



QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River.	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaita Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
<i>B MKR</i>	Dakota	Park City	McCracken
<i>X MKR</i>	Burro Canyon	Rico (Goodridge)	Aneth
<i>X MKR</i>	Cedar Mountain	Supai	Simonson Dolomite
<i>Douglas CR</i>	Buckhorn	Wolfcamp	Sevy Dolomite
<i>B Limestone 5003</i>	JURASSIC	CARBON I FEROUS	North Point
<i>Wasatch Castle Pk 5540</i>	Morrison	Pennsylvanian	SILURIAN
<i>Stone Cabin Basal Carb 5981</i>	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafael Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate		
Blackhawk	TRIASSIC	Cane Creek	

**Petroglyph Operating Co., Inc.**  
**P.O. Box 1839**  
**Hutchinson, KS 67504-1839**

June 2, 1997

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

RE: APPLICATION FOR PERMIT TO DRILL  
UTE TRIBAL #30-16  
SE/SE SEC. 30, T5S, R3W  
DUCHESNE COUNTY, UTAH  
LEASE NO. BIA 14-20-H62-3519  
UTE TRIBAL LANDS

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

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

Ed Trotter  
P.O. Box 1910  
Vernal, UT 84078  
Phone # (801) 789-4120  
Fax # (801) 789-1420

Sincerely,

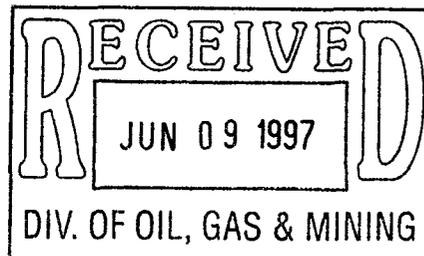


Ed Trotter  
Agent

**Petroglyph Operating Co., Inc.**

Attachments

/EHT/dmt



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
 DRILL  DEEPEN

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS AND TELEPHONE NO.  
 P.O. BOX 607, ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface <sup>64</sup> 518' FSL & <sup>181</sup> 593' FEL SE/SE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 21.6 MILES SOUTHWEST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 518'

16. NO. OF ACRES IN LEASE  
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 .80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 6089.1'

19. PROPOSED DEPTH  
 6089.1'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6704.1' GRADED GROUND

22. APPROX. DATE WORK WILL START\*  
 JUNE 1997

5. LEASE DESIGNATION AND SERIAL NO.  
 14-20-H62-3519

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.  
 UTE TRIBAL

9. API WELL NO.  
 #30-16

10. FIELD AND POOL, OR WILDCAT  
 ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 30, T5S, R3W

12. COUNTY OR PARISH  
 DUCHESNE

13. STATE  
 UTAH

CONFIDENTIAL

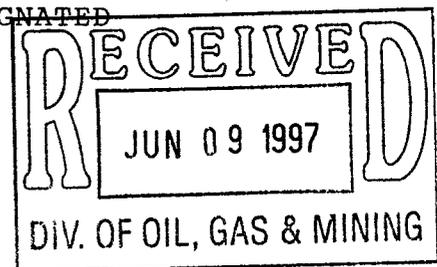
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl <sub>2</sub> + 1/4 #/sx celloflake. 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONE OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).
7 7/8	5 1/2	15.5#	6089.1'	

CONFIDENTIAL

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #4556.

pc: Utah Division of Oil, Gas, and Mining  
 Bureau of Indian Affairs, Fort Duchesne, Utah  
 Ute Tribe, Fort Duchesne, Utah



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE AGENT FOR PETROGLYPH DATE 6-5-97

(This space for Federal or State office use)

PERMIT NO. 43-013-31897 APPROVAL DATE \_\_\_\_\_

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:

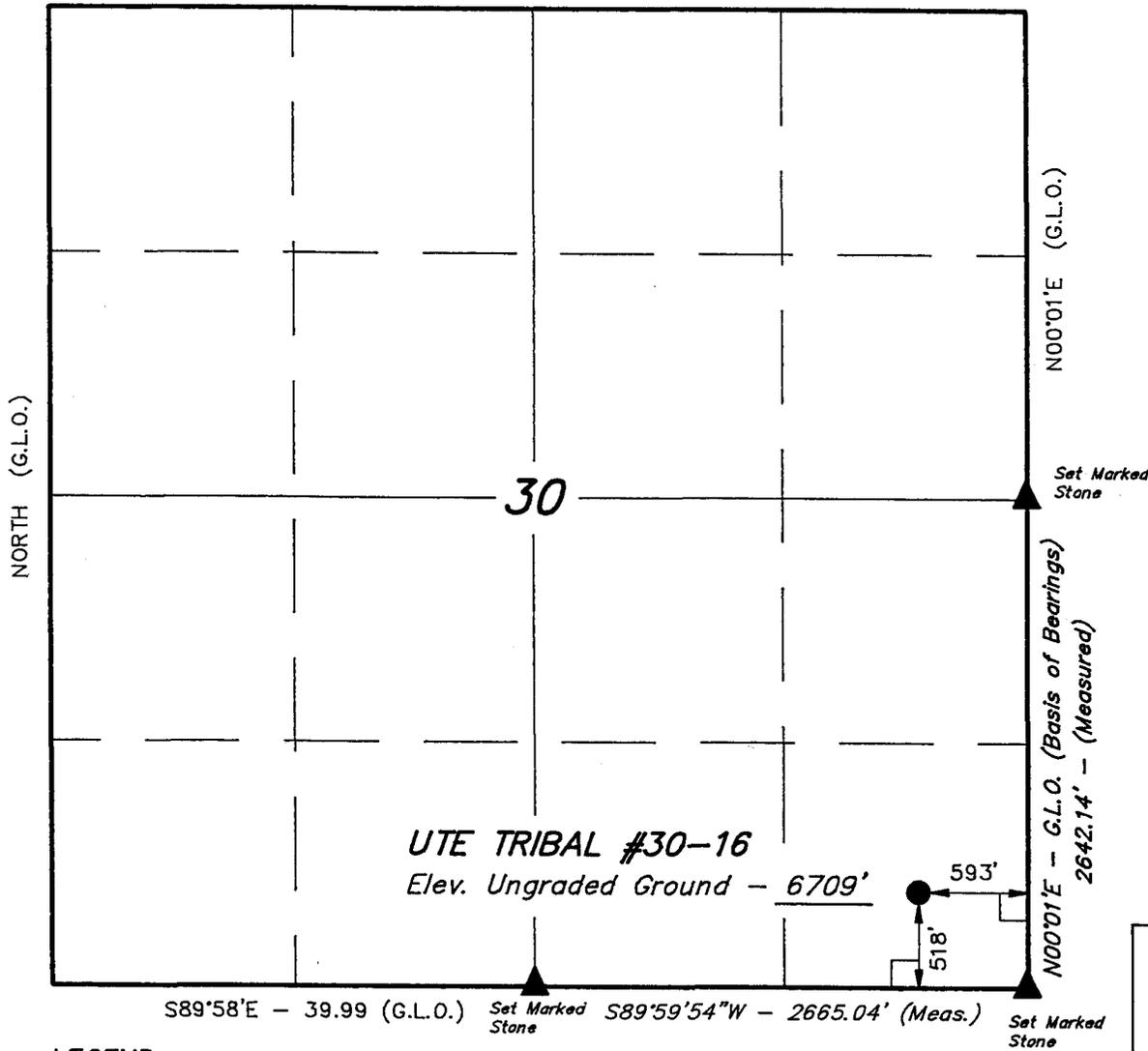
APPROVED BY [Signature] TITLE Petroleum Engineer DATE 6/30/97  
 \*See Instructions On Reverse Side

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

## PETROGLYPH OPERATING CO., INC.

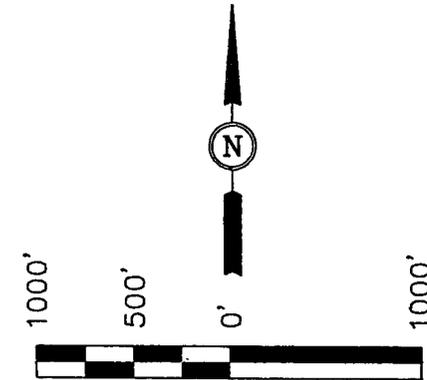
Well Location, UTE TRIBAL #30-16, located as shown in SE 1/4 SE 1/4 of Section 30, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

N89°58'E - 80.04 (G.L.O.)



### BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHEAST CORNER OF SECTION 30, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE, 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 6680 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. KAY  
 REGISTERED LAND SURVEYOR  
 REGISTRATION NO. 0510  
 STATE OF UTAH

### LEGEND:

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

### UNTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 4-14-97	DATE DRAWN: 4-30-97
PARTY D.K. H.L. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

UTE TRIBAL #  
SEC. , T5S R3W  
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2912.1	3802
"X" Marker	4483.1	2231
Douglas Creek	4599.1	2115
"B" Limestone	4969.1	1745
B/Castle Peak Limestone	5539.1	1175
Basal Carbonate Limestone	5979.1	735
Total Depth	6089.1	626

Anticipated BHP                      2000 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	4599.1	2115
Oil/Gas	B/Castle Peak	5539.1	1175
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	0-6089.1'	6089.1'	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 #30-16  
SE/SE, SEC. 30, 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 #30-16  
SE/SE, SEC. 30, 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.

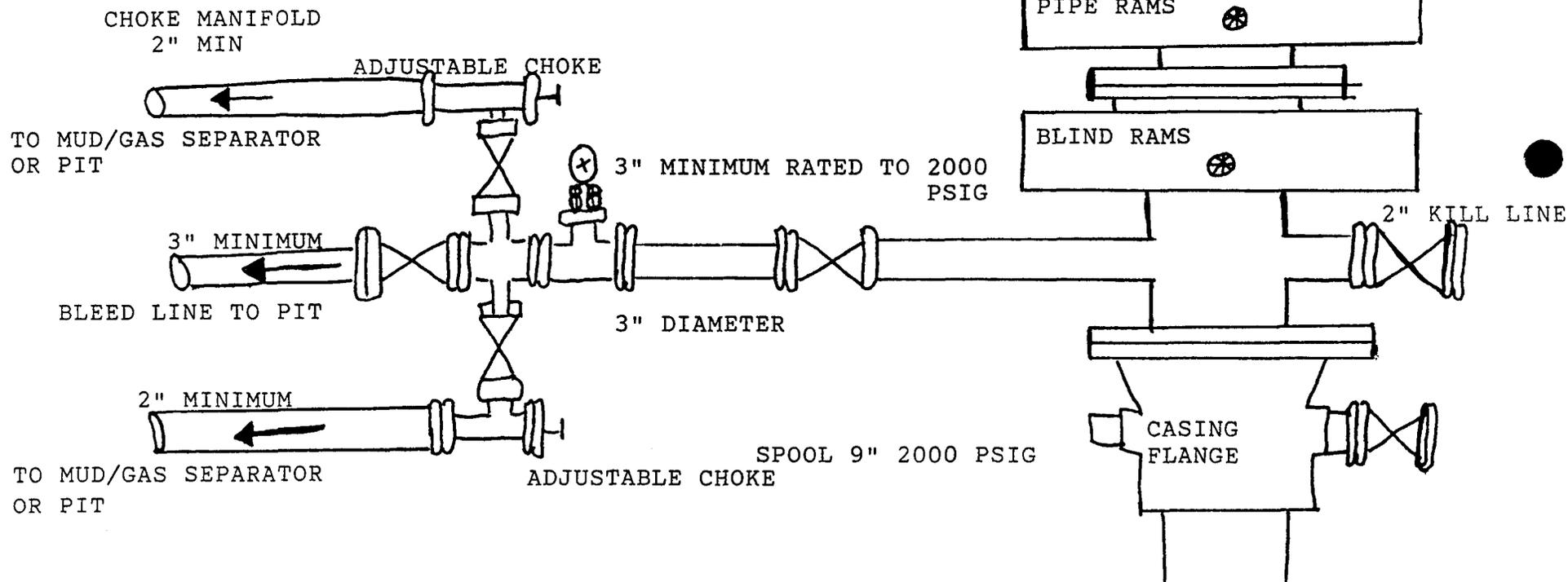
(Attachment: BOP Schematic Diagram)

## 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 #30-16  
Lease Number: BIA 14-20-H62-3519  
Location: 518' FSL & 593' FEL SE/SE, Sec. 30, 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 21.6 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 0.4 miles 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 cattleguards, 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 - 12\*
- 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 - None
- 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 above ground production pipeline will be laid approximately 1610' from proposed location to a point in the SW/SE of Section 30, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
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 West 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 East side of the location.  
The flare pit will be located downwind of the prevailing wind direction on the East 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 Southeast corner.

Access to the well pad will be from the South.

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 Corners No. 6 & 8 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 strutting ground.

