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

\_\_ Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production. After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

**8. ANCILLARY FACILITIES**

A. No airstrips or camps are planned for this well.

**9. WELL SITE LAYOUT**

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the South side of the location.

The flare pit will be located downwind of the prevailing wind direction on the South side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the North side.

Access to the well pad will be from the West.

N/A Diversion ditch(es) shall be constructed on the \_\_\_\_\_ side of the location (above/below) the cut slope, draining to the \_\_\_\_\_

N/A Soil compacted earthen berm(s) shall be placed on the \_\_\_\_\_ side(s) of the location between the \_\_\_\_\_

N/A The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons \_\_\_\_\_

X Corner No. 2 & 6 will be rounded off to minimize excavation.

## FENCING REQUIREMENTS

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

- A. 39 inch net wire shall 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).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location.

Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a

new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

## 10. PLANS FOR RESTORATION OF SURFACE

### A. PRODUCING LOCATION

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

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

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

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 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

### B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

#### ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated

fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe  
Location: Ute Indian Tribe

12. OTHER INFORMATION

A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:  
-whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA, or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.
- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that

permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

**Additional Surface Stipulations**

N/A No construction or drilling activities shall be conducted between \_\_\_\_\_ and \_\_\_\_\_ because of \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

N/A No surface occupancy will be allowed within 1,000 feet of any sage Grouse hunting ground.

N/A No construction or exploration activities are permitted within a 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately \_\_\_\_\_ feet \_\_\_\_\_ of the location, as flagged on the onsite.

**LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION**

**PERMITTING**

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Telephone: (435)789-4120  
Fax: (435)789-1420

**OPERATIONS**

Steve Wall  
P.O. Box 607  
Roosevelt, UT 84066  
(435)722-2531  
(435)722-9145

All lease 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 approval plan of operations, and any applicable Notice to Lessees.

Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.

The BIA office shall be notified upon site completion prior to moving on the drilling rig.

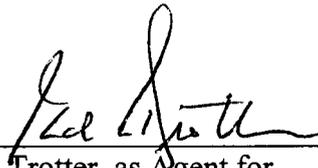
**Certification**

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

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 21-08 Well, located in Lot 2 of Section 21, T5S, R3W, Duchesne County, Utah; Lease #14-20-H62-3516;** and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #4138336.

7-2-2008

Date

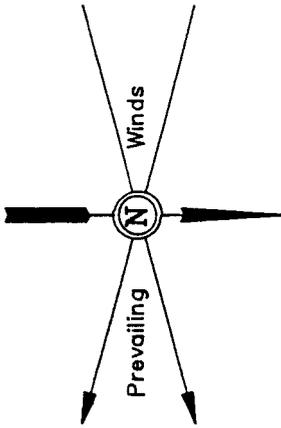


Ed Trotter, as Agent for  
Petroglyph Operating Co., Inc.

PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #21-08  
SECTION 21, T5S, R3W, U.S.B.&M.  
1980' FNL 4100' FWL



SCALE: 1" = 50'  
DATE: 10-29-96  
Drawn By: D.R.B.

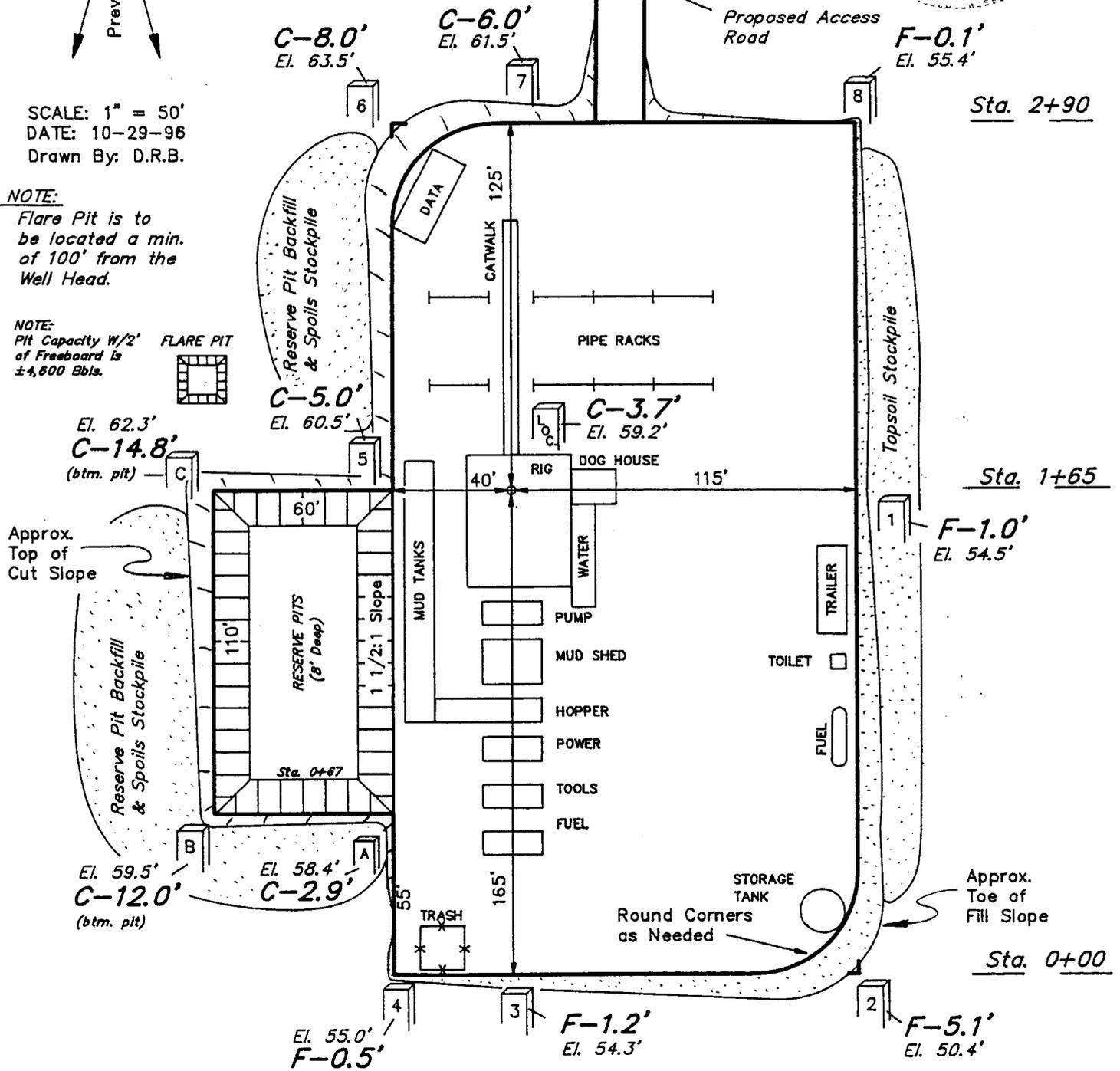
**NOTE:**

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

**NOTE:**

PIT Capacity W/2' of Freeboard is ±4,600 Bbls.

FLARE PIT



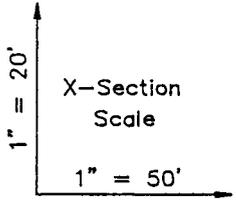
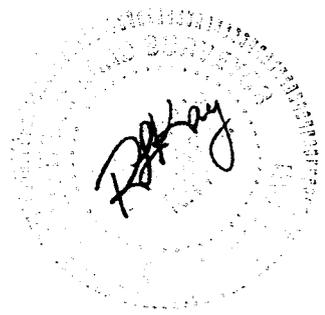
Elev. Ungraded Ground at Location Stake = 6259.2'

Elev. Graded Ground at Location Stake = 6255.5'

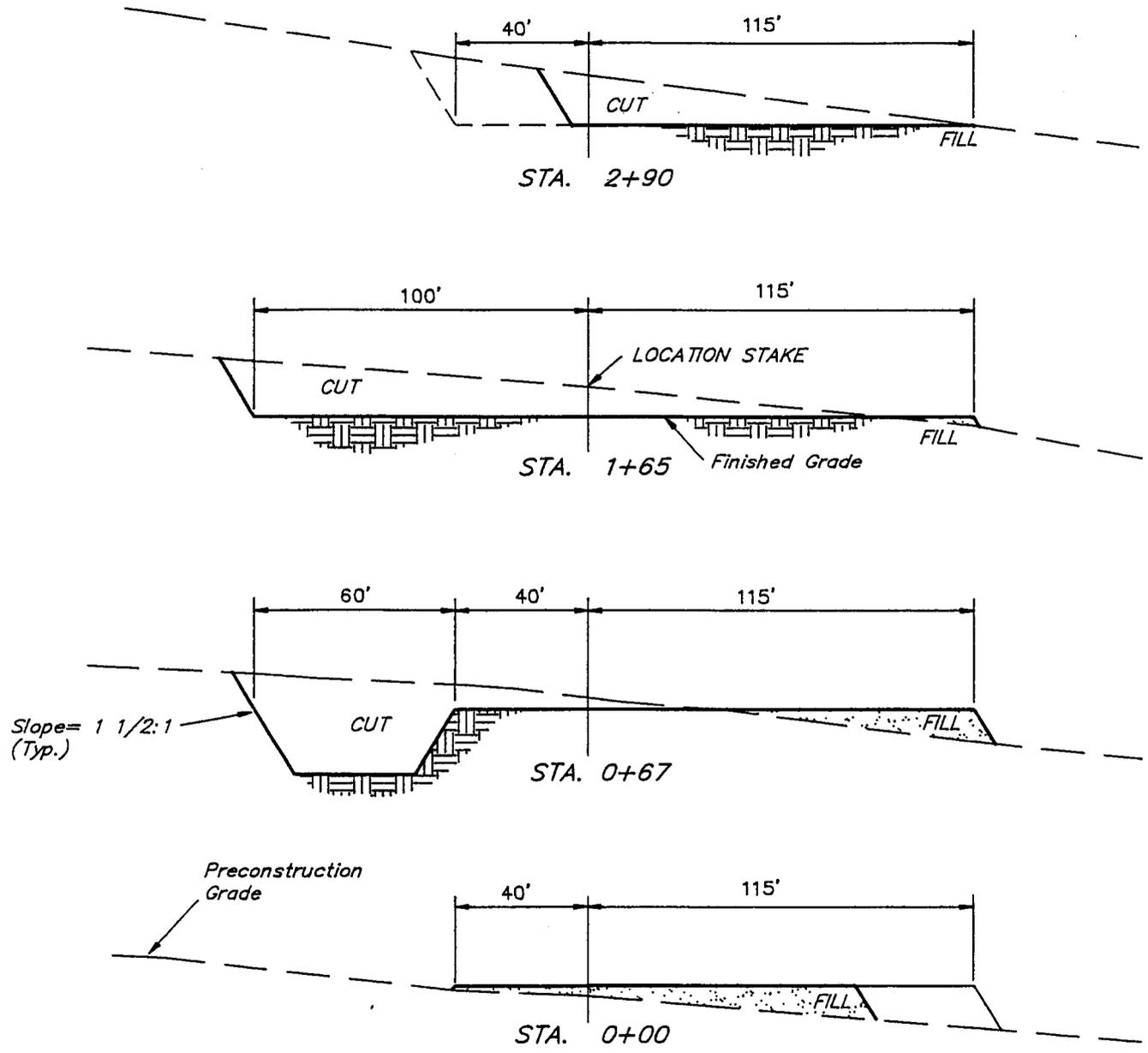
PETROGLYPH OPERATING CO., INC.