N/A No construction or exploration activities are permitted within 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 \_\_\_\_\_ ft. \_\_\_\_\_ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Vince Guinn

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 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 which 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 sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

6-5-97

Date

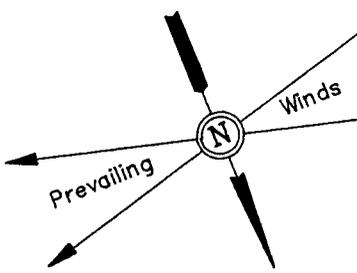
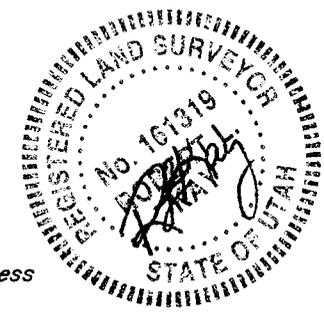


A handwritten signature in black ink, appearing to read "Edith", is written above a horizontal line.

**PETROGLYPH OPERATING CO., INC.**

**LOCATION LAYOUT FOR**

UTE TRIBAL #30-16  
SECTION 30, T5S, R3W, U.S.B.&M.  
518' FSL 593' FEL



Proposed Access Road

SCALE: 1" = 50'  
DATE: 4-30-97  
Drawn By: C.B.T.

**NOTE:**

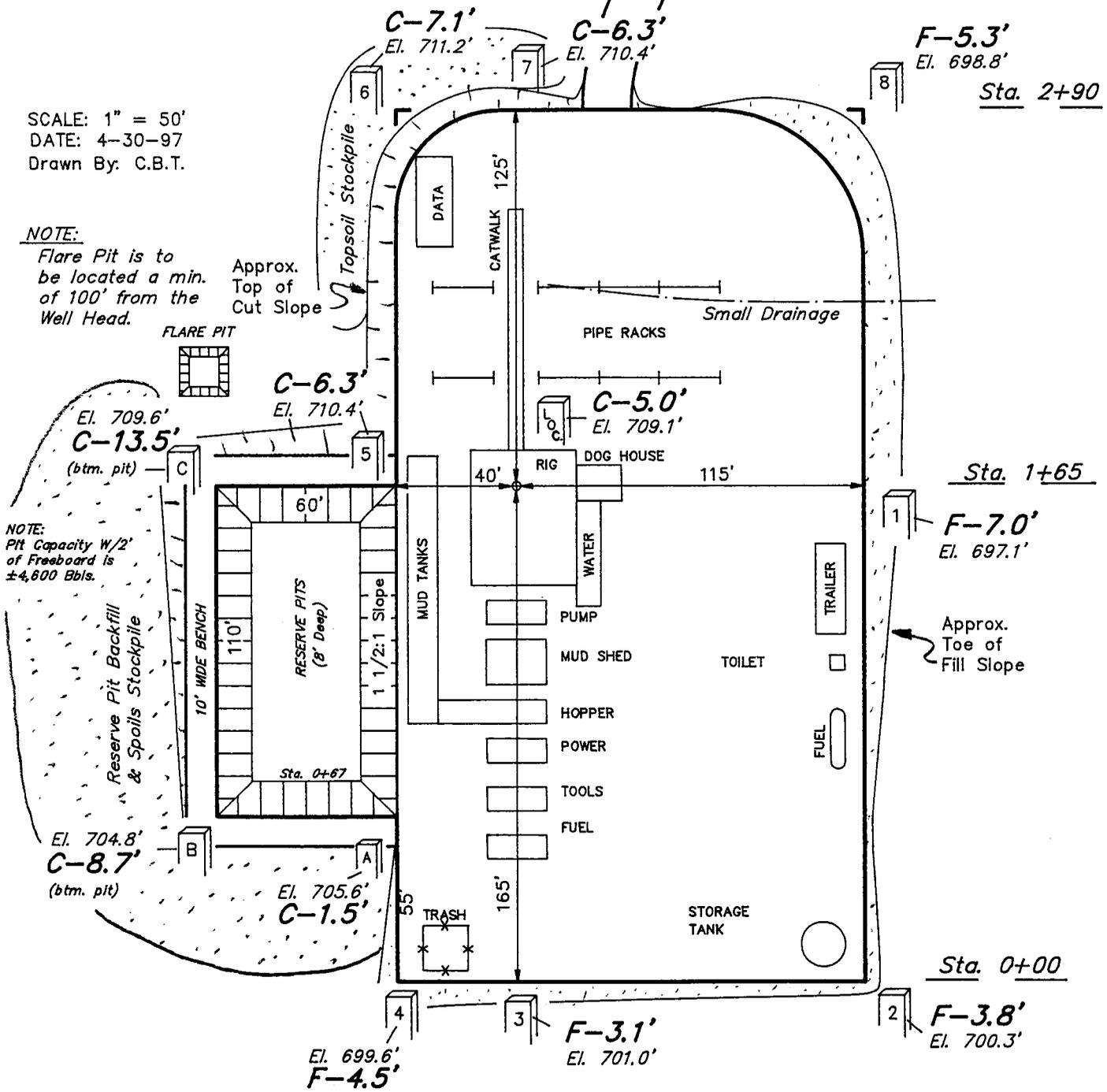
Flare Pit is to be located a min. of 100' from the Well Head.

Approx. Top of Cut Slope

FLARE PIT

**NOTE:**  
PIT Capacity w/2' of Freeboard is ±4,600 Bbls.

Reserve Pit Backfill & Spoils Stockpile



Elev. Ungraded Ground at Location Stake = 6709.1'

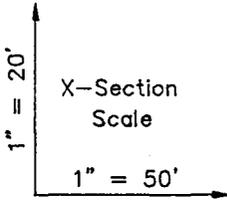
Elev. Graded Ground at Location Stake = 6704.1'

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

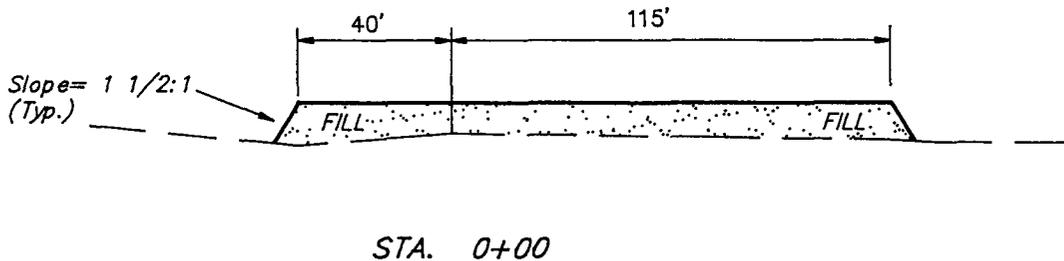
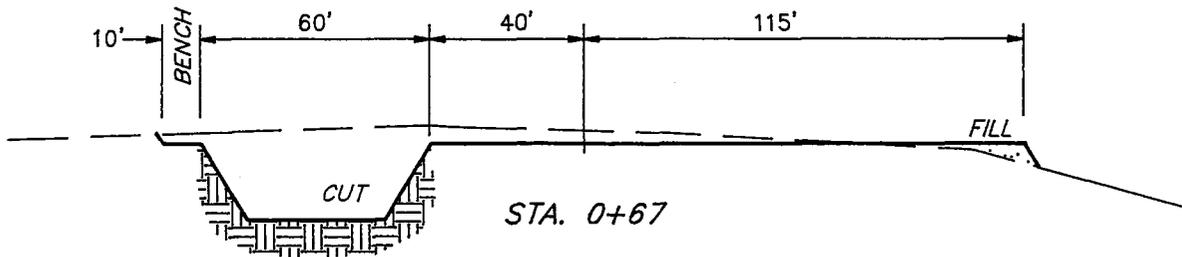
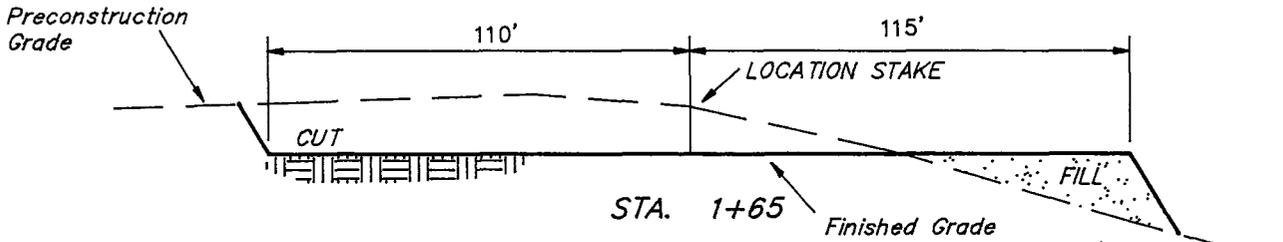
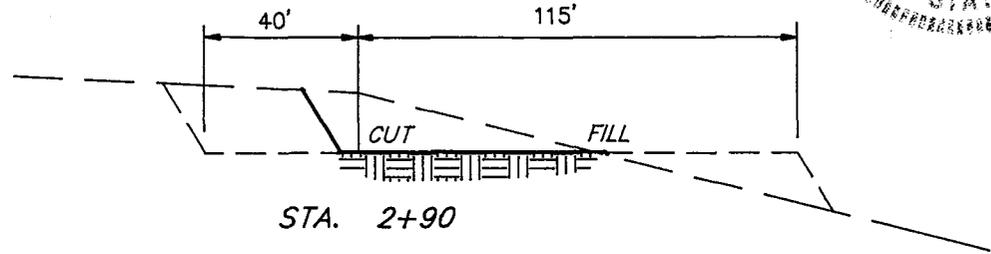
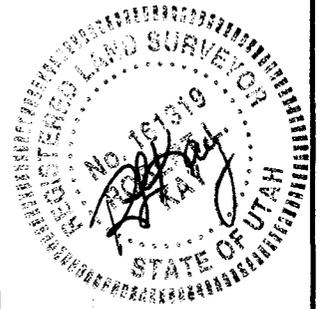
PETROGLYPH OPERATING CO., INC.

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #30-16  
SECTION 30, T5S, R3W, U.S.B.&M.  
518' FSL 593' FEL



DATE: 4-30-97  
Drawn By: C.B.T.

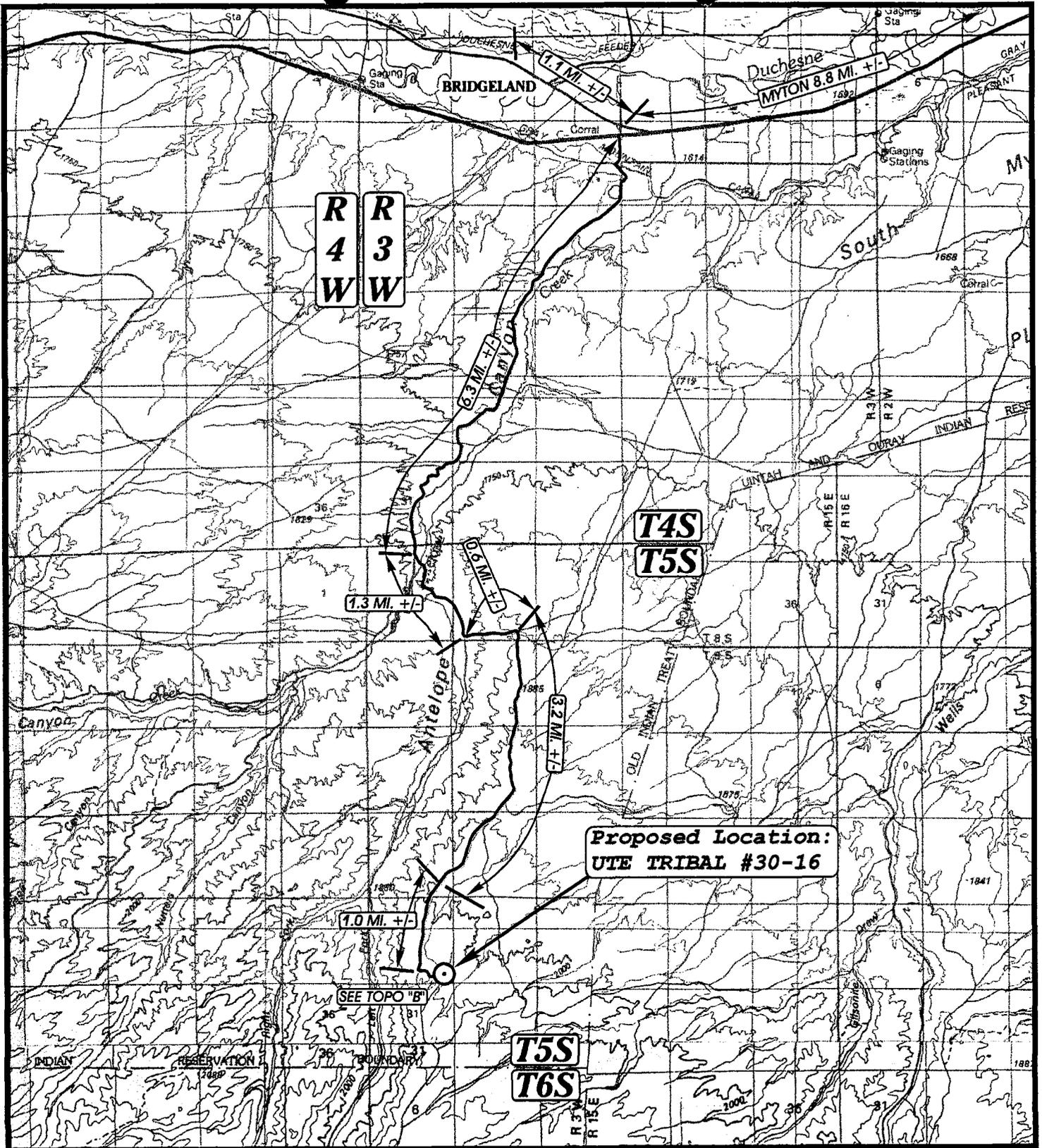


APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 1,910 Cu. Yds.
Remaining Location	= 4,160 Cu. Yds.
<b>TOTAL CUT</b>	<b>= 6,070 CU.YDS.</b>
<b>FILL</b>	<b>= 3,290 CU.YDS.</b>

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,610 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,610 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 0 Cu. Yds.