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #21-08  
SECTION 21, T5S, R3W, U.S.B.&M.  
1980' FNL 4100' FWL



DATE: 10-29-96  
Drawn By: D.R.B.

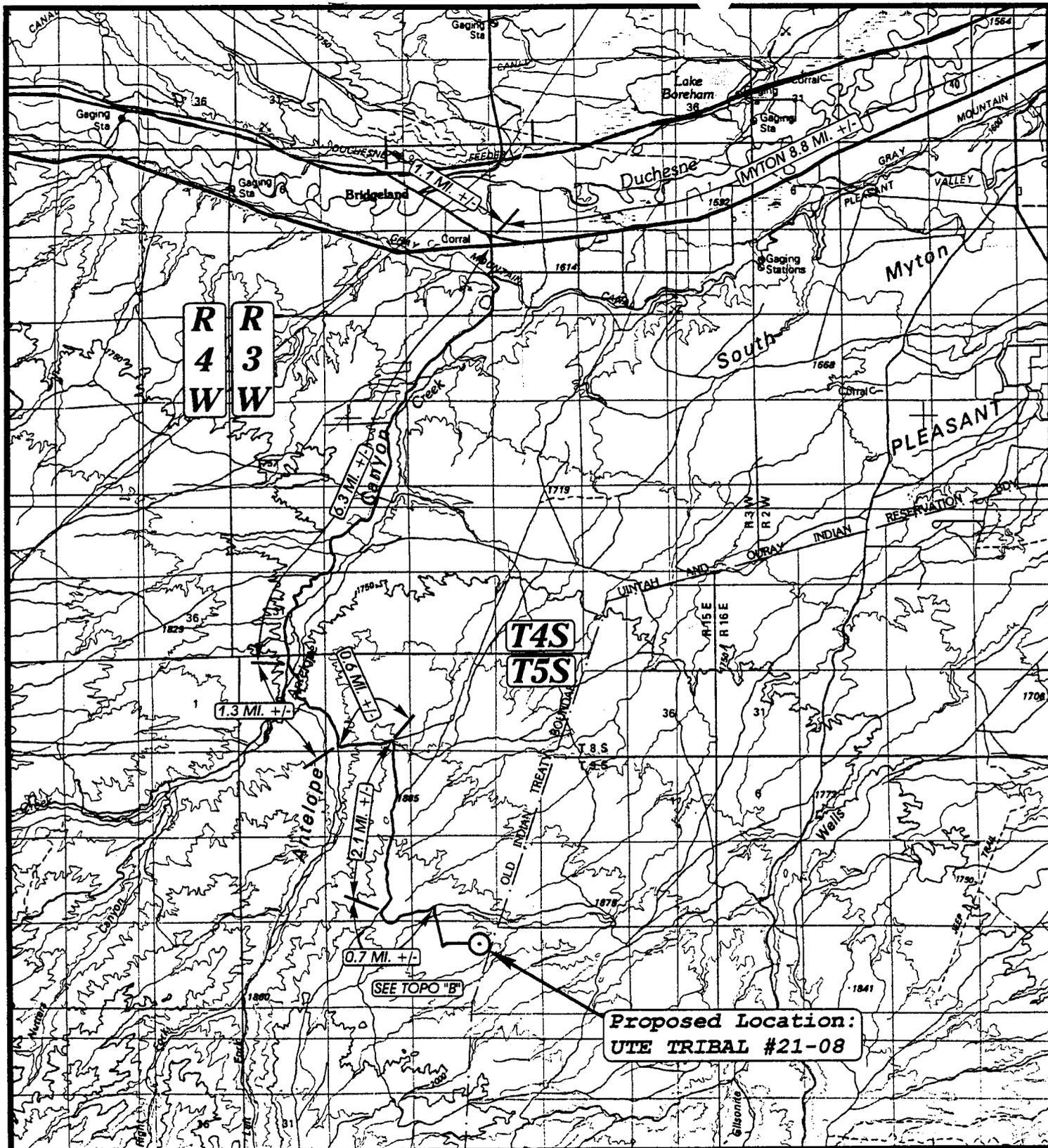


APPROXIMATE YARDAGES

(12") Topsoil Stripping	=	1,910 Cu. Yds.
Remaining Location	=	4,270 Cu. Yds.
<b>TOTAL CUT</b>	<b>=</b>	<b>6,180 CU.YDS.</b>
<b>FILL</b>	<b>=</b>	<b>1,870 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	=	4,210 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	4,210 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