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



**UELS**

**TOPOGRAPHIC  
MAP "A"**

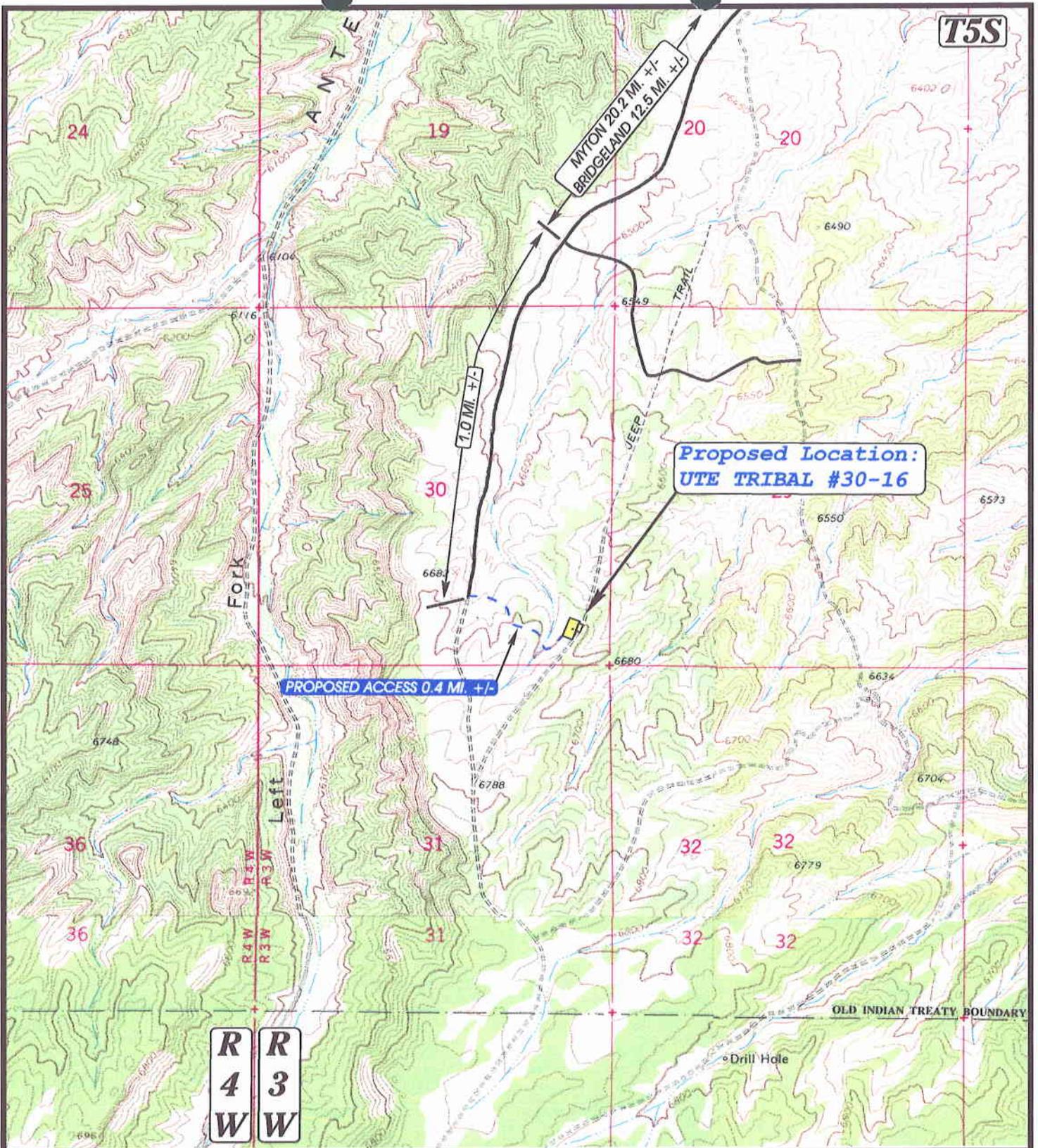
DATE: 4-22-97  
Drawn by: D.COX



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #30-16  
SECTION 30, T5S, R3W, U.S.B.&M.  
518' FSL 593' FEL**

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



T5S

Proposed Location:  
UTE TRIBAL #30-16

PROPOSED ACCESS 0.4 MI. +/-

MYTON 20.2 MI. +/-  
BRIDGELAND 12.5 MI. +/-

1.0 MI. +/-

R  
4  
W

R  
3  
W

TOPOGRAPHIC  
MAP "B"

DATE: 4-21-97  
Drawn by: D.COX



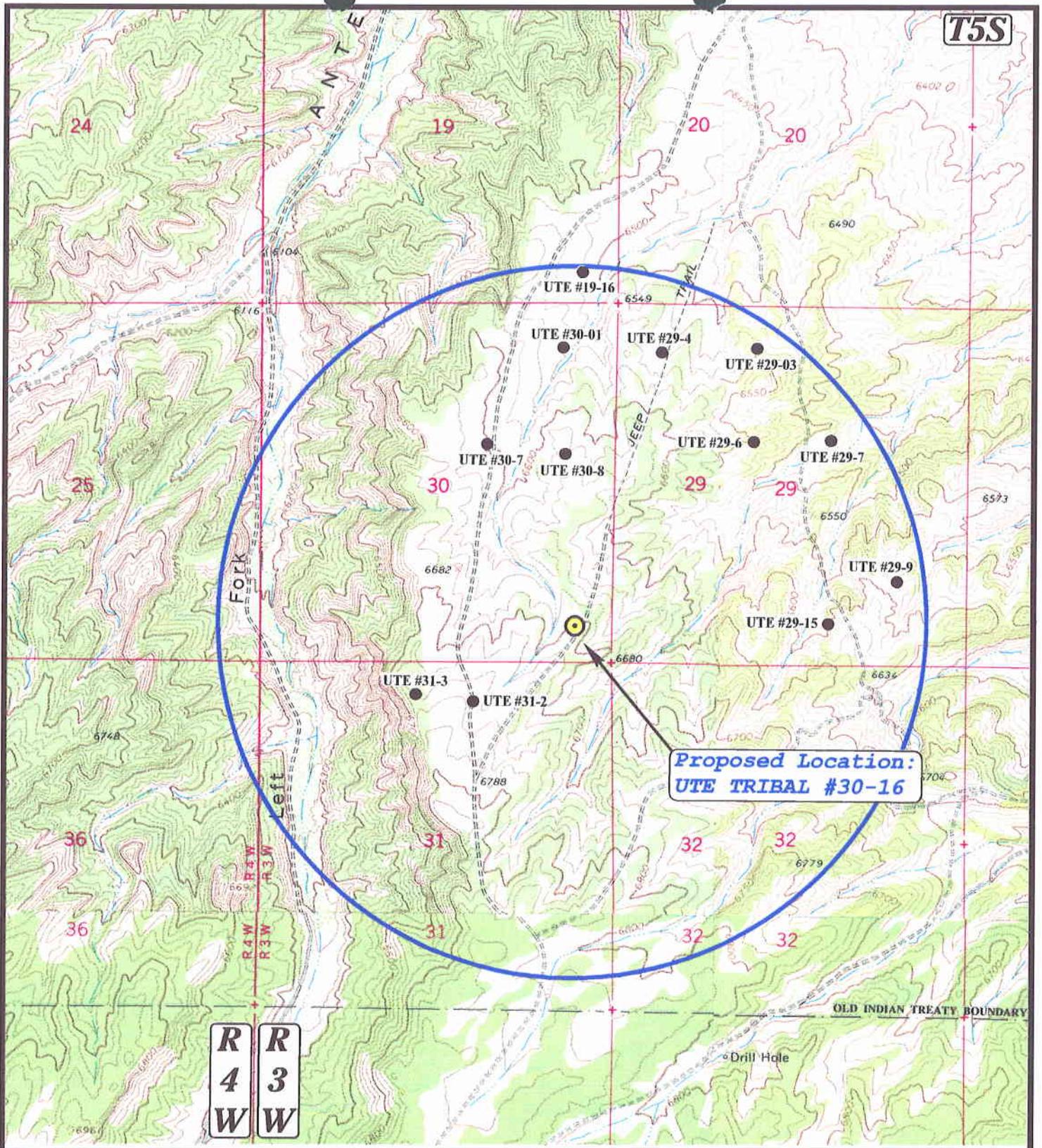
PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #30-16  
SECTION 30, T5S, R3W, U.S.B.&M.  
518' FSL 593' FEL

SCALE: 1" = 2000'

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

UELS



T5S

R 4 W R 3 W

Proposed Location:  
UTE TRIBAL #30-16

**LEGEND:**

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

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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

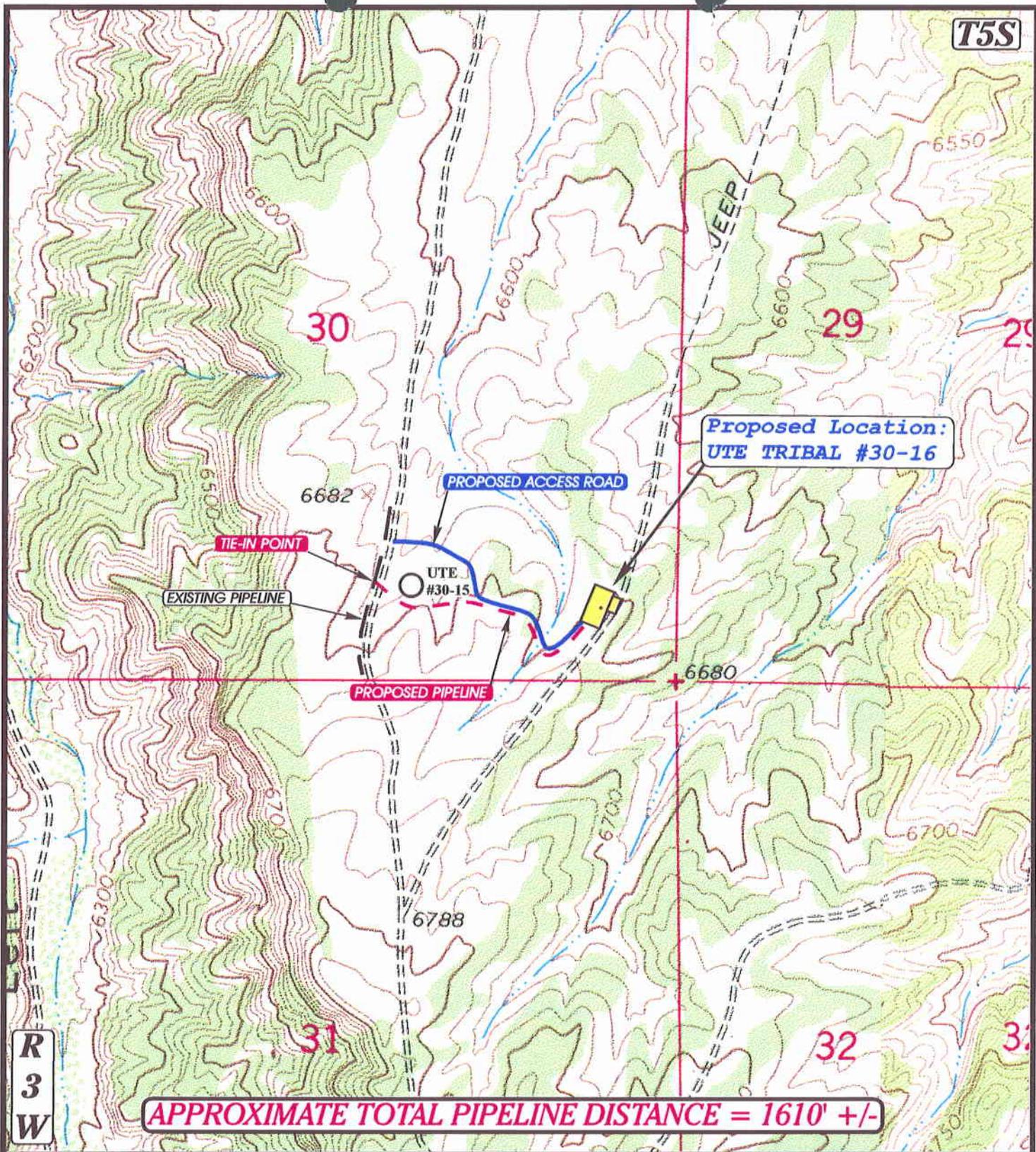


SCALE: 1" = 2000'