**UINTAH ENGINEERING & LAND SURVEYING**  
85 So. 200 East \* Vernal, Utah 84078 \* (801) 789-1017



UELS

**TOPOGRAPHIC  
MAP "A"**

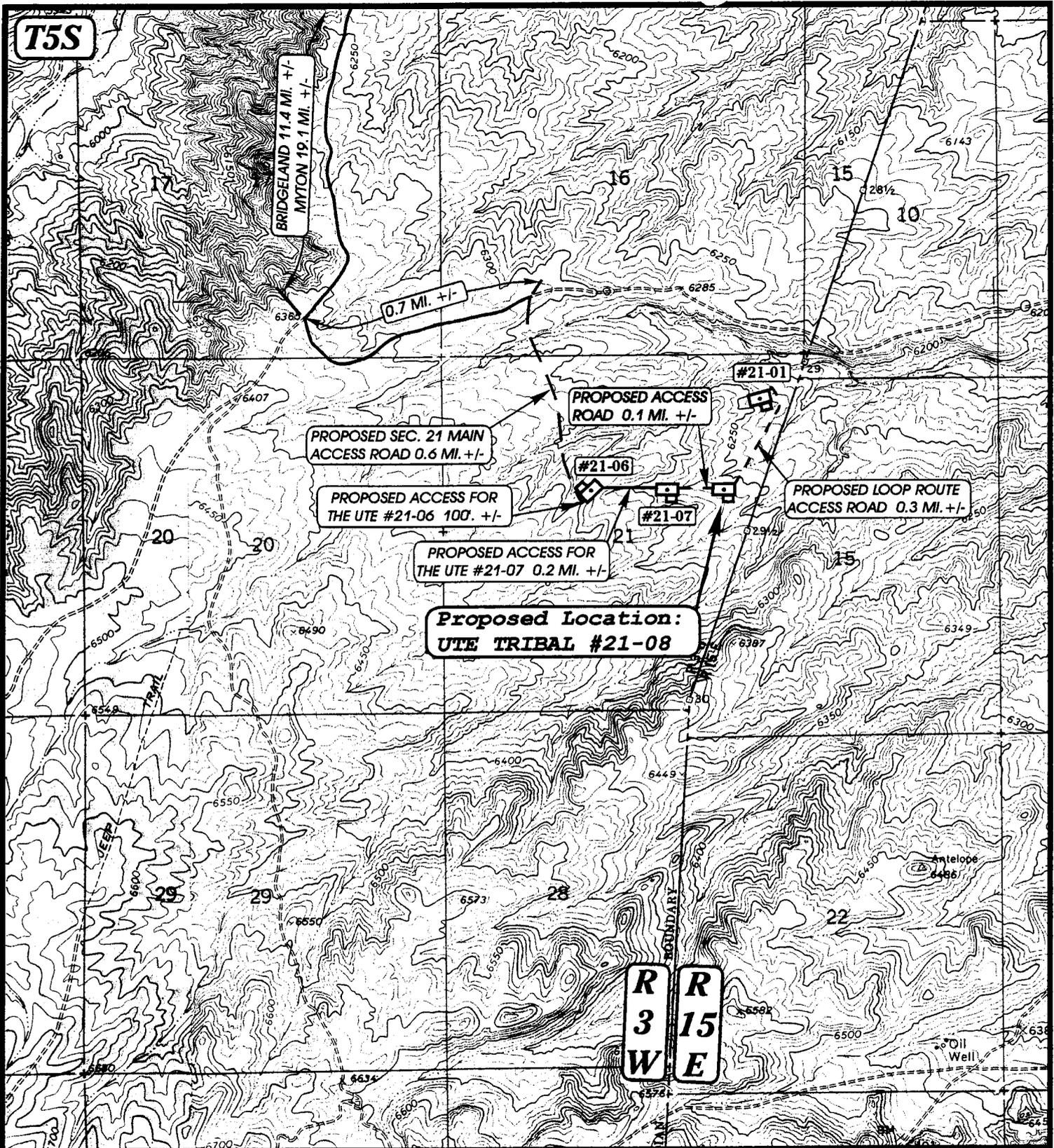
DATE: 10-29-96  
Drawn by: JLG

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



**PETROGLYPH OPERATING CO., INC.**

UTE TRIBAL #21-08  
SECTION 21, T5S, R3W, U.S.B.&M.  
1980' FNL 4100' FWL



**T5S**

BRIDGELAND 11.4 MI. +/-  
MYTON 19.1 MI. +/-

0.7 MI. +/-

PROPOSED SEC. 21 MAIN  
ACCESS ROAD 0.6 MI. +/-

PROPOSED ACCESS FOR  
THE UTE #21-06 100. +/-

PROPOSED ACCESS FOR  
THE UTE #21-07 0.2 MI. +/-

**Proposed Location:  
UTE TRIBAL #21-08**

PROPOSED ACCESS  
ROAD 0.1 MI. +/-

PROPOSED LOOP ROUTE  
ACCESS ROAD 0.3 MI. +/-

**R  
3  
W  
E**

**UELS**

**TOPOGRAPHIC  
MAP "B"**

DATE: 10-30-96  
Drawn by: D.COX

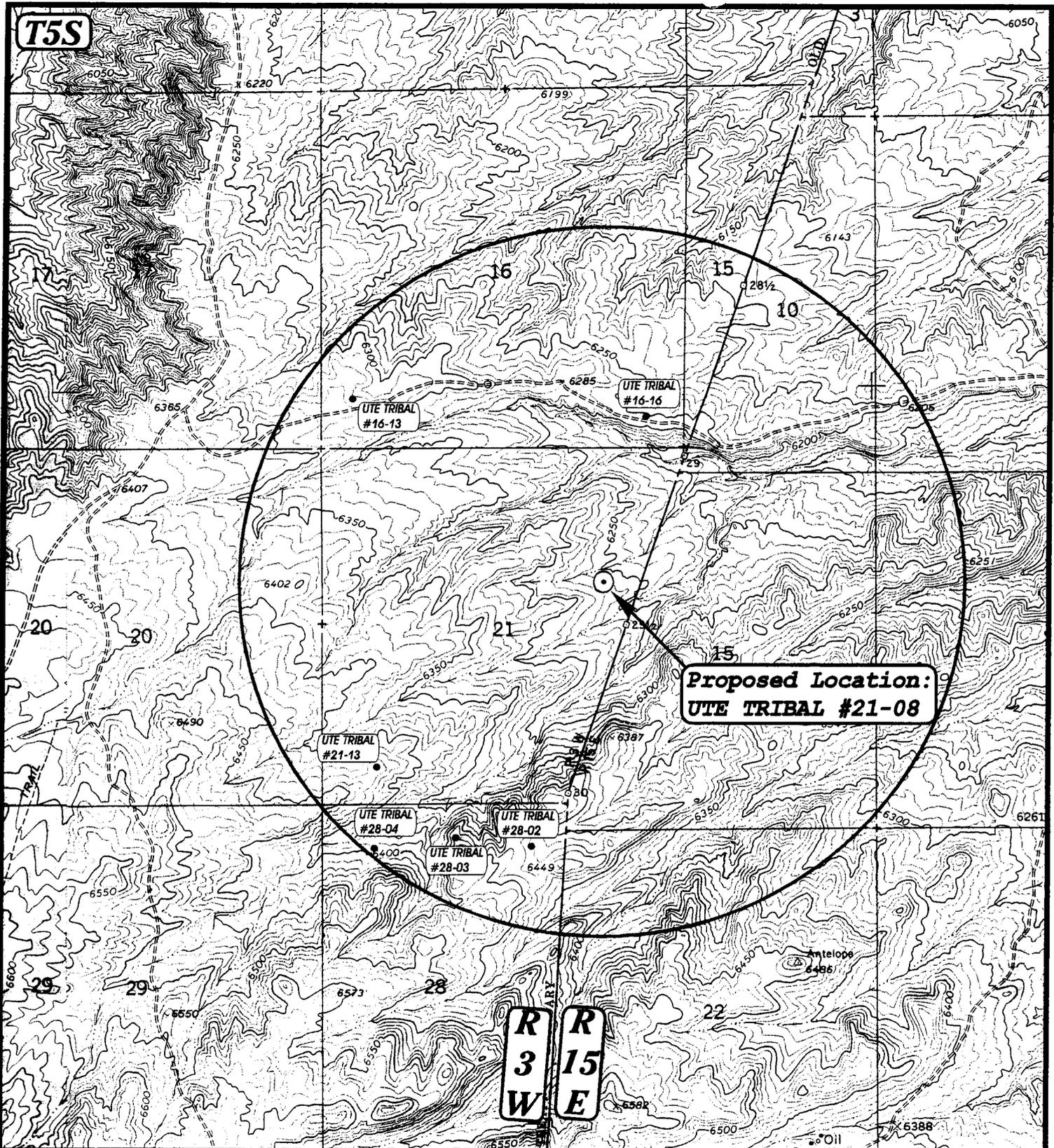
UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #21-08  
SECTION 21, T5S, R3W, U.S.B.&M.  
1980' FNL 4100' FWL**

SCALE: 1" = 2000'



**Proposed Location:  
UTE TRIBAL #21-08**

**LEGEND:**

- Water Wells
  - Abandoned Wells
  - Temporarily Abandoned Wells
  - Disposal Wells
  - Drilling Wells
  - Producing Wells
  - Shut-in Wells

UTAH ENGINEERING & LAND SURVEYING  
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

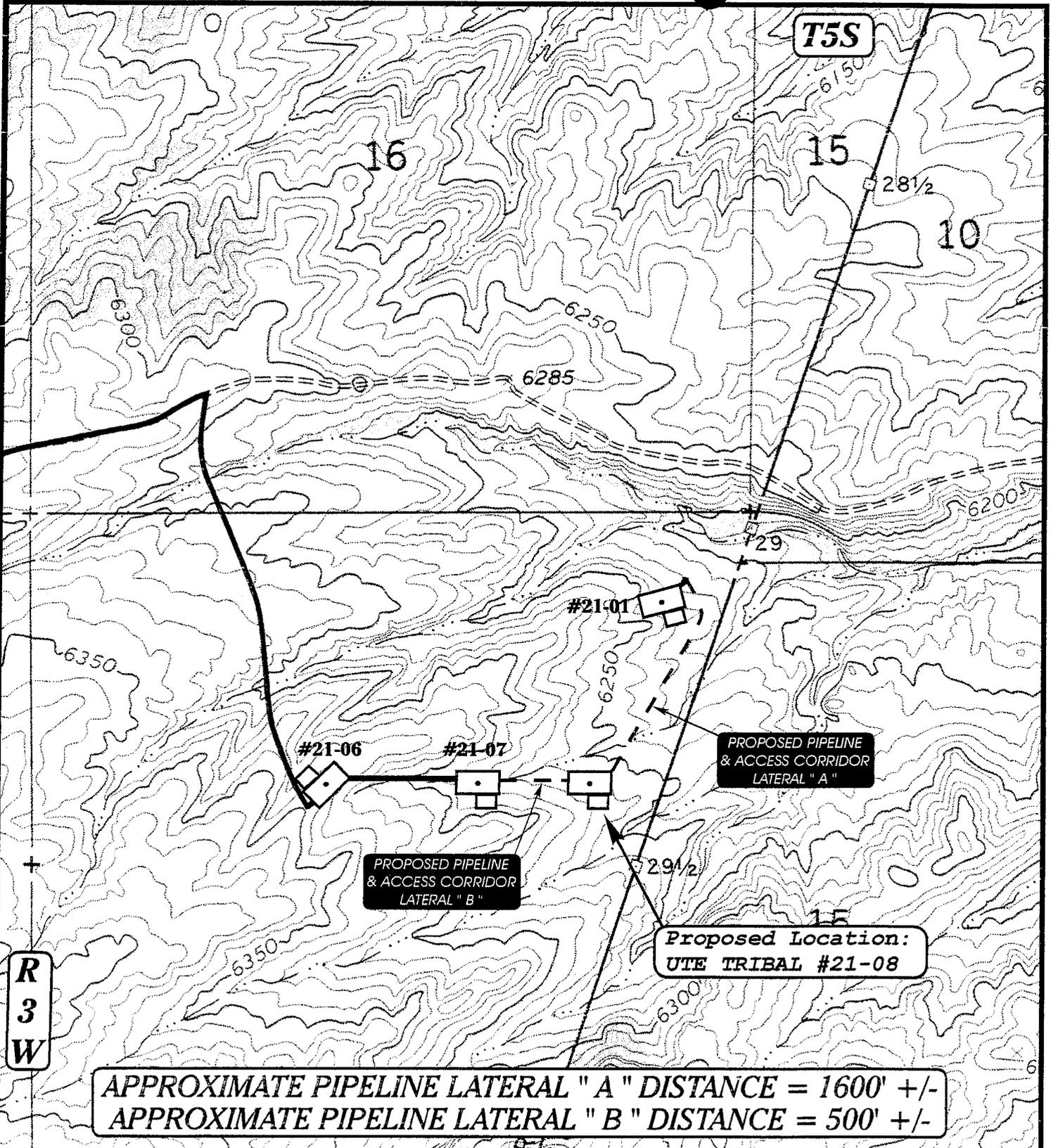


**PETROGLYPH OPERATING CO., INC.**

UTE TRIBAL #21-08  
 SECTION 21, T5S, R3W, U.S.B.&M.  
**TOPOGRAPHIC  
MAP "C"**

SCALE: 1" = 2000'

DATE: 10-30-96 Drawn by: D.COX



APPROXIMATE PIPELINE LATERAL " A " DISTANCE = 1600' +/-  
 APPROXIMATE PIPELINE LATERAL " B " DISTANCE = 500' +/-

TOPOGRAPHIC  
 MAP " D "

Proposed Pipeline &  
 Road Corridor



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #21-08  
 SECTION 21, T5S, R3W, U.S.B.&M.

DATE: 10-30-96  
 Drawn by: D.COX

SCALE: 1" = 1000'

UINTAH ENGINEERING & LAND SURVEYING  
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

**WORKSHEET  
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 07/30/2008

API NO. ASSIGNED: 43-013-34053

WELL NAME: UTE TRIBAL 21-08  
 OPERATOR: PETROGLYPH OPERATING CO ( N3800 )  
 CONTACT: ED TROTTER

PHONE NUMBER: 435-722-2531

PROPOSED LOCATION:

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

SENE 21 050S 030W  
 SURFACE: 1980 FNL 4100 FWL  
 BOTTOM: 1980 FNL 4100 FWL  
 COUNTY: DUCHESNE  
 LATITUDE: 40.03379 LONGITUDE: -110.2221  
 UTM SURF EASTINGS: 566368 NORTHINGS: 4431587  
 FIELD NAME: ANTELOPE CREEK ( 60 )

LEASE TYPE: 2 - Indian  
 LEASE NUMBER: 14-20-H62-3516  
 SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: CSLPK  
 COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

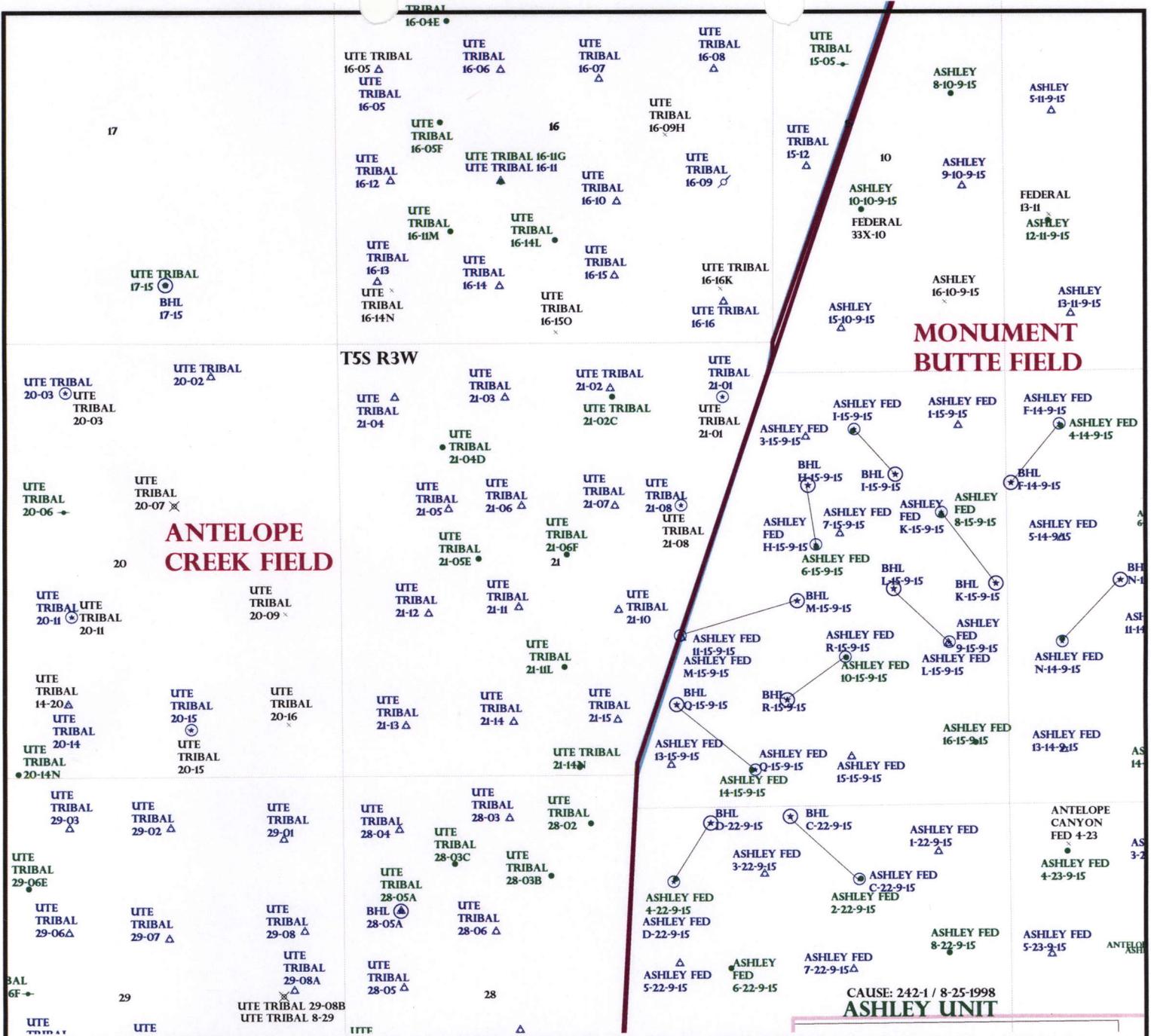
- Plat
- Bond: Fed[] Ind[2] Sta[] Fee[]  
(No. 4138336 )
- Potash (Y/N)
- Oil Shale 190-5 (B) or 190-3 or 190-13
- Water Permit  
(No. 43-10152 )
- RDCC Review (Y/N)  
(Date: )
- Fee Surf Agreement (Y/N)
- Intent to Commingle (Y/N)

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. Scale of 1/4 inch  
2. Spacing 50'  
 \_\_\_\_\_  
 \_\_\_\_\_



OPERATOR: PETROGLYPH OPER (N3800)

SEC: 21 T.5S R. 3W

FIELD: ANTELOPE (60)

COUNTY: DUCHESNE

SPACING: R649-3-2 / GENERAL SITING

Field Status	Unit Status
ABANDONED	EXPLORATORY
ACTIVE	GAS STORAGE
COMBINED	NF PP OIL
INACTIVE	NF SECONDARY
PROPOSED	PENDING
STORAGE	PI OIL
TERMINATED	PP GAS
	PP GEOTHERML
	PP OIL
	SECONDARY
	TERMINATED

**UTAH DNR**

OIL, GAS & MINING

**Wells Status**

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

PREPARED BY: DIANA MASON  
DATE: 31-JULY-2008



JON M. HUNTSMAN, JR.  
Governor

GARY R. HERBERT  
Lieutenant Governor

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

July 31, 2008

Petroglyph Operating Co., Inc.  
P O Box 607  
Roosevelt, UT 84066

Re: Ute Tribal 21-08 Well, 1980' FNL, 4100' FWL, SE NE, Sec. 21, T. 5 South, R. 3 West,  
Duchesne 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 43-013-34053.

Sincerely,

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Duchesne County Assessor  
Bureau of Land Management, Vernal Office



**Operator:** Petroglyph Operating Co., Inc.

**Well Name & Number** Ute Tribal 21-08

**API Number:** 43-013-34053

**Lease:** 14-20-H62-3516

**Location:** SE NE                      **Sec.** 21                      **T.** 5 South                      **R.** 3 West

### **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 (801) 538-5284.

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

- Contact Dustin Doucet at (801) 538-5281 office      (801) 733-0983 home

**3. Reporting Requirements**

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

**4. 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.**

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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

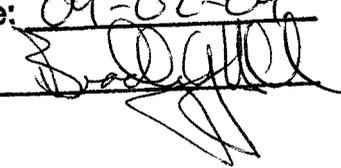
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3516
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO., INC.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
3. ADDRESS OF OPERATOR: P.O. BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: UTE TRIBAL
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' FNL, 4100' FWL		8. WELL NAME and NUMBER: UTE TRIBAL 21-08
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: LOT 2 21 5S 3W U		9. API NUMBER: 4301334053
COUNTY: DUCHESNE		10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK
STATE: UTAH		

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

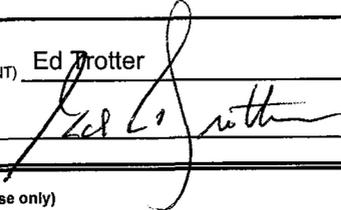
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____  <input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/>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

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  
APD was approved July 31, 2008. Operator requests that approval be extended for another year.

Approved by the  
Utah Division of  
Oil, Gas and Mining

Date: 09-02-09  
By: 

**COPY SENT TO OPERATOR**  
Date: 9.3.2009  
Initials: KS

NAME (PLEASE PRINT) <u>Ed Trotter</u>	TITLE <u>Agent</u>
SIGNATURE 	DATE <u>8/26/2009</u>

(This space for State use only)

**RECEIVED**  
**AUG 31 2009**

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

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

**API:** 4301334053  
**Well Name:** UTE TRIBAL 21-08  
**Location:** 1980' FNL, 4100' FWL, LOT 2, SEC. 21, T5S, R3W  
**Company Permit Issued to:** PETROGLYPH OPERATING CO., INC.  
**Date Original Permit Issued:** 7/31/2008

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

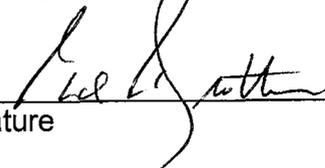
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes  No

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

8/26/2009  
\_\_\_\_\_  
Date

Title: Agent

Representing: Petroglyph Operating Co., Inc.

**RECEIVED**  
**AUG 31 2009**  
DIV. OF OIL, GAS & MINING

Expires July 31, 2010

RECEIVED  
VERNAL FIELD OFFICE

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 28 PM 2 01

5. Lease Serial No.  
**14-20-H62-3516**

6. If Indian, Allottee or Tribe Name  
**UTE INDIAN TRIBE**

APPLICATION FOR PERMIT TO DRILL OR REENTER

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MGMT

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

7. If Unit or CA Agreement, Name and No.  
**UTE TRIBAL 14-20-H62-41650**  
8. Lease Name and Well No.  
**UTE TRIBAL #21-08**

2. Name of Operator  
**PETROGLYPH OPERATING CO., INC.**

9. API Well No.  
**43-013-34053**

3a. Address **P.O. BOX 607,  
ROOSEVELT, UT 84066**

3b. Phone No. (Include area code)  
**(435)722-2531**

10. Field and Pool, or Exploratory  
**ANTELOPE CREEK**

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)  
At surface **1980' FNL, 4100' FWL** **Lot 2**  
At proposed prod. Zone

11. Sec., T., R., M., or Blk. and Survey or Area  
**SEC. 21, T5S, R3W,  
U.S.B.&M.**

14. Distance in miles and direction from nearest town or post office\*  
**20.7 MILES SOUTHWEST OF MYTON, UTAH**

12. County or Parish **DUCHESNE** 13. State **UTAH**

15. Distance from proposed\* location to nearest property or lease line, ft. **1980'**  
(Also to nearest drig. Unit line, if any)

16. No. of Acres in lease  
**533.33** ✓

17. Spacing Unit dedicated to this well  
**40**

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft. **See Topo Man "C"**

19. Proposed Depth  
**6090.5** ✓

20. BLM/BIA Bond No. on file  
**Bond #4138336**

21. Elevations (Show whether DF, KDB, RT, GL, etc.)  
**6255.5 FEET GRADED GROUND**

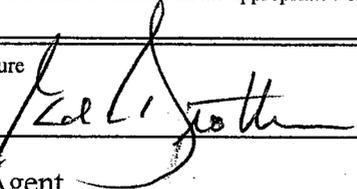
22. Approximate date work will start\*  
**UPON APPROVAL**

23. Estimated duration  
**45 DAYS**

24. Attachments

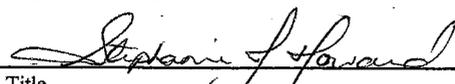
The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

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

25. Signature   
Title **Agent**

Name (Printed/Typed)  
**Ed Trotter**

Date  
**July 2, 2008**

Approved by (Signature)   
Title **Acting Assistant Field Manager  
Lands & Mineral Resources**

Name (Printed/Typed),  
**Stephanie J Howard**  
Office **VERNAL FIELD OFFICE**

Date  
**1/12/10**

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. **CONDITIONS OF APPROVAL 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.