**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #30-16  
SECTION 30, T5S, R3W, U.S.B.&M.**

DATE: 4-21-97  
Drawn by: D.COX



U  
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S

**TOPOGRAPHIC  
MAP "D"**

- Existing Pipeline
- - - Proposed Pipeline



**PETROGLYPH OPERATING CO., INC.**

**UTE TRIBAL #30-16  
SECTION 30, T5S, R3W, U.S.B.&M.**

**DATE: 4-22-97  
Drawn by: D.COX**

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

**SCALE: 1" = 1000'**

WORKSHEET  
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/09/97

API NO. ASSIGNED: 43-013-31897

WELL NAME: UTE TRIBAL 30-16  
 OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:  
 SESE 30 - T05S - R03W  
 SURFACE: 0518-FSL-0593-FEL  
 BOTTOM: 0518-FSL-0593-FEL  
 DUCHESNE COUNTY  
 ANTELOPE CREEK FIELD (060)

INSPECT LOCATION BY: / /		
TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: IND  
 LEASE NUMBER: 14-20-H62-3519

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Federal [ State [] Fee []  
 (Number 4556)
- Potash (Y/N)
- Oil shale (Y/N)
- Water permit  
 (Number 43-10152)
- RDCC Review (Y/N)  
 (Date: \_\_\_\_\_)

LOCATION AND SITING:

- R649-2-3. Unit: \_\_\_\_\_
- R649-3-2. General.
- R649-3-3. Exception.
- Drilling Unit.  
 Board Cause no: \_\_\_\_\_  
 Date: \_\_\_\_\_

COMMENTS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

STIPULATIONS: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

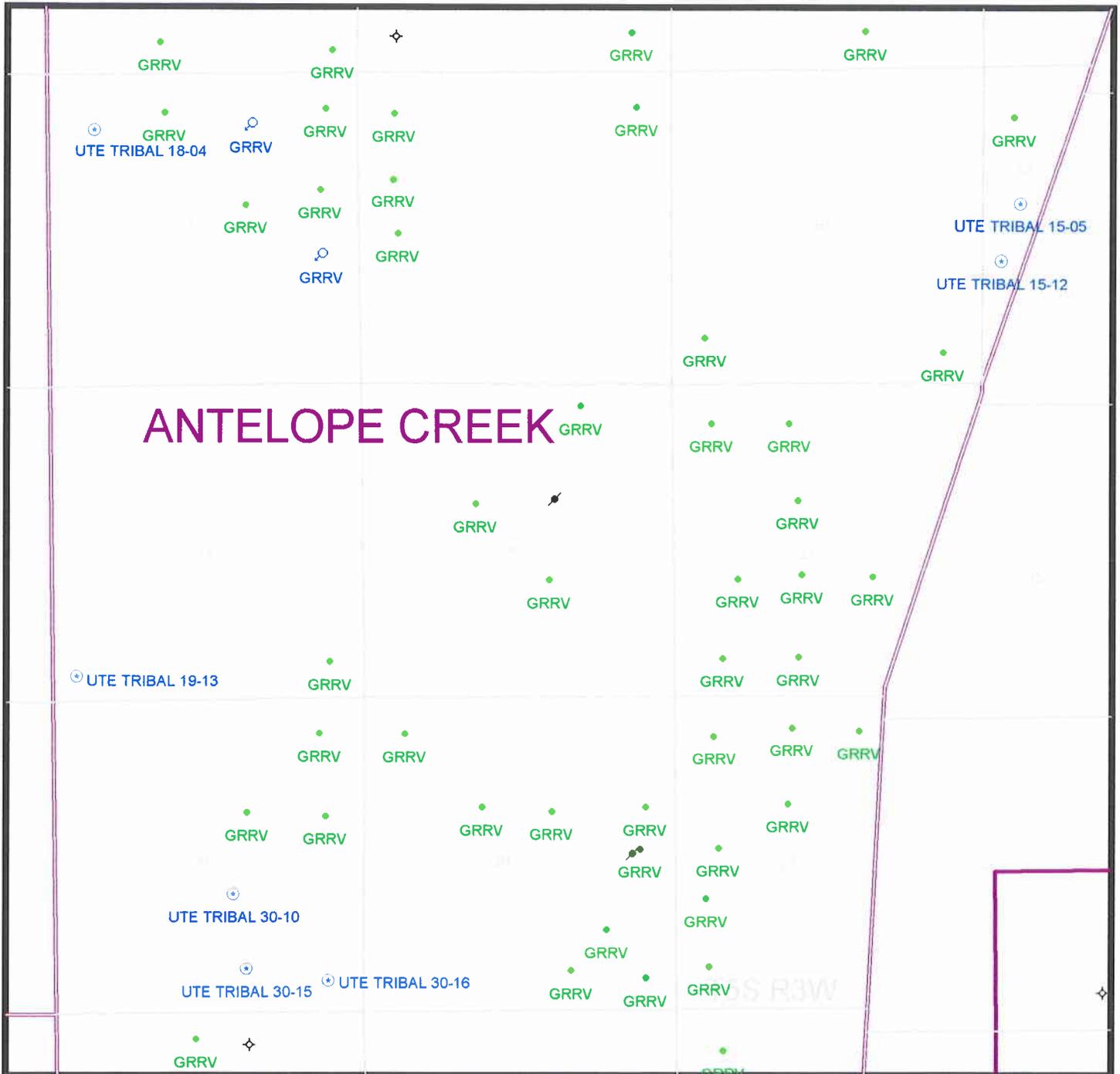
\_\_\_\_\_

OPERATOR: PERTOGLYPH (N3800)

FIELD: ANTELOPE CREEK (060)

SEC, TWP, RNG: 15,18,19, & 30, T5S, R3W

COUNTY: DUCHESNE UAC: R649-3-2 & R649-3-3



PREPARED:  
DATE: 10-JUNE-97



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

Michael O. Leavitt  
Governor  
Ted Stewart  
Executive Director  
James W. Carter  
Division Director

1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801  
801-538-5340  
801-359-3940 (Fax)  
801-538-7223 (TDD)

June 30, 1997

Petroglyph Operating Company, Inc.  
P.O. Box 607  
Roosevelt, Utah 84066

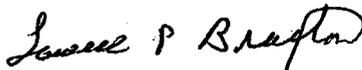
Re: Ute Tribal 30-16 Well, 518' FSL, 593' FEL, SE SE, Sec. 30,  
T. 5 S., R. 3 W., Duchesne County, Utah

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 43-013-31897.

Sincerely,

  
Lowell P. Braxton  
Deputy Director

lwp

Enclosures

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

Operator: Petroglyph Operating Company, Inc.  
Well Name & Number: Ute Tribal 30-16  
API Number: 43-013-31897  
Lease: 14-20-H62-3519  
Location: SE SE Sec. 30 T. 5 S. R. 3 W.

### 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 following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact John R. Baza (801)538-5334 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall 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.

DOGMAH

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK  
 DRILL  DEEPEN

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS AND TELEPHONE NO.  
 P.O. BOX 607, ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
 At surface 518' FSL & 593' FEL SE/SE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 21.6 MILES SOUTHWEST OF MYTON, UTAH

16. NO. OF ACRES IN LEASE  
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 80

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 6089.1'

19. PROPOSED DEPTH  
 6089.1'

20. ROTARY OR CABLE TOOLS  
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6704.1' GRADED GROUND

22. APPROX. DATE WORK WILL START\*  
 JUNE 1997

5. LEASE DESIGNATION AND SERIAL NO.  
 14-20-H62-3519

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

7. UNIT AGREEMENT NAME

8. FARMOR LEASE NAME, WELL NO.  
 UTE TRIBAL

9. API WELL NO.  
 #30-16

10. FIELD AND POOL, OR WILDCAT  
 ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SEC. 30, T5S, R3W

12. COUNTY OR PARISH  
 DUCHESNE

13. STATE  
 UTAH

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl <sub>2</sub> + 1/4 #/sx celloflake.
7 7/8	5 1/2	15.5#	6089.1'	

RECEIVED  
JUL 08 1997  
DIV. OF OIL, GAS & MINING

50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND #4556.

pc: Utah Division of Oil, Gas, and Mining  
Bureau of Indian Affairs, Fort Duchesne, Utah  
Ute Tribe, Fort Duchesne, Utah

RECEIVED  
JUN 05 1997

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE AGENT FOR PETROGLYPH DATE 6-5-97

(This space for Federal or State office use)  
**NOTICE OF APPROVAL**  
 PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 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:

APPROVED BY [Signature] TITLE ACTING Assistant Field Manager Mineral Resources DATE JUN 30 1997

Ut080-7m-278 \*See Instructions On Reverse Side  
 Title 18 U.S.C. Section 1001, makes 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.

CONDITIONS OF APPROVAL  
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company

Well Name & Number: Ute Tribal 30-16

API Number: 43-013-31897

Lease Number: 14-20-H62-3519

Location: SESE Sec. 30 T. 5S R. 3W

**NOTIFICATION REQUIREMENTS**

- Location Construction - at least 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 - at least twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and Related Equipment Tests - at least twenty-four (24) hours prior to initiating pressure 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.

## CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Orders, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative by the operator to insure compliance.

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

### A. DRILLING PROGRAM

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

Report **ALL** water shows and water-bearing sands to Tim Ingwell of this office **prior to setting the next casing string or requesting plugging orders**. Faxed copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, submit samples to this office along with any water analyses conducted.

All usable water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

#### 2. Pressure Control Equipment

The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc., for a **2M** system and individual components shall be operable as designed. Chart recorders shall be used for all pressure tests.

Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to a BLM representative upon request.

If an air compressor is on location and is being utilized to provide air for the drilling medium while drilling, the special drilling requirements in Onshore Oil and Gas Order No. 2, regarding air or gas drilling shall be adhered to. If a mist system is being utilized then the requirement for a deduster shall be waived.

3. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on the bottom three joints, with a minimum of one centralizer per joint.

If conductor pipe is set it will be cemented to surface. If drive pipe is used it will be pulled prior to cementing surface casing.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at  $\pm 1144$  ft.. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

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

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to  $\pm 944$  ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. One copy of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The Vernal District Office shall be notified, during regular work hours (7:45 a.m.-4:30 p.m., Monday through Friday except holidays), at least 24 hours **prior** to spudding the well.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

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

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) 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 43 CFR 3162.7-5 (b. 4).

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

7. Other Information

All loading lines will be placed inside the berm surrounding the tank battery.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted following initial installation and at least quarterly thereafter. The AO 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 will be submitted to the Vernal District Office. All meter measurement facilities will conform with Onshore Oil & Gas Order No. 4 for liquid hydrocarbons and Onshore Oil & Gas Order No. 5 for natural gas measurement.

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.

Section 102(b)(3) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 CFR 3162.4-1(c), requires that "not later than the 5th business day after any well begins production on which royalty is due anywhere on a lease site or allocated to a lease site, or resumes production in the case of a well which has been off production for more than 90 days, the operator shall notify the authorized officer by letter or sundry notice, Form 3160-5, or orally to be followed by a letter or sundry notice, of the date on which such production has begun or resumed."

If you fail to comply with this requirement in the manner and time allowed, you shall be liable for a civil penalty of up to \$10,000 per violation for each day such violation continues, not to exceed a maximum of 20 days. See Section 109(c)(3) of the Federal Oil and Gas Royalty Management Act of 1982 and the implementing regulations at Title 43 CFR 3162.4-1(b)(5)(ii).

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

In the event after-hours approval or notification is necessary, please contact one of the following individuals:

Wayne Bankert Petroleum Engineer	(801) 789-4170
Ed Forsman Petroleum Engineer	(801) 789-7077
Jerry Kenczka Petroleum Engineer	(801) 789-1190
BLM FAX Machine	(801) 781-4410

### EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

- Unused fracturing fluids or acids
- Gas plant cooling tower cleaning wastes
- Painting wastes
- Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids
- Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste
- Refinery wastes
- Liquid and solid wastes generated by crude oil and tank bottom reclaimers
- Used equipment lubrication oils
- Waste compressor oil, filters, and blowdown
- Used hydraulic fluids
- Waste solvents
- Waste in transportation pipeline-related pits
- Caustic or acid cleaners
- Boiler cleaning wastes
- Boiler refractory bricks
- Incinerator ash
- Laboratory wastes
- Sanitary wastes
- Pesticide wastes
- Radioactive tracer wastes
- Drums, insulation and miscellaneous solids.

## SURFACE CONDITIONS OF APPROVAL

The Surface Use Conditions of Approval all come from the Bureau of Indian Affairs Concurrence Memorandum and Site Specific Environmental Analysis.

The Ute Tribe Energy and Mineral Department is to be notified 48 hours prior to construction. A Tribal Technician is to monitor construction.

*Seventy-five*

*Fifty* (75) foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 30 feet, except as granted for sharp curves or intersections.

Surface pipelines shall be limited to 13 feet of the ROW. The pipeline will be constructed to lay on the soil surface, and the ROW for the pipeline will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the ROW. Where pipelines cross country between stations, they shall be welded in place at wellsites or on roads and then pulled into place with suitable equipment. Traffic will be restricted along these areas so that the pipeline ROW will not be used as an access road.

Buried pipelines shall be buried a minimum of 3 feet below the soil surface within an area of disturbance limited to 15 feet wide, and construction will be monitored by a Tribal Technician.