\*(Continued on page 2)

RECEIVED

JAN 28 2010

NOTICE OF APPROVAL

09CS0007A





**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**

<b>Company:</b>	Petroglyph Operating Co., Inc.	<b>Location:</b>	Lot 2, Sec. 21, T5S, R3W
<b>Well No:</b>	Ute Tribal 21-08	<b>Lease No:</b>	14-20-H62-3516
<b>API No:</b>	43-013-34053	<b>Agreement:</b>	Antelope Creek 14-20-H62-4650

**OFFICE NUMBER: (435) 781-4400**

**OFFICE FAX NUMBER: (435) 781-3420**

**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 two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Construction Activity (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- The Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist shall be notified at least 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion (Notify Ute Tribe Energy & Minerals Dept. and BLM Environmental Scientist)	- Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion. Notify the BLM Environmental Scientist prior to moving on the drilling rig.
Spud Notice (Notify BLM Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings to: <a href="mailto:ut_vn_opreport@blm.gov">ut_vn_opreport@blm.gov</a> .
BOP & Related Equipment Tests (Notify BLM Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify BLM 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)**

General Conditions of Approval

- A 50 foot corridor access road right-of-way shall be approved.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROW's.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APD's and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

#### Additional Conditions of Approval

- Paint all facilities and equipment desert tan.
- Round corners per tech approval.
- Diversion ditch around well pad as per tech approval.

**DOWNHOLE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**SITE SPECIFIC DOWNHOLE COAs:**

Site Specific Drilling Plan COA's:

- All casing strings below the conductor shall be pressure tested to 0.22 psi/foot or 1500 psi, whichever is greater but not to exceed 70% of the internal yield.
- BOPE shall be tested in accordance with Onshore Order #2.

Variances Granted

Air Drilling

- Dust suppression equipment. Variance granted for water mist system to substitute for the dust suppression equipment.
- Blooie line discharge 100' from the well bore, variance granted for blooie line discharge to be 75' from the well bore.
- Compressors located in the opposite direction from the blooie line a minimum of 100' from the well bore. Variance granted for compressors to be 75' from well bore.
- Straight run blooie line. Variance granted for targeted "T"s at bends.
- Automatic igniter. Variance granted to not have an igniter at the end of the blooie line.

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

**DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- 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.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, 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.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement 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.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

## OPERATING REQUIREMENT REMINDERS:

- 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.
- 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.
- 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:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - 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).
  - 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.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- 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.
- 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.

- 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.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal 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. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- 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.
- 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 and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- 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.
- 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.
- 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.

BLM - Vernal Field Office - Notification Form

Operator Petroglyph Operating Rig Name/# Craigs/ Air rig  
 Submitted By Jason Bywater Phone Number 435-722-5310  
 Well Name/Number Ute Tribal 21-08  
 Qtr/Qtr Lot 2 Section 21 Township 5S Range 3W  
 Lease Serial Number 14-20-H62-3516  
 API Number 43-013-34053

Spud Notice – Spud is the initial spudding of the well, not drilling out below a casing string.

Date/Time 02/18/2010 13:00 AM  PM

Casing – Please report time casing run starts, not cementing times.

- Surface Casing
- Intermediate Casing
- Production Casing
- Liner
- Other

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Date/Time \_\_\_\_\_ AM  PM

BOPE

- Initial BOPE test at surface casing point
- BOPE test at intermediate casing point
- 30 day BOPE test
- Other

Date/Time \_\_\_\_\_ AM  PM

Remarks Verbal notice given to Ryan Angus on 2/16/10

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

**CONFIDENTIAL**

FORM 6

**ENTITY ACTION FORM**

Operator: Petroglyph Operating Company Operator Account Number: N 3800  
Address: P.O. Box 607  
city Roosevelt  
state UT zip 84066 Phone Number: (435) 722-2531

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334052	Ute Tribal 21-01		NENE	21	T5S	R3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	12051	12051	2/18/2010		4/28/10		
Comments: CSLPK = GRRV							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301334053	Ute Tribal 21-08		NW1/4	21	T5S	R3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	12051	12051	2/18/2010		4/28/10		
Comments: CSLPK = GRRV							

**Well 3**

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

**ACTION CODES:**

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

Glenda Davis

Name (Please Print)

Signature

Office Manager

Title

4/27/2010

Date

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DIV. OF OIL, GAS & MINING

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

FORM 9

**SUNDRY NOTICES AND REPORTS ON WELLS**

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>1. TYPE OF WELL</b> OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14H623516
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING COMPANY		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b> UTE INDIAN TRIBE
<b>3. ADDRESS OF OPERATOR:</b> PO BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		<b>7. UNIT or CA AGREEMENT NAME:</b> 14H624650
<b>4. LOCATION OF WELL</b> FOOTAGES AT SURFACE: 1980 FNL, 4071 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 21 5S 3W U		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 21-08
		<b>9. API NUMBER:</b> 4301334053
		<b>10. FIELD AND POOL, OR WLD CAT:</b> ANTELOPE CREEK FIELD
		COUNTY: DUCHESNE 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 checked="" 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.**  
DATE OF FIRST PRODUCTION FOR THIS WELL WAS ON 6/30/2010

NAME (PLEASE PRINT) <u>GLEND A DAVIS</u>	TITLE <u>OFFICE MANAGER</u>
SIGNATURE <u><i>Glenda Davis</i></u>	DATE <u>7/6/2010</u>

(This space for State use only)

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

AMENDED REPORT  FORM 8  
(highlight changes)

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H623516

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER: UTE TRIBAL 21-08

9. API NUMBER: 4301334053

10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 21 5S 3W

12. COUNTY: DUCHESNE 13. STATE: UTAH

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

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

2. NAME OF OPERATOR: PETROGLYOH

3. ADDRESS OF OPERATOR: BOX 607 CITY ROOSEVELT STATE UT ZIP 84066 PHONE NUMBER: (435) 722-2531

4. LOCATION OF WELL (FOOTAGES):  
AT SURFACE: 1980' FNL 4100' FWL SEC 21 T5S R3W  
AT TOP PRODUCING INTERVAL REPORTED BELOW: 1996' FNL 4086 FWL SEC 21 T5S R3W  
AT TOTAL DEPTH: 1992' FNL 4071' FWL SEC 21 T5S R3W

*BHL reviewed by HSM*

14. DATE SPUDDED: 2/22/2010 15. DATE T.D. REACHED: 6/10/2010 16. DATE COMPLETED: 6/29/2010 ABANDONED  READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): 6269 RKB

18. TOTAL DEPTH: MD 6,166 TVD 6,166.5 19. PLUG BACK T.D.: MD 6,105 TVD 6,105.4 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): ACTR, BHV, SPEC. DNLDS, CBL, DIRECTIONAL SURVEY

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20	14		0	40					CONDUCT
12.25	8.625 J-55	24	0	499		G 270	56	0 CIRC	SURF
7.875	5.5 J-55	15.5	0	6,156		G 800	248	0 CIRC	PROD

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,798							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS	
(A) GREEN RIVER	4,194	5,722			4,194 4,204	.42	40	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B)					4,341 4,345	.42	16	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C)					4,657 4,670	.42	52	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)					4,823 4,826	.42	12	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4194-4345	19,665# SAND 1#-5# RAMP 286 BBLS #20 DELTA 140 W/250 GALS. 15% HCL
4657-4670	25,038# SAND 1#-5# RAMP 276 BBLS #20 DELTA 140 W/266 GALS. 15% HCL
4823-4836	20,005# SAND 1#-5# RAMP 223 BBLS #20 DELTA 140 W/250 GALS. 15% HCL

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:

POW

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DIV. OF OIL, GAS & MINING

**PETROGLYPH**



UTE TRIBAL 21-08 COMPLETION

**CONTINUATION OF OF PERF. INTERVALS AND FRACS.**

**FORM 8 SEC. 27**

***PERFS. CONT:***

4834'-4836'=.42 DIA 8 HOLES OPEN  
4932'-4940'=.42 DIA 32 HOLES OPEN  
4953'-4961'=.42 DIA 32 HOLES OPEN  
5072'-5077'=.42 DIA 20 HOLES OPEN  
5190'-5203'=.42 DIA 52 HOLES OPEN  
5476'-5491'=.42 DIA 60 HOLES OPEN  
5547'-5550'=.42 DIA 12 HOLES OPEN  
5718'-5722'=.42 DIA 16 HOLES OPEN

***ALL SHOTS 90 DEGREE PHASING 4SPF***

**FORM 8 SEC. 28**

FRACS. CONT:

***DEPTH INTERVAL:***

4932'-4961'=30,074# OF 1#-5# RAMP AND 5,200# OF 6# SAND 357 BBLS #20  
DELTA 140 W/250 GALS 15% HCL

5072'-5203'=30,581# OF 1#-5# RAMP AND 5,000# OF 6# SAND 339 BBLS #20  
DELTA 140 W/250 GALS 15% HCL

5476'-5491'=30,376# OF 1#-5# RAMP AND 5,000# OF 6# SAND 353 BBLS #20  
DELTA 140 W/466 GALS 15% HCL

5547'-5722'=15,321# OF 1#-5# RAMP 170 BBLS #20 DELTA 140

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 6/30/2010		TEST DATE: 7/1/2010		HOURS TESTED: 24		TEST PRODUCTION RATES: →	OIL – BBL: 3	GAS – MCF: 1	WATER – BBL: 99	PROD. METHOD: ROD PUMP
CHOKE SIZE: 28	TBG. PRESS. 83	CSG. PRESS. 200	API GRAVITY 33.00	BTU – GAS 1	GAS/OIL RATIO 333	24 HR PRODUCTION RATES: →	OIL – BBL: 3	GAS – MCF: 1	WATER – BBL: 99	INTERVAL STATUS: OPEN

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

USED FOR FUEL

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)
				MAHOGANY MKR.	2,906
				GARDEN GULCH	3,608
				B MKR	3,998
				X MKR	4,478
				Y MKR	4,514
				DOUGLAS CREEK	4,623
				B LIME	5,007
				CASTLE PEAK	5,568
				BASAL CARBONATE	5,981

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) BOYD COOK TITLE RIG REP  
 SIGNATURE *Boyd Cook* DATE 7-5-10

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

Job Number: 42DEF1006581  
 Company: PETROGLYPH  
 Lease/Well: UTE TRIBAL/ 21-08  
 Location: UTE TRIBAL  
 Rig Name: AZTEC 184  
 RKB: 6241  
 G.L. or M.S.L.:

State/Country: UT/ USA  
 Declination: 11.506  
 Grid:   
 File name: D:\WINSERVE\21-08.SVY  
 Date/Time: 11-Jun-10 / 01:03  
 Curve Name: UTE-TRIBAL 21-08 As Drilled

**Scientific Drilling**

WINSERVE SURVEY CALCULATIONS  
 Minimum Curvature Method  
 Vertical Section Plane .00  
 Vertical Section Referenced to Wellhead  
 Rectangular Coordinates Referenced to Wellhead

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
<b>First clean survey out of casing</b>									
547.00	1.93	107.75	546.90	-2.81	8.77	-2.81	9.21	107.75	.35
639.00	.62	106.43	638.87	-3.42	10.73	-3.42	11.26	107.69	1.42
730.00	.88	310.42	729.87	-3.11	10.67	-3.11	11.11	106.24	1.61
822.00	2.20	320.88	821.83	-1.28	9.01	-1.28	9.10	98.08	1.46
914.00	2.46	311.65	913.76	1.40	6.43	1.40	6.58	77.69	.50
1006.00	1.58	296.97	1005.70	3.29	3.82	3.29	5.04	49.26	1.10
1097.00	1.76	297.59	1096.66	4.51	1.46	4.51	4.74	17.98	.20
1190.00	1.85	291.96	1189.62	5.73	-1.20	5.73	5.85	348.21	.21
1280.00	1.85	291.44	1279.57	6.80	-3.89	6.80	7.84	330.21	.02
1374.00	1.58	291.61	1373.53	7.84	-6.51	7.84	10.19	320.27	.29

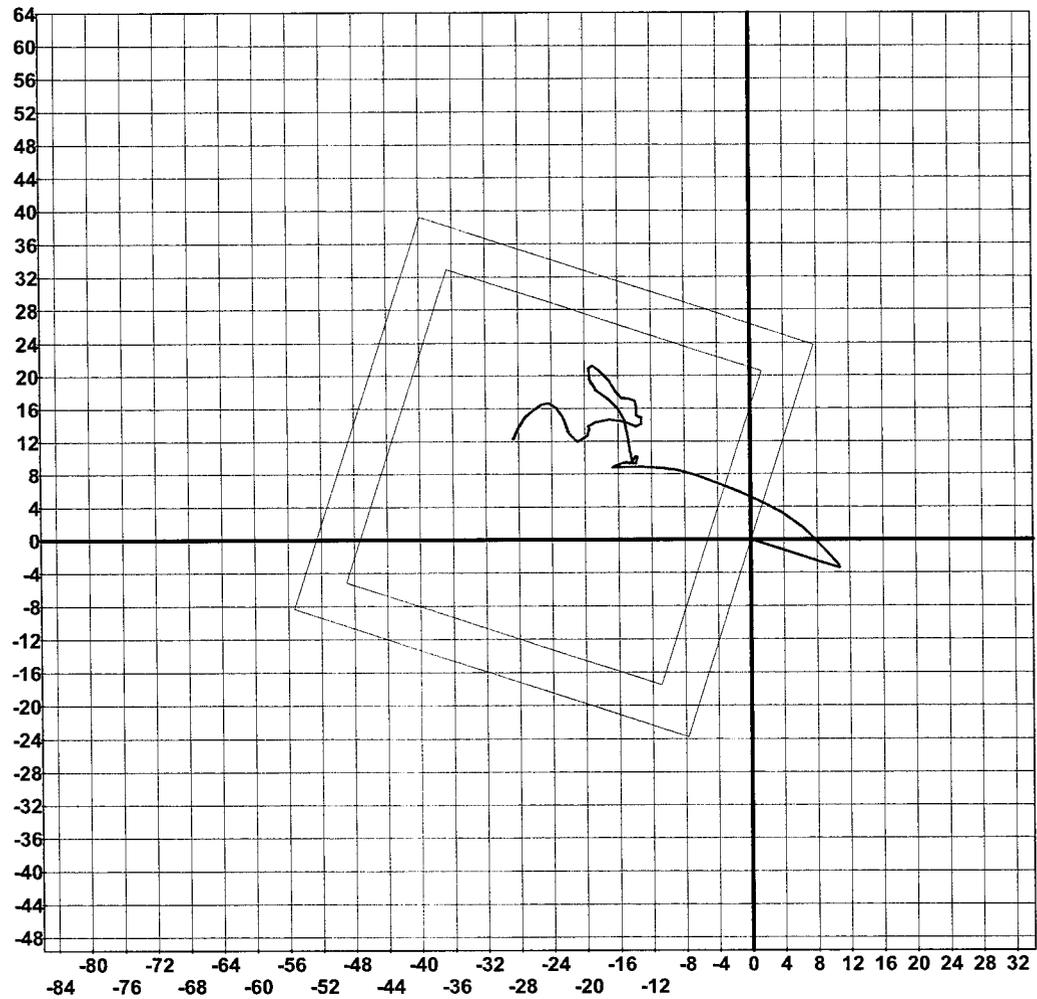
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
1467.00	1.41	279.40	1466.49	8.49	-8.83	8.49	12.25	313.88	.39
1561.00	1.14	275.71	1560.47	8.78	-10.90	8.78	14.00	308.83	.30
1656.00	1.14	269.38	1655.45	8.86	-12.79	8.86	15.56	304.71	.13
1752.00	.88	274.65	1751.44	8.91	-14.48	8.91	17.00	301.60	.29
1847.00	.97	260.50	1846.43	8.84	-16.00	8.84	18.28	298.91	.26
1942.00	.26	54.84	1941.42	8.83	-16.62	8.83	18.82	297.98	1.27
2036.00	.70	63.36	2035.42	9.21	-15.93	9.21	18.40	300.03	.47
2132.00	.53	91.13	2131.41	9.46	-14.96	9.46	17.70	302.31	.35
2227.00	.26	212.42	2226.41	9.27	-14.64	9.27	17.33	302.35	.74
2323.00	.70	37.61	2322.41	9.55	-14.40	9.55	17.28	303.56	1.00
2417.00	.26	44.46	2416.41	10.16	-13.90	10.16	17.21	306.17	.47
2513.00	.26	162.85	2512.41	10.11	-13.68	10.11	17.01	306.46	.47
2607.00	.79	200.65	2606.40	9.30	-13.84	9.30	16.68	303.88	.64
2702.00	.79	343.38	2701.40	9.31	-14.26	9.31	17.03	303.14	1.58
2797.00	1.06	350.59	2796.39	10.81	-14.59	10.81	18.16	306.52	.31
2892.00	1.23	353.22	2891.37	12.68	-14.86	12.68	19.54	310.49	.19
2987.00	1.14	341.45	2986.35	14.59	-15.28	14.59	21.13	313.68	.27
3081.00	.97	318.77	3080.33	16.08	-16.10	16.08	22.75	314.96	.48
3175.00	.97	308.40	3174.32	17.17	-17.25	17.17	24.34	314.87	.19
3271.00	1.06	304.36	3270.30	18.18	-18.62	18.18	26.02	314.31	.12
3364.00	.97	356.39	3363.29	19.45	-19.38	19.45	27.45	315.10	.96
3457.00	.79	353.22	3456.28	20.87	-19.50	20.87	28.56	316.94	.20
3553.00	.70	124.45	3552.28	21.20	-19.10	21.20	28.53	317.98	1.41
3648.00	.88	128.05	3647.27	20.42	-18.05	20.42	27.25	318.53	.20
3743.00	.88	143.87	3742.25	19.38	-17.04	19.38	25.81	318.67	.25
3838.00	.97	156.79	3837.24	18.05	-16.29	18.05	24.32	317.93	.24
3931.00	.53	98.43	3930.24	17.26	-15.56	17.26	23.24	317.97	.89
4026.00	.62	92.80	4025.23	17.17	-14.61	17.17	22.55	319.61	.11
4120.00	.35	145.89	4119.23	16.91	-13.94	16.91	21.92	320.50	.53
4216.00	.79	180.61	4215.22	16.01	-13.78	16.01	21.12	319.27	.56
4308.00	.26	177.44	4307.22	15.16	-13.78	15.16	20.49	317.74	.58
4404.00	.26	69.78	4403.22	15.02	-13.57	15.02	20.24	317.91	.44
4500.00	.26	143.08	4499.22	14.92	-13.23	14.92	19.94	318.44	.32
4593.00	.79	189.22	4592.21	14.12	-13.21	14.12	19.34	316.92	.69

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
							Distance FT	Direction Deg	
4689.00	.70	300.93	4688.21	13.77	-13.82	13.77	19.51	314.90	1.29
4785.00	1.14	288.45	4784.20	14.37	-15.23	14.37	20.94	313.35	.50
4878.00	1.14	267.97	4877.18	14.63	-17.03	14.63	22.45	310.68	.44
4973.00	.97	248.11	4972.16	14.30	-18.72	14.30	23.56	307.38	.42
5066.00	.26	209.61	5065.16	13.82	-19.55	13.82	23.95	305.26	.84
5160.00	.35	133.32	5159.16	13.44	-19.45	13.44	23.64	304.65	.41
5255.00	.88	218.58	5254.15	12.67	-19.69	12.67	23.42	302.76	.97
5349.00	.97	257.34	5348.14	11.93	-20.92	11.93	24.08	299.70	.66
5443.00	1.49	349.27	5442.13	12.96	-21.92	12.96	25.47	300.59	1.92
5538.00	1.06	327.91	5537.10	14.92	-22.62	14.92	27.10	303.40	.67
5633.00	.70	318.95	5632.09	16.10	-23.47	16.10	28.46	304.45	.40
5726.00	.62	284.58	5725.09	16.65	-24.33	16.65	29.48	304.39	.43
5821.00	.53	232.46	5820.08	16.52	-25.17	16.52	30.11	303.27	.54
5915.00	.79	238.35	5914.07	15.91	-26.07	15.91	30.54	301.40	.29
6010.00	.97	223.50	6009.06	14.98	-27.18	14.98	31.04	298.87	.30
6103.00	1.23	203.37	6102.05	13.50	-28.12	13.50	31.19	295.64	.50
<b>PROJECTION TO BIT</b>									
6166.00	1.23	203.37	6165.03	12.26	-28.66	12.26	31.17	293.16	.00