Buried pipelines adjacent to access roads shall be buried within 1.5 feet from the outside edge of the barrow ditch. Any additional buried pipelines shall be parallel to the outer side of the first buried pipeline and shall be constructed as close to the first pipeline as safety requirements allow.

After construction of the buried pipeline is completed the disturbed area of the right-of-way shall be contoured to blend into the natural landscape and it shall be reseeded with desirable vegetation as recommended by the BIA. Between September 15 and November 1 of the year following pipeline construction all disturbed areas shall be reseeded with perennial vegetation according to BIA, or Ute Tribe specifications.

Petroglyph will assure the Ute Tribe that any/all contractors and subcontractors have acquired a Tribal Business License and have access permits prior to construction.

All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

The Ute Tribe Energy & Mineral Department shall be consulted if cultural remains from subsurface deposits are exposed or identified during construction.

Before the site is abandoned, the company will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the reserve pits are backfilled the cuttings and mud, etc. left in them to be buried will be buried a minimum of three feet below the surface of the soil.

A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

A 24-inch diameter culvert shall be placed in the wash crossing on the access road located approximately 500 feet west of the well site.

Firewood shall be stockpiled at convenient locations near the wellsite and along the access road.

Upon completion of the project approved under this Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resources Department will be notified by Petroglyph Operating Company so that a Tribal Technician can verify Affidavit of Completion's.

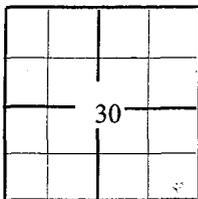
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

Sec. 30

T. 5S

R. 3W

USB & Mer.



INDIVIDUAL WELL RECORD

Date July 1, 1997

INDIAN

Lease No. 14-20-H62-3519

Lessee \_\_\_\_\_

Operator Petroglyph Operating Co. Inc.

Well Name & No. Ute Tribal 30-16

A.P.I. Well No. 43-013-31897

Location 518' FSL & 593' FEL

Date Drilling Approved June 30, 1997

Date Drilling Commenced \_\_\_\_\_

Date Drilling Ceased \_\_\_\_\_

Date Completed For Production \_\_\_\_\_

Date Abandonment Approved (Final) \_\_\_\_\_

State Utah

County Duchesne

Field Antelope Creek

Unit/CA Antelope Creek Sec. Rec. 14-20-H62-4650

District Vernal

Subdivision SESE

Well Elevation 6704.1' Graded Ground Feet

Total Depth \_\_\_\_\_ Feet

Initial Production \_\_\_\_\_

Gravity A.P.I. \_\_\_\_\_

Initial Reservoir Pressure \_\_\_\_\_

GEOLOGIC FORMATIONS

SURFACE

LOWEST TESTED

Uinta

PRODUCTIVE HORIZONS

NAME

DEPTHS

CONTENTS

SURFACE MANAGEMENT AGENCY	<u>BIA</u>
MINERAL OWNERSHIP	<u>Indian</u>
LEASE EXPIRATION	<u>HBP</u>

NAME	DEPTHS	CONTENTS

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.

First Production Memorandum \_\_\_\_\_ Lease Extension Memorandum \_\_\_\_\_ Confirmation \_\_\_\_\_

Remarks \_\_\_\_\_



**United States Department of the Interior**  
**BUREAU OF INDIAN AFFAIRS**  
**UINTAH AND OURAY AGENCY**  
 Fort Duchesne, Utah 84026  
 (801) 722-2406 Ext.

IN REPLY REFER TO:  
 Minerals and Mining

**MINERAL ACCESS AGREEMENT ON INDIAN OWNED LANDS**

WELL PAD, ACCESS ROAD AND 75' WIDE PIPELINE CORRIDOR FOR Well No. UT #30-16

The purpose of this agreement is to regulate the surface development of Indian Lands which have been leased for oil and gas development. An approved agreement must be obtained prior to the commencement of any surface disturbing activity and will be in effect for the term of the lease and the agreed upon contractual provisions referenced therein, if not revoked under the terms in item 4 of this agreement.

- The authorized officer for the Bureau of Indian Affairs, in conjunction with the Indian Surface owner and Tribe hereby grants permission to:  
PETROGLYPH OPERATING CO., INC.  
P.O. BOX 607  
ROOSEVELT, UT 84066

To improve and/or construct and maintain a development corridor which may contain an access road, pipelines, powerlines, communication lines and well pads on the following trust land (reference lease number and legal description):

LEASE NO. 14-20-H62-3519 SE/4 SECTION 30, T5S, R3W, U.S.B. & M

- In consideration of the approval of this agreement, the above company agrees to adhere to all lease provisions, A.P.D. stipulations and regulations of the Secretary of the Interior now or hereafter in force relative to such leases.
- The Company herewith submits an estimated surface damage fee in the amount of 1 AS PER TERMS OF COOF. P.O.D., for acres Pending Agency appraisal and the Affidavit of Completion.
- This agreement will remain in effect unless revoked upon 30 days written notice by the Superintendent or the appropriate official, depending upon circumstances.
- The permittee will submit a certified survey map of the proposed access road and/or well pad with this permit. The map must adhere to all specifications and requirements of the Branch of Minerals and Mining, Uintah and Ouray Agency, Bureau of Indian Affairs. Upon completion of construction, an Affidavit of Completion will be submitted by the company to certify that the construction completed was in accordance to the specifications certified to on the survey map accompanying this agreement.
- The Company agrees to furnish a bond in the amount of \$ \_\_\_\_\_, or to utilize said company's existing Nationwide Oil and Gas Bond No. BO 4556 to guarantee performance of this permit.
- The Company agrees to contact immediately the Bureau of Indian Affairs (BIA) and the Bureau of Land Management (BLM), if cultural resources discovered during construction or any time during the course of daily operations.

8. ADDITIONAL STIPULATIONS:

Signed on this 25th day of June, 19 97.

WITNESS:

[Signature]

[Signature]

AUTHORIZED AGENT

PETROGLYPH OPERATING CO., INC.  
 COMPANY NAME

P.O. BOX 607  
 ADDRESS

ROOSEVELT, UT                      84066  
 CITY/STATE                              ZIP CODE

APPROVED:

[Signature]  
 Superintendent

7/24/97  
 Date

memorandum

DATE: 6/28/97

REPLY TO  
ATTN OF: Superintendent, Uintah & Ouray Agency

SUBJECT: Concurrence Letter for Petroglyph Operating Company, T5S R3W  
 UT 30-10, NWNE, Sec. 30 UT 30-11, NESW, SEC. 30 UT 30-16, SESE, Sec.30  
 UT 30-14, SESW, Sec. 30 UT 30-15, NESW, SEC. 15

TO: Bureau of Land Management, Vernal District Office  
 ATTENTION: Minerals and Mining Division

We recommend approval of the Application for Permit to Drill on the subject well.

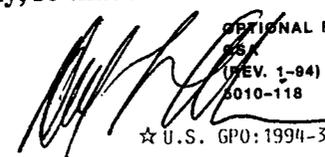
Based on available information received on JUNE 25, 1997, we cleared the proposed location in the following areas of environmental impact.

- YES  NO  Listed threatened or endangered species
- YES  NO  Critical wildlife habitat
- YES  NO  Archaeological or cultural resources
- YES  NO  Air quality aspects (to be used only if project is in or adjacent to a Class I area)

REMARKS: The Ute Tribe Energy & Minerals Department is recommending the following criteria to be adhered during all phases of construction activities.

1. The Ute Tribe Energy and Minerals Department is to be notified 48 hours prior to construction.
2. 75 foot corridor rights-of-way shall be granted with the following:
  - A. Buried pipelines shall be buried a minimum of 3 feet below soil surface.
  - B. Access roads shall be limited to 30 feet, except as granted for sharp turns.
  - C. Surface pipelines shall be limited to 13 feet wide.
  - D. Buried pipelines shall be limited to 15 feet wide and construction will be monitored by Tribal Technician.
3. Pipeline adjacent to access roads shall be buried within 1.5 feet from the outside edge the barrow ditch. Additional pipelines shall be parallel to each other, as safety requirements will allow.
4. Petroglyph Operating Company will assure the Ute Tribe that any/all contractors and any sub-contractors has acquired a Tribal Business License and have access permits prior to construction.
5. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the area examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
6. All mitigative stipulation's contained in the Bureau of Indian Affairs site specific Environmental Analysis (EA) will be strictly adhered.
7. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
8. The personnel from the Ute Tribe Energy & Minerals Department should be consulted, should cultural remains from subsurface deposits be exposed or identified during construction work.
9. Upon completion of Application for Right-of-way, the Ute Tribe Energy and Minerals Department will be notified by Petroglyph Operating Company, so that a Tribal Technician can verify Affidavits of Completion's.

RECEIVED JUN 26 1997

  
 OPTIONAL FORM NO. 10  
 (REV. 1-94)  
 5010-118  
 ☆ U.S. GPO: 1994-300-892/10064

**SITE SPECIFIC  
ENVIRONMENTAL ANALYSIS**

**RECEIVED**

**JUN 26 1997**

**1.0 PROPOSED ACTION**

Petroglyph Operating Co., Inc. is proposing to drill oil well #30-16, and construct pipelines, and an access road.

**2.0 ALTERNATIVE ACTIONS**

- A. **ALTERNATIVE CONSIDERED:** The proposed action is the preferred alternative.
- B. **NO ACTION:** Under the no action alternative the proposed action would not be implemented.
- C. **OTHER:** NA

**3.0 PERMITTEE/LOCATION**

- A. Permittee- Petroglyph Operating Co., Inc.
- B. Date 6-5-97
- C. Well number- 30-16
- D. Right-of-way- Access road R\W approx. 1586 feet.  
Pipeline R\W approx. 1613 feet.
- E. Site location- SESE, Section 30, T5S, R3W, USB&M.

**4.0 SITE SPECIFIC SURVEY**

**A. SITE DESCRIPTION**

- 1. Elevation (feet) 6709
- 2. Annual precipitation (inches)- 12-14
- 3. Topography- rolling hills
- 4. Soil- The soil texture is (0 to 6") gravely loam with moderate permeability.

**B. VEGETATION**

- 1. Habitat type is upland scrub.
- 2. Percent Ground Cover- estimated to be 40%.
- 3. Vegetation consists of approximately 40% grasses, 50% shrubs, 10% forbs. The main variety of grasses are squirrel tail, Indian ricegrass, poa, needle & thread, bluebunch wheat, galleta, and blue grama. Forbs are astragalus, mustard, lambs quarter, globemallow, buck wheat, flox, daisy, Indian paint brush, & annuals. Shrubs consist of black sagebrush, fring sage, bud sage, prickly pear, winterfat, shadscale, snakeweed, greasewood, rabbit brush. Trees, pinion pine & Utah juniper.

4. Observed Threatened & Endangered species: None.
5. Potential For Threatened & Endangered species: Slight
7. Observed Noxious Weeds: None

8. AFFECTED ENVIRONMENTAL

1. There are no surface damages as a result of the initial survey.

4.1 WILDLIFE

A. POTENTIAL SITE UTILIZATION

1. Big Game-The area is used throughout the year by mule deer, elk, and antelope. (elk & mule deer use this area most during winter months.)

2. Small Game-The area is used by cottontail rabbit.

3. Raptor- Various species of raptors use this area for habitat. Raptors which are observed using the area are Golden eagles, Redtail hawk, & Kestrel. Ferruginous hawk hunt in the area and there is an active nest located approximately 1.25 miles north east of this site in Section 20, T5S, R3W, USB&M.

5. Non-Game Wildlife- Animal species which have been observed using this area are black tail jack rabbit, coyote, fox, badger, and various species of reptiles, and song birds.

6. Threatened & Endangered Species: No T&E species are reported using the area of this project.

4.2 PRESENT SITE USE

A. USAGE

	<u>acres</u>
Rangeland	5.30
Irrigable land	0
Woodland	0
Non-Irrigable land	5.30
Commercial timber	0
Floodplain	0
Wetland	0
Riparian	0
Other:	0

4.3 CULTURAL RESOURCES

A. CULTURAL SURVEY

Cultural Resource Surveys were performed by James A. Truesdale, an Independent Archaeologist.

## 5.0 ENVIRONMENTAL IMPACTS

### A. SURFACE ALTERATIONS

	<u>acres</u>
1. Access road	1.09
2. Well site	1.43
3. Pipeline right-of-way	2.78
4. Corridor right-of-way	0.00
5. Total area disturbed	5.30

### B. VEGETATION/LANDSCAPE

1. Production loss (AUM's)/year: 0.35
2. Permanent scar on landscape: Yes x No
3. Potential impacts to Threatened & Endangered species:  
Yes No X

### C. SOIL/RANGE/WATERSHED

There will be an increase in soil erosion from wind and water. There will not be any possible point source of water pollution.

The area is presently used as rangeland. In recent years the area has been permitted for livestock grazing, but at the present time no permits have been issued for the area. This project will reduce livestock grazing by approximately 0.35 AUM/year.

The area is not used as irrigated cropland and a water right has not been designated for the area.

### D. WILDLIFE/THREATENED & ENDANGERED SPECIES

There will be an insignificant reduction of wildlife habitat and grazing for livestock. There will also be an increase in wildlife disturbance and poaching resulting from the additional traffic and people using the area.

There are no known impacts to Threatened or Endangered species but is important habitat for the Ferruginous hawk. The area is important winter range for big game.

Ferruginous Hawks use this area for nesting and hunting. There is an nest in Section 20.

## 6.0 MITIGATION STIPULATIONS

### A. VEGETATION/LANDSCAPE

1. Before the site is abandoned the company will be required to restore the well site and right-of-ways to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
2. Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

#### B. SOILS/RANGE/WATERSHEDS

1. Soil erosion will be mitigated by reseeding all disturbed areas.

#### 2. SURFACE PIPELINES

Surface pipelines will be constructed to lay on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where surface pipelines do not parallel roads but cross country between stations, they shall be welded in place at well sites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

#### 3. BURIED PIPELINES

Buried pipelines shall be buried a minimum of 3.0 feet below the soil surface. After construction of the pipeline is completed the disturbed area of the right-of-way shall be contoured to blend into the natural landscape, and it shall be reseeded with desirable vegetation.

Between September 15 and November 1 of the year following pipeline construction all disturbed areas shall be reseeded with perennial vegetation according to BIA, or Ute Tribe specifications.

#### 4. CORRIDOR RIGHT-OF-WAY

A 75 foot wide corridor pipeline right-of-way will be used for, surface pipelines, buried pipelines.

#### 5. ACCESS ROADS

Although the access road rights-of-way is 30 feet, the constructed travel width of the access road shall be limited to 22 feet, except it may be wider where sharp curves, or intersections are required.

A 24 inch diameter culvert shall be placed in the wash located approximately 500 feet west of the wellsite.

#### 6. DRILLING SYSTEM

An open drilling system will be used. Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the reserve pits are backfilled the surplus oil and mud, etc will be buried a minimum of 3.0 feet below the surface of the soil.

#### 7. PRODUCTION SYSTEM

A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

#### 8. FIREWOOD

Firewood shall be stockpiled at convenient locations near the wellsite and along the access road.

#### C. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

Because the wellsite is located more than 1/2 mile from a Ferruginous hawk nest this wellsite may be constructed and drilled at any time throughout the year.

#### D. CULTURAL RESOURCES

Cultural resource surveys were performed by James A. Truesdale. The consultant recommends clearance of the project as it is presently staked.

#### E. UTE TRIBAL REGULATIONS

(1). Prior to commencing surveys or construction on the U&O Indian Reservation the operator, and any of its sub-contractors, shall acquire access permits and business permits from the Ute Indian Tribe.

(2). Prior to the commencement of construction, the operator shall notify the Ute Tribal Department of Energy and Minerals of the date construction shall begin.

### 7.0 UNAVOIDABLE ADVERSE IMPACTS

#### A. SURFACE ALTERATIONS

None of the adverse impacts listed in 5.0 above can be avoided in a practical manner except those which are mitigated in item 6.0 above and those specified in BLM's 13 point surface use plan.

**B. RELATIONSHIP BETWEEN SHORT-TERM USE OF THE ENVIRONMENT VS LONG TERM PRODUCTIVITY.**

1. Short Term: (Estimated 20 years) A total loss of production on the land and the associated environmental impacts will continue to influence the surrounding area for the productive life of the well.
2. Long Term: Standard policies provide for rehabilitation of wellsite and rights-of-ways. After the land is rehabilitated, it is not expected to return to its original productive capability. Normally, there will be a permanent scar left on the landscape.

**C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT**

Oil and Gas are non-renewable resources, once they have been removed they can never be replaced.

**8.0 CUMULATIVE IMPACTS**

**A. FULL DEVELOPMENT**

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and grazing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

**9.0 NEPA COMPLIANCE**

**A. RESEARCH/DOCUMENTATION**

Based on available information, 6-5-97, the proposed location in the following areas of environmental impacts has been cleared:

<u>X</u>	Yes	_____	No	Listed Threatened & Endangered species
<u>X</u>	Yes	_____	No	Critical wildlife habitat
<u>X</u>	Yes	_____	No	Historical and cultural resources

**10.0 REMARKS**

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

11.0 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

We recommend approval of the proposed action as outlined in item 1.0 above.

6-5-97

Date

Dale S. Hanberg  
Representative - BIA Land  
Operations, Uintah and Ouray  
Agency

12.0 DECLARATION

A. APPROVAL

It has been determined that the proposed action is not a federal action significantly affecting the quality of the environment as it would require the preparation of an environmental impact statement in accordance with Section 102 (2) (c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2) (C).

6/5/97

Date

Allen F. [Signature]  
Acting Superintendent,  
Uintah and Ouray Agency

14.0 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

Dale Hanberg- BIA  
Ed Trotter-Petroglyphs  
Lonnie Nephi-UTEM  
Greg Darlington-BLM

B:\EAPet30.16

DIVISION OF OIL, GAS AND MINING

**CONFIDENTIAL**

SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING

Well Name: UTE TRIBAL 30-16

Api No. 43-013-31897

Section: 30 Township: 5S Range: 3W County: DUCHESNE

Drilling Contractor: UNION

Rig # 16

SPUDDED:

Date: 8/10/97

Time: \_\_\_\_\_

How: ROTARY

Drilling will commence: \_\_\_\_\_

Reported by: DEANNA

Telephone NO.: \_\_\_\_\_

Date: 8/26/97 Signed: JLT

1

FORM 7

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: NTE TRIBAL 30-16

API number: 43-013-31897

2. Well Location: QQ SESE Section 30 Township 5S Range 3W County Duchesne

3. Well operator: PETROGLYPH Operating Company, Inc.

Address: P.O. Box 607  
Roosevelt, UT 84066

Phone: (801) 722-2531

4. Drilling contractor: Union Drilling

Address: P.O. Drawer 40  
Buckhannon, WV 26201

Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	562	Dust	
562	916	Dust	
916		Damp	
	1340	1/8 x 7"	

6. Formation tops: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 8/21/97

Name & Signature: Lisha Bell

Title: Operations Coordinator

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE  
(See other instructions on  
reverse side)

Form approved.  
Budget Bureau No. 1004-0137  
(Expires August 31, 1985)

5. LEASE DESIGNATION AND SERIAL NO.  
14-20-H62-3519

6. IF INDIAN, ALOTTEE OR TRIBE NAME  
Ute Indian Tribe

7. UNIT AGREEMENT NAME  
14-20-H62-4650

8. FARM OR LEASE NAME

9. WELL NO.  
Ute Tribal 30-16

10. FIELD AND POOL, OR WILDCAT  
Antelope Creek

11. SEC., T., R., M., OR BLOCK AND  
SURVEY OR AREA  
Sec. 30-T5S-R3W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1.a. TYPE OF WELL: Oil Well  Gas Well  Dry  Other

b. TYPE OF COMPLETION: New Well  Workover  Deepen  Plug Back  Diff. Reserv.  Other

2. NAME OF OPERATOR  
PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS OF OPERATOR  
P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 518' FSL 593' FEL

At top prod. interval reported below

At total depth 6089' RTD

CONFIDENTIAL  
PERIOD

EXPIRED  
ON 12-10-98

CONFIDENTIAL

14. PERMIT NO.  
43-013-31897

DATE ISSUED  
6/30/97

12. County or Parish  
Duchesne

13. State  
Utah

15. DATE SPUDDED 8/10/97

16. DATE T.D. REACHED 8/17/97

17. DATE COMPLETED (Ready to prod.)  
11/10/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)  
6714'

19. ELEV. CASINGHEAD  
6704'

20. TOTAL DEPTH, MD & TVD  
6089'

21. PLUG BACK T.D., MD & TVD  
6020'

22. IF MULTIPLE COMPL., HOW MANY\*  
??

23. INTERVALS DRILLED BY  
ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)\*  
Green River (same as perforating record below)

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Compensated Neutron Litho Density w/ Gamma Ray, AIT 9-11-97

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE			
8-5/8"	24	265'	12-1/4"	165 sxs Type 5		
5-1/2"	15.5	6066'	7-7/8"	290 sxs Highfill		
				370 sxs Thixotropic		

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5855'	

31. PERFORATION RECORD (Interval, size and number)  
CONFIDENTIAL  
E4 5724-30' (24 holes)  
D1 5026-30' (24 holes)  
C8.1 4886-90' (16 holes)  
C6 4820-22' (8 holes)  
C6 4824-28' (16 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		AMOUNT AND KIND OF MATERIAL USED
DEPTH INTERVAL (MD)		
5724-30'	7280 gal Boragel, 43000# 20/40 prop	
5026-30'	6020 gal Boragel, 28100# 20/40 prop	
4886-90'	5803 gal Boragel, 28000# 20/40 prop	
4820-22' & 4824-28'	5064 gal Boragel, 43100# 20/40 prop	
4688-94'	4795 gal Boragel, 49300# 20/40 prop cont'd	

33. PRODUCTION						WELL STATUS (Producing or shut-in)	
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)					
10/24/97		2-1/2" x 1-3/4" x 16' 40 ring PA RHAC pump				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
10/28/97	24			110	20	63	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	1100						

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY  
Dave Schreiner

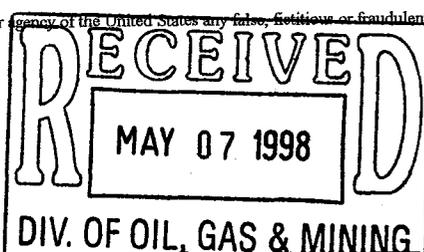
35. LIST OF ATTACHMENTS

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

Signed Heanna Bell Title Operations Coordinator Date 12/31/97

\*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly or 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.



37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof, cored intervals, and all drill-stem, tests, including depth interval tested, cushion used, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
B Marker	4010					
X Marker	4490					
Y Marker	4523					
Douglas Creek	4630					
B Limestone	5003					
Castle Peak	5542					
Basal Carbonate	5981					
			<b>CONFIDENTIAL</b>			

38. GEOLOGIC MARKERS

WELL COMPLETION REPORT

UTE TRIBAL 30-16 CONTINUED



32.

4324-34'      12288 gal Boragel, 68900# 20/40 prop

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

OPERATOR ACCT. NO. N 3800

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A		12216	43-013-31896	Ute Tribal 30-15	SWSE	30	5S	3W	Duchesne	7-25-97	
WELL 1 COMMENTS: Tank Battery for all wells listed on this page. Entity previously added 9-11-97.											
A		12216	43-013-31908	Ute Tribal 30-14	SESW	30	5S	3W	Duchesne	9-8-97	
WELL 2 COMMENTS: Entity previously added 9-11-97.											
A	99999	12216	43-013-31897	Ute Tribal 30-16	SESE	30	5S	3W	Duchesne	8-10-97	
WELL 3 COMMENTS: Entity added 12-4-97 <i>for</i>											
A	99999	12216	43-013-31907	Ute Tribal 30-11	NESW	30	5S	3W	Duchesne	8-18-97	
WELL 4 COMMENTS: Entity added 12-4-97 <i>for</i>											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
  - B - Add new well to existing entity (group or unit well)
  - C - Re-assign well from one existing entity to another existing entity
  - D - Re-assign well from one existing entity to a new entity
  - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

L. Jeanne Bell  
 Signature  
Operations Coordinator 12/1/97  
 Title Date  
 Phone No. 435 722-2531

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals

**SUBMIT IN TRIPLICATE**

5. Lease Designation and Serial No.	14-20-H62-3519
6. If Indian, Allottee or Tribe Name	Ute Indian Tribe
7. If Unit or CA, Agreement Designation	14-20-H62-4650
8. Well Name and No.	Ute Tribal 30-16
9. API Well No.	43-013-31897
10. Field and Pool, or Exploratory Area	Antelope Creek
11. County or Parish, State	Duchesne County, UT

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**Petroglyph Operating Company, Inc.**

3. Address and Telephone No.  
**P.O. Box 607, Roosevelt, UT 84066 (435) 722-2531**

4. Location of Well (Footage, Sec., T., R., or Survey Description)  
**518' FSL & 593' FEL  
SESE Sec. 30-T5S-R3W**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> CONVERT TO INJECTOR
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Petroglyph Operating Company, Inc. has submitted an application for a UIC permit to convert the Ute Tribal 30-16 from a producing well to an injection well under the EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area in Duchesne County, Utah.

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

RECEIVED  
MAR 02 2000  
DIVISION OF  
OIL, GAS AND MINING

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

Signed W. MacLachlan Smith Title Operations Coordinator Date 2-28-00

(This space for Federal or State official use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of Approval, if any:

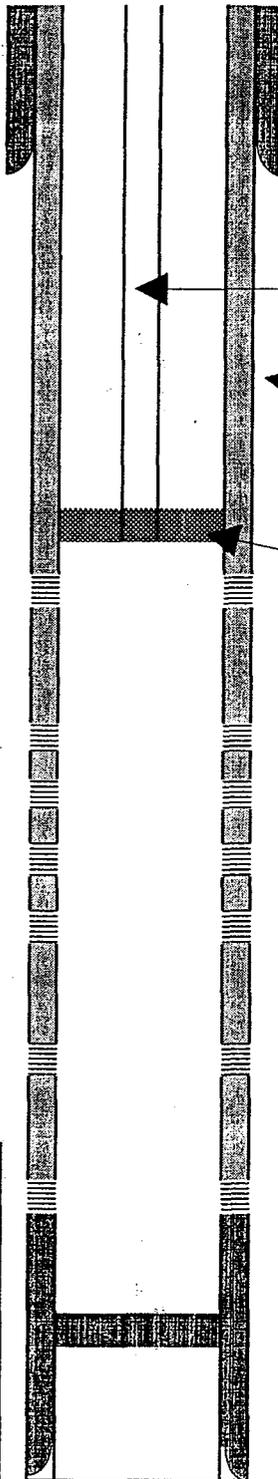
Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter in its jurisdiction.