Job Number: 42DEF1006581  
 Company: PETROGLYPH  
 Lease/Well: UTE TRIBAL/ 21-08  
 Location: UTE TRIBAL  
 Rig Name: AZTEC 184  
 State/Country: UT/ USA

File name: D:\WINSERVE\21-08.SVY

200  
 425  
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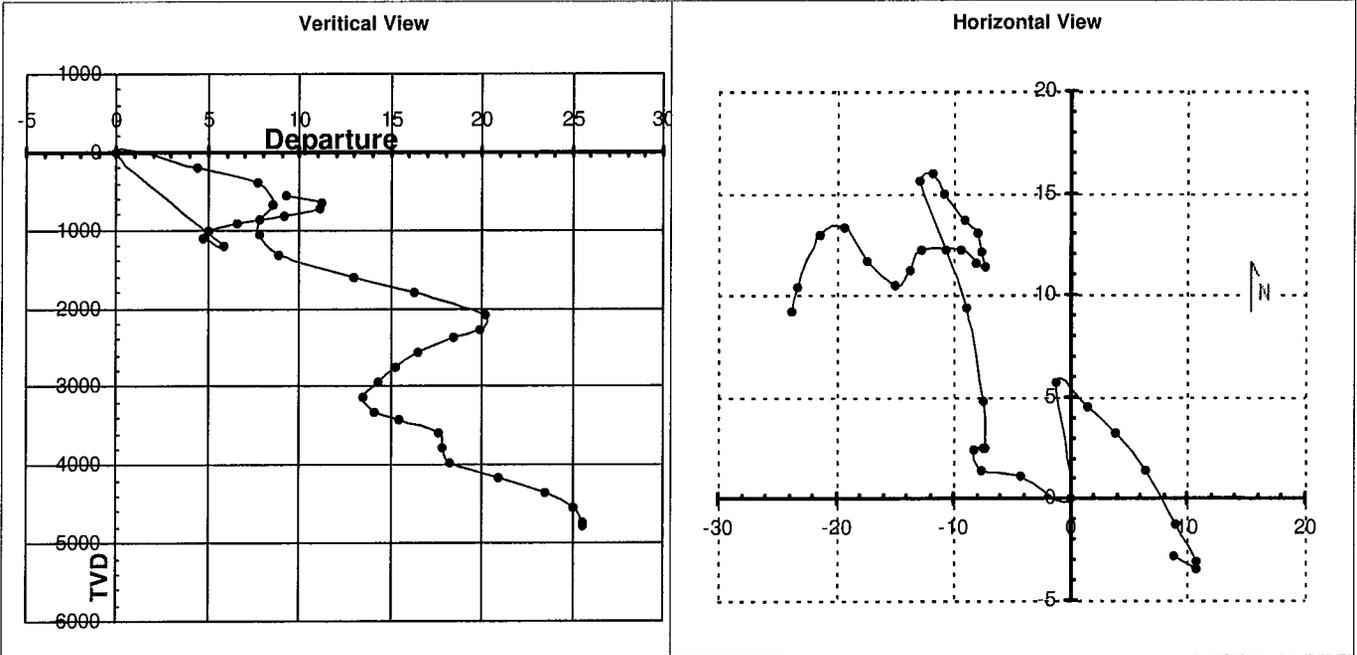
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 -115700-250200 650 1100 550002450290033503800425047005150560060506500695074007850830087509200965010100105501100011450119001235012800132501370014150

**Petroglyph Energy, Inc.**

960 Broadway Ave., Ste. 500  
BOISE, ID 83706  
(208) 685-7600

**Drilling Survey  
Report**

Well Name: UTE TRIBAL 21-08					
Field Name:	ANTELOPE CREEK	S/T/R:	21/5S/3W	County, State:	DUCHESNE, UT
Operator:	PETROGLYPH	Location Desc:	20.7 miles SW of Myton, UT	District:	UTAH



Sur No	Date	Tie In	Meas Dep	Inclination	Azimuth	Desired Az	TVD	Vert Sect	N/S(+/-)	E/W(+/-)	DLS
1	6/6/2010	<input type="checkbox"/>	547	1.93	107.80	0.00	546.92	-2.82	-2.82	8.77	0.35
2	6/6/2010	<input type="checkbox"/>	639	0.62	106.40	0.00	638.90	-3.43	-3.43	10.72	1.42
3	6/6/2010	<input type="checkbox"/>	730	0.88	310.40	0.00	729.89	-3.12	-3.12	10.66	1.61
4	6/6/2010	<input type="checkbox"/>	822	2.20	320.90	0.00	821.86	-1.29	-1.29	9.01	1.46
5	6/6/2010	<input type="checkbox"/>	914	2.46	311.70	0.00	913.78	1.40	1.40	6.42	0.49
6	6/6/2010	<input type="checkbox"/>	1006	1.58	297.00	0.00	1005.73	3.29	3.29	3.82	1.10
7	6/6/2010	<input type="checkbox"/>	1097	1.76	297.60	0.00	1096.69	4.50	4.50	1.46	0.20
8	6/6/2010	<input type="checkbox"/>	1190	1.85	292.00	0.00	1189.64	5.73	5.73	-1.19	0.21
9	6/7/2010	<input checked="" type="checkbox"/>	1374	1.58	291.60	0.00	0.00	0.00	0.00	0.00	0.00
10	6/7/2010	<input type="checkbox"/>	1561	1.14	275.70	0.00	186.95	1.13	1.13	-4.25	0.31
11	6/7/2010	<input type="checkbox"/>	1752	0.88	274.70	0.00	377.92	1.44	1.44	-7.60	0.14
12	6/7/2010	<input type="checkbox"/>	2036	0.70	63.40	0.00	661.89	2.40	2.40	-8.22	0.54
13	6/7/2010	<input type="checkbox"/>	2227	0.26	212.40	0.00	852.88	2.55	2.55	-7.41	0.49
14	6/7/2010	<input type="checkbox"/>	2417	0.26	44.50	0.00	1042.88	2.50	2.50	-7.34	0.27
15	6/7/2010	<input type="checkbox"/>	2702	0.79	343.40	0.00	1327.87	4.84	4.84	-7.45	0.25
16	6/7/2010	<input type="checkbox"/>	2987	1.14	341.50	0.00	1612.83	9.41	9.41	-8.91	0.12
17	6/7/2010	<input type="checkbox"/>	3175	0.97	308.40	0.00	1800.80	12.18	12.18	-10.75	0.33
18	6/7/2010	<input type="checkbox"/>	3457	0.79	353.30	0.00	2082.76	15.59	15.59	-12.85	0.25
19	6/8/2010	<input type="checkbox"/>	3648	0.88	128.10	0.00	2273.74	15.99	15.99	-11.85	0.81
20	6/8/2010	<input type="checkbox"/>	3743	0.88	143.90	0.00	2368.73	14.95	14.95	-10.84	0.25
21	6/8/2010	<input type="checkbox"/>	3931	0.53	98.40	0.00	2556.72	13.66	13.66	-9.13	0.34
22	6/8/2010	<input type="checkbox"/>	4120	0.35	145.90	0.00	2745.71	13.05	13.05	-7.94	0.21
23	6/8/2010	<input type="checkbox"/>	4308	0.26	177.40	0.00	2933.71	12.15	12.15	-7.60	0.10
24	6/8/2010	<input type="checkbox"/>	4500	0.26	143.10	0.00	3125.71	11.37	11.37	-7.32	0.08

**Petroglyph Energy, Inc.**

960 Broadway Ave., Ste. 500  
BOISE, ID 83706  
(208) 685-7600

**Drilling Survey**  
**Report**

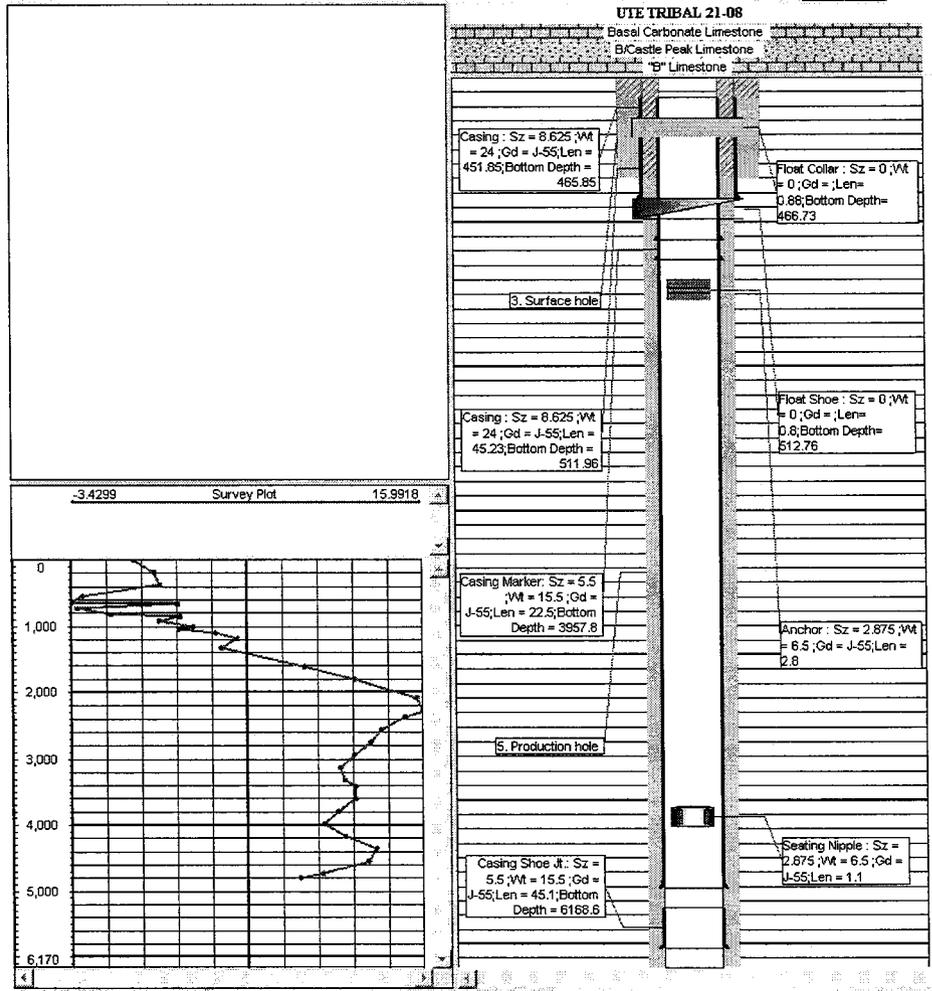
25	6/8/2010	<input type="checkbox"/>	4689	0.70	300.90	0.00	3314.70	11.62	<del>11.62</del>	-8.05	0.50
26	6/8/2010	<input type="checkbox"/>	4785	1.14	288.50	0.00	3410.69	12.22	12.22	-9.46	0.50
27	6/9/2010	<input type="checkbox"/>	4973	0.97	248.10	0.00	<del>3598.66</del>	12.22	12.22	-12.71	0.40
28	6/9/2010	<input type="checkbox"/>	5160	0.35	133.30	0.00	3785.65	11.24	11.24	-13.77	0.62
29	6/9/2010	<input type="checkbox"/>	5349	0.97	<del>257.30</del>	0.00	3974.63	10.49	10.49	-14.91	0.64
30	6/9/2010	<input type="checkbox"/>	5538	1.06	327.90	0.00	4163.60	11.62	11.62	-17.40	0.62
31	6/9/2010	<input type="checkbox"/>	5726	0.62	284.60	0.00	4351.58	13.35	13.35	-19.30	0.39
32	6/9/2010	<input type="checkbox"/>	5915	0.79	238.40	0.00	4540.57	12.93	12.93	-21.40	0.30
33	6/9/2010	<input type="checkbox"/>	6103	1.23	203.40	0.00	4728.54	10.40	10.40	-23.31	0.39
34	6/9/2010	<input type="checkbox"/>	6166	1.23	203.40	0.00	4791.52	9.15	9.15	-23.85	0.00