\*See Instruction on Reverse Side

Ute Tribal #30-16-Wellbore Diagram  
After Conversion

Well History:

- 8/11/97 Spud Well
- 10/24/97 First Production
  
- 10/3/97 E4 Perf's, 5724 to 5732', 4 spf.  
Broke down with acid and treated water.  
Fraced with 7,280 gal x-linked gel water  
and 43,000 lbs. total sand. ISIP 1771 psi.
  
- 10/3/97 D1 Perf's, 5026 to 5030', 4 spf.  
Broke down with treated water. Fraced  
with 6,020 gal x-linked gel water and  
28,100 lbs. total sand. Screened out.
  
- 10/3/97 C8.1 Perf's, 4886 to 4890', 4 spf.  
Broke down with acid and treated water.  
Fraced with 5,803 gal x-linked gel water  
and 28,000 lbs. total sand. ISIP 2711 psi.
  
- 10/13/97 C6 Perf's, 4820 to 4822', 4 spf also,  
Perf's 4824 to 4828', 4 spf.  
Broke down with treated water. Fraced  
with 5,064 gal x-linked gel water and  
and 43,100 lbs. total sand. ISIP 3140 psi.
  
- 10/13/97 C5 Perf's, 4688 to 4694', 4 spf.  
Broke down with acid and treated water.  
Fraced with 4,795 gal x-linked gel water  
and 49,300 lbs. total sand. ISIP 2235 psi.
  
- 10/14/97 B8 Perf's, 4324 to 4334', 4 spf.  
Broke down with treated water. Fraced  
with 12,288 gal. x-linked gel water and  
68,900 lbs. total sand. ISIP 3162 psi.



GL: 6704  
KB: 6714

8 5/8" 24# Surface CSG @  
255' KB cmt'd w/165 sxs

133 Jts. 2 3/8" 4.7# Tubing set on  
packer @ 4256'

Hole Size 7 7/8" bit

Cement top See Remarks  
5 1/2" 15.5# CSG @ 6065' cmt'd w/600 sxs.

Packer @ 4256'

Perf's:

- B8 4324 to 4334'
- C5 4688 to 4694'
- C6 4820 to 4822'  
4824 to 4828'
- C8.1 4886 to 4890'
- D1 5026 to 5030'
- E4 5724 to 5730'

DIVISION OF  
OIL, GAS AND MINING

MAR 02 2000

PBTD @ 5987'  
TD @ 6089' KB

Remarks:

Cement Volume was calculated from the open hole log and should have circulated. No cement returns were noted on Halliburton Job Log. Cased hole bond log shows some cement up into the base of this surface casing.

Petroglyph Operating Co., Inc.  Ute Tribal #30-16  (518' FSL & 593' FEL)  SE SE Section 30 - 5S - 3W  Antelope Creek Field Duchesne Co. Utah  API #43-013-31897 ; LEASE #14-20-H62-3519
--

(Not to Scale)

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

<b>SUBMIT IN TRIPLICATE- Other Instructions on reverse side</b>		5. Lease Serial No. <b>1420H623519</b>
1. Type of Well: <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <b>INJECTION</b>		6. If Indian, Allottee or Tribe Name <b>UTE INDIAN TRIBE</b>
2. Name of Operator <b>PETROGLYPH OPERATING COMPANY, CONTACT: MICHEAL SAFFORD COORDINATOR EMAIL: mikes@petroglyph.net</b>		7. If Unit or CA Agreement, Name and No. <b>1420H624650</b>
3a. Address <b>P.O. BOX 607 ROOSEVELT, UT 84066</b>	3b. Phone No. (include area code) <b>TEL: 435.722.2531 EXT: FAX: 435.722.9145</b>	8. Lease Name and Well No. <b>UTE TRIBAL 30-16</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Sec 30 T05S R03W SESE 518FSL 593FEL</b>		9. API Well No. <b>4301331897</b>
		10. Field and Pool, or Exploratory <b>ANTELOPE CREEK</b>
		11. County or Parish, State <b>DUCHESNE, UT</b>

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

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

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

**The Ute Tribal 30-16 was converted to an injection well on 9/6/00.**

**see attached well rework record (EPA) form.**

**current status: waiting on EPA for aproval to inject.**

RECEIVED  
APR 11  
2000  
BLM VERNAL FIELD OFFICE

Name (Printed/Typed)	Title
Signature	Date

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**ELECTRONIC SUBMISSION #2098 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE**

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, DC 20460



WELL REWORK RECORD

NAME AND ADDRESS OF PERMITTEE Petroglyph Operating Company, Inc. P.O. Box 1839 Hutchinson, KS 67504-1839	NAME AND ADDRESS OF CONTRACTOR Ute Indian Tribe
---	--

LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT -- 640 ACRES  	STATE UT	COUNTY Duchesne	PERMIT NUMBER UT2736-04417
	SURFACE LOCATION DESCRIPTION SE 1/4 OF SE 1/4 SECTION 30 TOWNSHIP 5S RANGE 3W		
	LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface Location 518 ft. from South Line of quarter section and 593 ft. from East Line of quarter section		
	WELL ACTIVITY <input type="checkbox"/> Brine Disposal <input checked="" type="checkbox"/> Enhanced Recovery <input type="checkbox"/> Hydrocarbon Storage	Total Depth Before Rework 6089  Total Depth After Rework 6089  Date Rework Commenced 9/6/2000  Date Rework Completed 9/11/2000	TYPE OF PERMIT <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 1  Well Number Ute Tribal 30-16
Lease Name Ute Tribal			

WELL CASING RECORD - BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
8-5/8" 24#	265'	165	Type 5	5724	5730	7280 gal Boragel, 43000# 20/40 prop
5-1/2" 15.5#	6066	660	290 sxs Highfill	5026	5030	6020 gal Boragel, 28100# 20/40 prop
		370 sxs Thixotropic		4886	4890	5803 gal Boragel, 28000# 20/40 prop
				4820	4822	5064 gal Boragel, 43100# 20/40 prop
				4824	4828	
				4688	4694	

WELL CASING RECORD - AFTER REWORK (Indicate Additions and Changes Only)

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
Same as above						See attached page

DESCRIBE REWORK OPERATIONS IN DETAIL  
 USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Complete as injection w/ 2-3/8" @ 4251'. Set pkr, test annulus. Performed M.I.T. test.	Log Types CNL, AIT, CBL	Logged Intervals

CERTIFICATION

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32).

DIVISION OF OIL, GAS AND MINERAL

NAME AND OFFICIAL TITLE (Please type or print) Micheal Safford Operations Coordinator	SIGNATURE 	DATE SIGNED 10/16/00
---	---------------	-------------------------

# Ute Tribal 30-16

## Page 2 Treatment record

Perforations		Acid or Fracture
From	To	Treatment Record
4334	4351	perf with 120 deg phasing 4 spf
4520	4526	perf with 120 deg phasing 4 spf
4820	4828	treat zone with 500 gal 15% HCL and additives
4688	4694	treat zone with 500 gal 15% HCL and additives
4520	4526	treat zone with 500 gal 15% HCL and additives

Ute Tribe  
Oil & Gas Division  
30-16  
Treatment Record  
Page 2 of 2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires March 31, 1993

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well     Gas Well     Other

2. Name of Operator  
**Petroglyph Operating Company, Inc.**

3. Address and Telephone No.  
**P.O. Box 607, Roosevelt, UT 84066 (435) 722-2531**

4. Location of Well (Footage, Sec., T., R., or Survey Description)  
**518' FSL & 593' FEL  
SESE Sec. 30-T5S-R3W**

5. Lease Designation and Serial No.  
**14-20-H62-3519**

6. If Indian, Allottee or Tribe Name  
**Ute Indian Tribe**

7. If Unit or CA, Agreement Designation  
**14-20-H62-4650**

8. Well Name and No.  
**Ute Tribal 30-16**

9. API Well No.  
**43-013-31897**

10. Field and Pool, or Exploratory Area  
**Antelope Creek**

11. County or Parish, State  
**Duchesne County, UT**

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

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input checked="" type="checkbox"/> CONVERT TO INJECTOR
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Petroglyph Operating Company, Inc. has submitted an application for a UIC permit to convert the Ute Tribal 30-16 from a producing well to an injection well under the EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area in Duchesne County, Utah.

**RECEIVED**  
**OCT 11 2002**  
 DIVISION OF  
 OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.  
 Signed *Michael Smith* Title Operations Coordinator Date 2-28-00

(This space for Federal or State official use)

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of Approval, if any:

Form 3160-5  
(August 1999)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.  
**1420H623519**

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

7. If Unit or CA Agreement, Name and No.  
**1420H624650**

8. Lease Name and Well No.  
**UTE TRIBAL 30-16**

9. API Well No.  
**4301331897**

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

11. County or Parish, State  
**DUCHESNE, UT**

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

1. Type of Well:  
 Oil Well  Gas Well  Other **INJECTION**

2. Name of Operator **PETROGLYPH OPERATING COMPANY,  
CONTACT: MICHEAL SAFFORD COORDINATOR  
EMAIL: mikes@petroglvph.net**

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

3b. Phone No. (include area code)  
**TEL: 435.722.2531 EXT:  
FAX: 435.722.9145**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**Sec 30 T05S R03W SESE 518FSL 593FEL**

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

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

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

The Ute Tribal 30-16 was converted to an injection well on 9/6/00.

see attached well rework record (EPA) form.

current status: waiting on EPA for aproval to inject.

**RECEIVED**  
**OCT 11 2002**  
DIVISION OF  
OIL, GAS AND MINING

Name (Printed/Typed)	Title
Signature	Date

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction

**ELECTRONIC SUBMISSION #2098 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE**



Ute Tribal 30-16

Page 2 Treatment record

Perforations		Acid or Fracture
From	To	Treatment Record
4334	4351	perf with 120 deg phasing 4 spf
4520	4526	perf with 120 deg phasing 4 spf
4820	4828	treat zone with 500 gal 15% HCL and additives
4688	4694	treat zone with 500 gal 15% HCL and additives
4520	4526	treat zone with 500 gal 15% HCL and additives

RECEIVED JAN 10 2009

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

DEC - 4 2000

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

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

5. Lease Serial No.  
1420H623519

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

7. If Unit or CA/Agreement Name and/or No.  
1420H624650

8. Well Name and No.  
UTE TRIBAL 30-16

9. API Well No.  
4301331897

10. Field and Pool, or Exploratory Area  
ANTELOPE CREEK

11. County or Parish, and State  
DUCHESNE UT

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

1. Type of Well  Oil Well  Gas Well Other **INJECTION**

2. Name of Operator  
**PETROGLYPH OPERATING COMPANY,**

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

3b. Phone No. (include area code)  
**435.722.2531**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**593FEL 518FSL**

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be files within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)  
The Ute Tribal 30-16 was converted to an injection well on 9/6/00. see attached well rework record (EPA) form. current status: waiting on EPA for aproval to inject.