**Petroglyph Energy, Inc.**

960 Broadway Ave., Ste. 500  
 BOISE, ID 83706  
 (208) 685-7600

**Well Book Report**

UTE TRIBAL 21-08 --1080												
API Code	43013340530000		Spud Date	6/7/2010		Production Engineer	BRUCE WEST					
County	DUCHESNE, UT		Rig Release Date	6/12/2010		Reservoir Engineer	BRUCE WEST					
Location	21 / 5S / 3W		First Prod. Date			Landman	PHIL SHEPARDSON					
WI	1		Completion Date			Technician	MIKE HACKNEY					
NRI	0.7975		First Sales Date			Geologist	MIKE HACKNEY					
KB/RT Height	14		GL Elevation	6255		Drilling Engineer	DAN LOCKWOOD					
Casing – 3. Surface												
Casing Type	<b>3. Surface</b>	Total Jts Run	11	DateIn	2/22/2010		Setting Depth	512.76		Hole Diam	12.250	
Item	Description		Size	Drift ID	ID	WT	Grade	Condition	Date Inst.	#Of	Length	CumLength
Elevation	KB		0	0	0	0			2/22/2010	0	14	14
Casing			8.625	7.972	8.097	24	J-55	New	2/22/2010	10	451.85	465.85
Float Collar				7.972	8.097			New	2/22/2010	1	0.88	466.73
Casing			8.625	7.972	8.097	24	J-55	New	2/22/2010	1	45.23	511.96
Float Shoe				7.972	8.097			New	2/22/2010	1	0.8	512.76
Casing – 5. Production												
Casing Type	<b>5. Production</b>	Total Jts Run	137	DateIn	6/10/2010		Setting Depth	6170.1		Hole Diam	7.875	
Item	Description		Size	Drift ID	ID	WT	Grade	Condition	Date Inst.	#Of	Length	CumLength
Elevation	KB		0	0	0	0			6/10/2010	0	14	14
Casing			5.5	4.825	4.95	15.5	J-55	New	6/10/2010	87	3921.3	3935.3
Casing	Marker		5.5	4.825	4.95	15.5	J-55	New	6/10/2010	1	22.5	3957.8
Casing			5.5	4.825	4.95	15.5	J-55	New	6/10/2010	48	2164.7	6122.5
Float Collar				4.825				New	6/10/2010	1	1	6123.5
Casing	Shoe Jt.		5.5	4.825	4.95	15.5	J-55	New	6/10/2010	1	45.1	6168.6
Float Shoe	Shoe			4.825				New	6/10/2010	1	1.5	6170.1
Cement												
Stage	<b>1</b>	Company	Halliburton			Stage Successful	<input type="checkbox"/>					
Type	Wash	Density	0.0	meter	0.00	Volume	20.00	Barrels	0.00			
Type	Lead	Density	10.3	meter	955.00	Volume	0.00	Barrels	170.09			
Type	Tail	Density	6.9	meter	438.00	Volume	0.00	Barrels	78.01			
Type	Displacement	Density	0.0	meter	0.00	Volume	145.50	Barrels	0.00			
Log												
Log Date	Log Type		Copies	Log Company	From	To	Other Services	Remarks				
06/11/2010	Array Compensated True Resistivity		6	Halliburton	100	6163						
06/11/2010	Borehole Volume		1	Halliburton	100	6142						
06/11/2010	Spectral Density		6	Halliburton	100	6142						
06/23/2010	Cement Bond Log (GBL)		1	Casedhole Solutions	100	6102		Depth Driller: 6166' Depth Logger: 6102' Bottom Logged Interval: 6092' Top Logged Interval: 100'				



Well Name: UTE TRIBAL 21-08 WellUsedID: 1000

API code: 43013340530000 County: DUCHESNE UT

sect town range Q1 Q2 Q3 XLoc YLoc Latitude Longitude  
21 56 24 SE NE 36 38 44.1997 40.03379 110.222

1100 Feet from W Line 1500 Feet from N Line

Engineer: GARLOCKWOOD Technician: MIKE HARKNEY Pumper:

Spud date	Compl date	KB height	TD drill depth	TD log depth	TVD
6/7/2010	6/28/2010	14	6169	6169	5169

Date In	Casing Type	Hole Diam	Size	Wt
2/23/2010	3. Surface	12.25	8.625	
6/10/2010	5. Production	7.875	5.5	

Date In	Size	Wt	Grade	Optd OD	ID
6/28/2010	2.875	6.5	J-55	3.668	2

Formation	Ref Well	Current Well	Subsea
Mahogany Shale	2887.5	0	3378
"K" Marker	4483.5	0	1782
Douglas Creek	4623.5	0	1642
"B" Limestone	5000.5	0	1265
B/Castle Peak Limestone	5556.5	0	710

Show Warnings Adjust Labels Width

WELL PROFILE

OPERATOR PETROGRAPH  
 WELL # 4121-08  
 FIELD Antelope Cray 00  
 COUNTY Duchesne  
 STATE UTAH  
 DATE 6-29-10  
 NEW COMPLETION     WORKOVER

SIZE	Casing	Liner	Tubing
		8 5/8	5 1/2
WEIGHT	24#	15.5	6.5
GRADE	J-55	J-55	J-55
THREAD	5/8" REG	2 1/2" REG	3/4" REG
DEPTH	516	6170	5798

85/8  
24#  
516

5 1/2 15.5#  
CS4  
6170

①

②

③

④

5

6

PBTD @  
6108

RTD 6180

ITEM NO.	EQUIPMENT AND SERVICES		
	1CB	14.00	
1	1335ft 2 7/8 6.5# J-55 8nd used	4109.44	4123.94
2	5 1/2 B-2 TAC w/ US Shear NEW	2.86	4126.74
3	83 ft 2 7/8 6.5# J-55 8nd used	1639.20	5765.94
4	2 7/8 PSN (2.28 ID) NEW	1.10	6767.04
5	1- 2 7/8 6.5 J-55 8nd used	30.16	5797.20
6	2 7/8 N/C w/ F-D 9" stretch for 10K	.45	5797.65
	rod Detail:		
	1 1/2 x 26' P.O. w/ Liner		
	Pony's - NON e		
	81 7/8 Grade D slick		
	132 3/4 Grade D slick		
	17 3/4 Grade D Guided Spw Every 4th		
	2 1/2 x 1 1/2 x 12 x 15 x 17 DHAC Spray metal		
	National # PT217 Single Valve 3cup Tor		
B6	4194-4204		
BB2	4341-45		
C4	41657-70		
C6	4823-26, 34-36		
C9.1	4932-40		
C9.2	4963-61		
D3	502-77		
DS	5190-5203		
D10	5476-91		
E.2	5547-50      E 3.3      5718-22		

COMMENTS:  
 All Reifs shot @ 45psi @ 90° phased

RECEIVED  
 JUL 08 2010  
 DIV. OF OIL, GAS & MINING

PREPARED BY SK. Baul    OFFICE    PHONE



**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>14-20-H62-3516</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: <b>Ute Indian Tribe</b>
1. TYPE OF WELL <b>OIL WELL</b> <input checked="" type="checkbox"/> <b>GAS WELL</b> <input type="checkbox"/> <b>OTHER</b> _____		7. UNIT or CA AGREEMENT NAME: <b>Ute Tribal 14-20-H62-4650</b>
2. NAME OF OPERATOR: <b>PETROGLYPH OPERATING COMPANY INC.</b>		8. WELL NAME and NUMBER: <b>Ute Tribal 21-08</b>
3. ADDRESS OF OPERATOR: <b>P.O. BOX 607</b> CITY <b>ROOSEVELT</b> STATE <b>UT</b> ZIP <b>84066</b>		9. API NUMBER: <b>4301334053</b>
		10. FIELD AND POOL, OR WILDCAT: <b>Antelope Creek</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>1980' FNL, 4071' FWL</b>		COUNTY: <b>DUCHESNE</b>
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>LOT 2 21 5S 3W U</b>		STATE: <b>UTAH</b>

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

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

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

**WE SPUD ON 2/18/2010 AT 1:00 P.M.**

NAME (PLEASE PRINT) <u><b>LES FARNSWORTH</b></u>	TITLE <u><b>DISTRICT MANAGER</b></u>
SIGNATURE	DATE <u><b>8/30/2011</b></u>

(This space for State use only)

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SEP 03 2011

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