RECEIVED

OCT 11 2002

DIVISION OF  
OIL GAS AND MINING

RECEIVED JAN 9 2001

Electronic Submission #2098 verified by the BLM Well Information System for PETROGLYPH OPERATING COMPANY, Sent to the Vernal Field Office Committed to AFMSS for processing by LESLIE CRINKLAW on 12/04/2000

Name (Printed/Typed) <b>MICHEAL SAFFORD</b>	Title <b>COORDINATOR</b>
Signature	Date <b>12/04/2000</b>

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>NOTED</b>	Title	Date <b>-5 JAN 2001</b>
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Handwritten signature: *MS SAFFORD*

# Mechanical Integrity Test

## Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_ Date: 11/18/05

Test conducted by: CHAD STEVENSON

Others present: 43.013.31897 SS 3W 30

Well Name: <u>30-16</u>	Type: ER SWD	Status: AC TA UC
Field: <u>ANTELOPE CREEK</u>		
Location: <u>30-16</u> Sec: _____ T _____ N/S R _____ E/W County: <u>DUCHESNE</u> State: <u>UT</u>		
Operator: <u>PETROGLYPH OPERATIONS</u>		
Last MIT: <u>1</u> <u>1</u>		Maximum Allowable Pressure: _____ PSIG

Is this a regularly scheduled test?  Yes [ ] No

Initial test for permit? [ ] Yes [ ] No

Test after well rework? [ ] Yes [ ] No

Well injecting during test?  Yes [ ] No

Accepted by the  
Utah Division of  
Oil, Gas and Mining

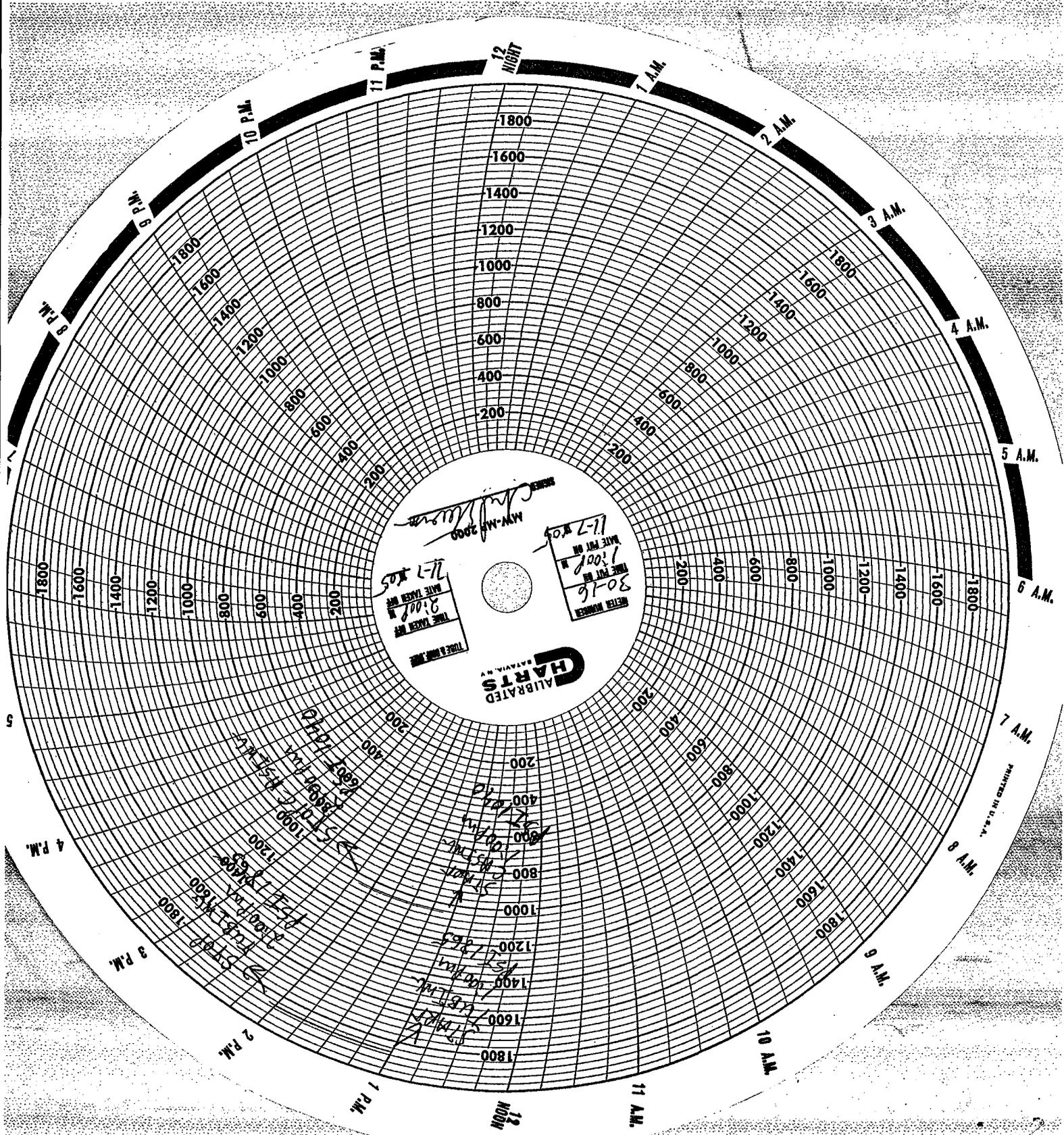
**FOR RECORD ONLY**

If Yes, rate: \_\_\_\_\_ 13 bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

MIT DATA TABLE	Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>			
Initial Pressure	<u>1865</u> psig	psig	psig
End of test pressure	<u>1865</u> psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>			
0 minutes	<u>1040</u> psig	psig	psig
5 minutes	<u>1040</u> psig	psig	psig
10 minutes	<u>1040</u> psig	psig	psig
15 minutes	<u>1040</u> psig	psig	psig
20 minutes	<u>1040</u> psig	psig	psig
25 minutes	<u>1040</u> psig	psig	psig
30 minutes	<u>1040</u> psig	psig	psig
<u>1 Hour</u> minutes	<u>1040</u> psig	psig	psig
minutes	psig	psig	psig
<b>RESULT</b>	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

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



**HARTS**  
CALIBRATED  
BATAVIA, N.Y.

MAY-M 2000  
MAY 2000

MAY 2000  
MAY 2000

PRINTED IN U.S.A.

**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>1420H623519</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>
		7. UNIT or CA AGREEMENT NAME: <b>1420H624650</b>
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>INJECTION</u>		8. WELL NAME and NUMBER: <b>UTE TRIBAL 30-16</b>
2. NAME OF OPERATOR: <b>PETROGLYPH OPERATING COMPANY, INC.</b>		9. API NUMBER: <b>4301331897</b>
3. ADDRESS OF OPERATOR: PO BOX 607 CITY <u>ROOSEVELT</u> STATE <u>UT</u> ZIP <u>84066</u>		10. FIELD AND POOL, OR WILDCAT: <b>ANTELOPE CREEK</b>
4. LOCATION OF WELL FOOTAGES AT SURFACE: <b>518' FSL &amp; 593' FEL</b> QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <b>SESE 30 T5S R3W</b>		
		COUNTY: <b>DUCHESNE</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 checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 checked="" type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

We are requesting to have the status of this injection well changed to SI due to drilling purposes on the pad. The plan of action for this injection well is to bleed down the well, release the injection packer, lay down the injection tubing, run in hole with wire line, set a wire line retrievable plug, spot 15 feet of sand, tear the wellhead down and cap, there will be a relief valve on the cap.

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

NAME (PLEASE PRINT) <u>Leon Roush</u>	TITLE <u>Rig Supervisor</u>
SIGNATURE <u><i>AK. Roush</i></u>	DATE <u>8/11/2011</u>

(This space for State use only)

**RECEIVED  
AUG 15 2011**

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3519
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>1. TYPE OF WELL</b> Water Injection Well		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 30-16
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Ave, Ste 500, Bosie, ID, 83703		<b>9. API NUMBER:</b> 43013318970000
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0518 FSL 0593 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 30 Township: 05.0S Range: 03.0W Meridian: U		<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
<b>11.</b> CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		<b>COUNTY:</b> DUCHESNE
<b>11.</b> CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		<b>STATE:</b> UTAH
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 8/23/2011	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> OTHER	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> On the above referenced date Petroglyph Operating completed the following work: Bleed down well, release injection packer, lay down injection tubing, run in hole with wire line, set a wire line retrievable plug, spot 15' of sand, tear down well head and cap. There is a valve on the cap. Please change the status of this injection well temporarily shut in. This work was done as a preventative safety measure while there is drilling equipment on the location.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY</b>		
<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/3/2012	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3519
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 30-16
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>9. API NUMBER:</b> 43013318970000
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Ave, Ste 500, Bosie, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7674 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0518 FSL 0593 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 30 Township: 05.0S Range: 03.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/12/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input checked="" type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input type="checkbox"/> OTHER	
<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text"/>		
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. on 4/2/2012 Petroglyph Operating rigged up on the above referenced well. We drilled out the composite plug and cement cap previously set at 4160', made a bit and scraper run past the perforations and circulated and cleaned the well. We then isolated various zones with a plug and a packer to test the injection rates of various zones. Being satisfied with the results of our tests we pulled all tools, ran in hole with a new Arrowset 1 packer and new injection tubing, pressure tested the tubing to 3500psi BHP and performed an MIT on the casing to 1900psi with no loss. Please review the attached Mechanical Integrity Test and change this well's status to active injection well. We will resume injection once the appropriate approval is granted.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 03, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A		<b>DATE</b> 4/17/2012

# Mechanical Integrity Test Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency  
Underground Injection Control Program, UIC Direct Implementation Program 8P-W-GW  
999 18<sup>th</sup> Street, Suite 500 Denver, CO 80202-2466

EPA Witness: \_\_\_\_\_  
 Test conducted by: BILL MURRAY Date: 4.11.12  
 Others present: \_\_\_\_\_

Well Name: 30-16 Type: ER SWD Status: AC TA UC  
 Field: ANTelope CREEK  
 Location: 30-16 Sec: T N/S R: \_\_\_\_\_ E/W County: DUCHESSNE State: WY  
 Operator: PETROBRIL PH ENERGY  
 Last MIT: 1 Maximum Allowable Pressure: \_\_\_\_\_ PSIG

- Is this a regularly scheduled test?  Yes  No  
 Initial test for permit?  Yes  No  
 Test after well rework?  Yes  No  
 Well injecting during test?  Yes  No  
 If Yes, rate: \_\_\_\_\_ bpd

Pre-test casing/tubing annulus pressure: \_\_\_\_\_ psig

MIT DATA TABLE		Test #1	Test #2	Test #3
<b>TUBING PRESSURE</b>				
Initial Pressure	<u>300.</u>	psig		
End of test pressure	<u>300</u>	psig	psig	psig
<b>CASING/TUBING ANNULUS PRESSURE</b>				
0 minutes	<u>1540</u>	psig		
5 minutes	<u>1540</u>	psig	psig	psig
10 minutes	<u>1540</u>	psig	psig	psig
15 minutes	<u>1540</u>	psig	psig	psig
20 minutes	<u>1540</u>	psig	psig	psig
25 minutes	<u>1540</u>	psig	psig	psig
30 minutes	<u>1540</u>	psig	psig	psig
<u>5 Hours</u> - minutes	<u>1540</u>	psig	psig	psig
minutes		psig	psig	psig
<b>RESULT</b>			psig	psig



STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> 14-20-H62-3519
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>7. UNIT or CA AGREEMENT NAME:</b> ANTELOPE CREEK
<b>1. TYPE OF WELL</b> Water Injection Well		<b>8. WELL NAME and NUMBER:</b> UTE TRIBAL 30-16
<b>2. NAME OF OPERATOR:</b> PETROGLYPH OPERATING CO		<b>9. API NUMBER:</b> 43013318970000
<b>3. ADDRESS OF OPERATOR:</b> 960 Broadway Ave, Ste 500 , Bosie, ID, 83703	<b>PHONE NUMBER:</b> 208 685-7674 Ext	<b>9. FIELD and POOL or WILDCAT:</b> ANTELOPE CREEK
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 0518 FSL 0593 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: SESE Section: 30 Township: 05.0S Range: 03.0W Meridian: U		<b>COUNTY:</b> DUCHESNE
		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:  <input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/2/2012  <input type="checkbox"/> SPUD REPORT Date of Spud:  <input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> WILDCAT WELL DETERMINATION <input checked="" type="checkbox"/> OTHER	
	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input type="text" value="Resume Injection"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
We resumed injection on the above referenced injection well on 05/02/2012.		
<b>Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY May 15, 2012</b>		
<b>NAME (PLEASE PRINT)</b> Rodrigo Jurado	<b>PHONE NUMBER</b> 435 722-5302	<b>TITLE</b> Regulatory & Compliance Spc
<b>SIGNATURE</b> N/A		<b>DATE</b> 5/4/2012



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
REGION 8**

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

**MAY 01 2012**

Ref: 8ENF-UFO

CERTIFIED MAIL 7009-3410-0000-2595-7208  
RETURN RECEIPT REQUESTED

Mr. Les Farnsworth, District Supervisor  
Petroglyph Operating Company, Inc.  
4116 W 3000 S Ioka Lane  
P.O. Box 607  
Roosevelt, UT 84066

Re: Underground Injection Control (UIC)  
Permission to Resume Injection  
Ute Tribal 30-16 Well  
EPA ID# UT20736-04417  
API # 43-013-31897  
Antelope Creek Oil Field  
Duchesne County, UT

Dear Mr. Farnsworth:

On April 23, 2012, the Environmental Protection Agency (EPA) received information from Petroglyph Operating Company, Inc. on the above referenced well concerning the workover to restore the well to operating condition after temporary shut-in for drilling operations and the followup mechanical integrity test (MIT) conducted on April 12, 2012. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before April 12, 2017.

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

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

If you have any questions concerning this letter, you may contact Sarah Roberts at (303) 312-7056. Please direct all correspondence to the attention of Sarah Roberts at Mail Code 8ENF-UFO.

Sincerely,



Darcy O'Connor, Acting Director  
UIC/FIFRA/OPA Technical Enforcement Programs

cc: Irene Cuch, Jr., Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
Fort Duchesne, Utah 84026

Ronald Wopsock, Vice-Chairman  
Uintah & Ouray Business Committee  
P.O. Box 190  
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Phillip Chimburas, Councilman  
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Stewart Pike, Councilman  
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Frances Poowegup, Councilwoman  
Uintah & Ouray Business Committee  
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Mike Natchees, Environmental  
Coordinator  
Ute Indian Tribe  
P.O. Box 190  
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,  
Minerals and Air Programs  
P.O. Box 70  
Ute Indian Tribe  
Fort Duchesne, Utah 84026

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





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MAY 01 2012

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Accepted by the  
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FOR RECORD ONLY

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Dear Mr. Farnsworth:

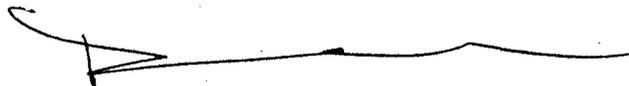
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