

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS 1 _____ LE X WATER SANDS _____ LOCATION INSPECTED _____ SUB. REPORT/abd. _____

980908, Comp. Exp.

DATE FILED MARCH 11, 1997

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. _____ INDIAN # _____

DRILLING APPROVED: MARCH 25, 1997 14-20-H62-3511

SPUDED IN: 4/30/97

COMPLETED: 8.8.97 POW PUT TO PRODUCING:

INITIAL PRODUCTION: 8-17-97

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: 5806-26'

TOTAL DEPTH: 6187'

WELL ELEVATION: 6242' GL

DATE ABANDONED: _____

FIELD: ANTELOPE CREEK

UNIT: _____

COUNTY: DUCHESNE

WELL NO. UTE TRIBAL 16-10

API NO. 43-013-31851

LOCATION 1728 FSL FT. FROM (N) (S) LINE. 1881 FEL

FT. FROM (E) (W) LINE. NW SE 1/4 - 1/4 SEC. 16

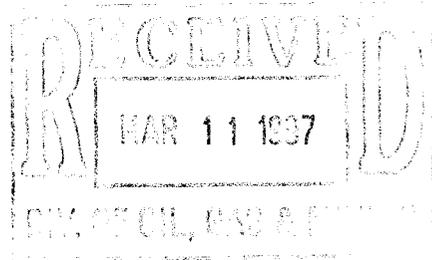
TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
------	------	------	----------	------	------	------	----------

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	Halgaite Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
B Mahler	Dakota	Park City	McCracken
X Mahler	Burro Canyon	Rico (Goodridge)	Aneth
Y Mahler	Cedar Mountain	Supai	Simonson Dolomite
Douglas Crk	Buckhorn	Wolfcamp	Sevy Dolomite
B Limestone	JURASSIC	CARBON I FEROUS	North Point
Wash Basal Carb	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	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	Cane Creek	
Blackhawk	TRIASSIC		

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

March 4, 1997

Utah Division of Oil, Gas, & Mining
Attn: Mr. Frank Matthews, Petroleum Engineer
1594 West North Temple
Box 145801
Salt Lake City, UT 84114-5801



RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL #16-10
NW/SE SEC. 16, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3511
UTE TRIBAL LANDS

Dear Mr. Matthews:

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, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface
 1728' FSL & 1881' FEL NW/SE
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 1728' (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE
 640

17. NO. OF ACRES ASSIGNED TO THIS WELL
 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 6093'

19. PROPOSED DEPTH
 6093'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6242.2' GRADED GROUND

22. APPROX. DATE WORK WILL START*
 MARCH, 1997

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-H62-3511

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.
 #16-10

10. FIELD AND POOL, OR WILDCAT
 ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 16, 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 ₂ + 1/4 #/sx celloflake. 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).
7 7/8	5 1/2	15.5#	6093'	

CONFIDENTIAL

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

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

RECEIVED
MAR 11 1997
BY: [Signature]

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 3-7-97

(This space for Federal or State office use)

PERMIT NO. 43-013-31851 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:

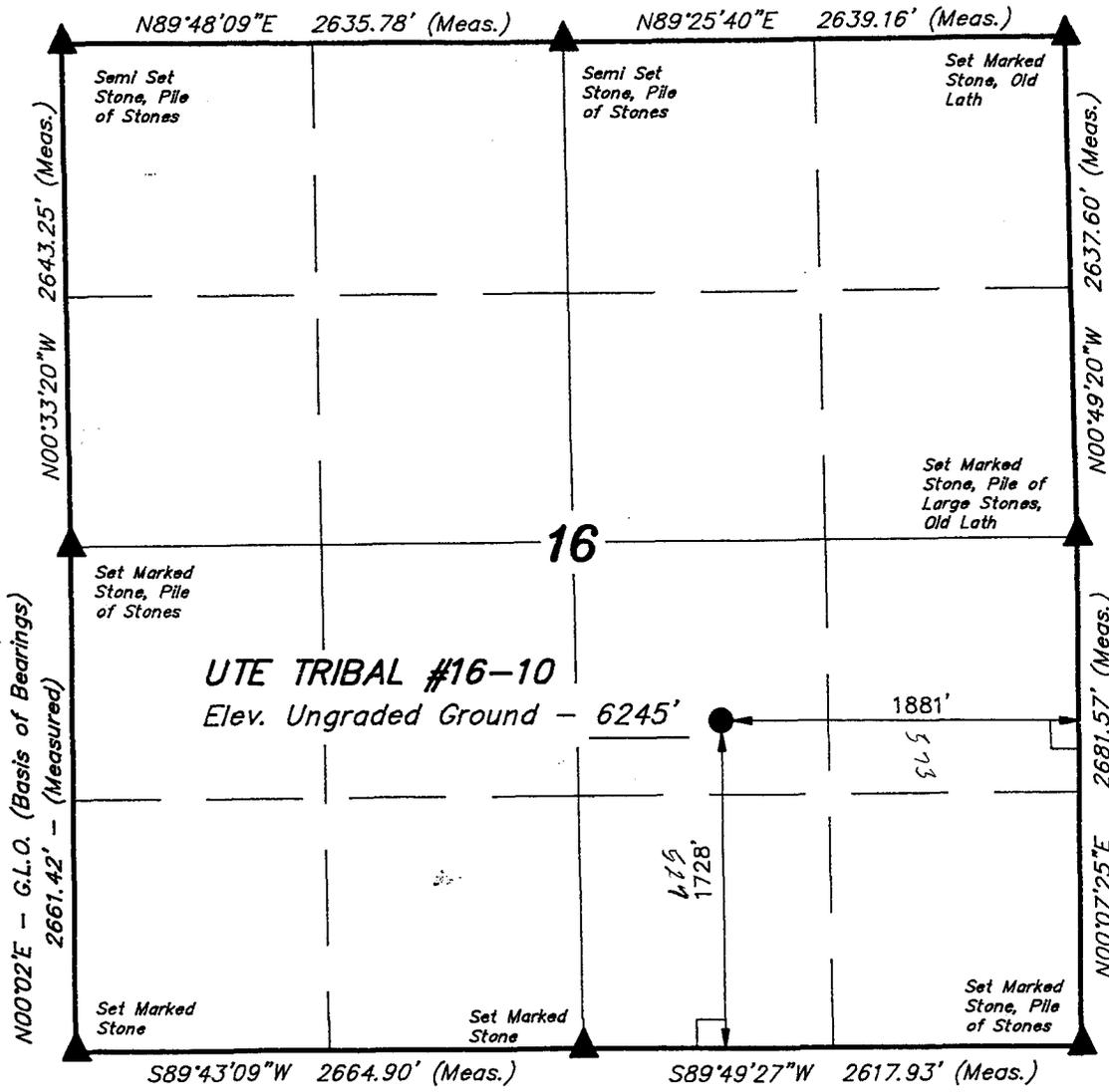
APPROVED BY [Signature] TITLE DATE 3/25/97

*See Instructions On Reverse Side

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

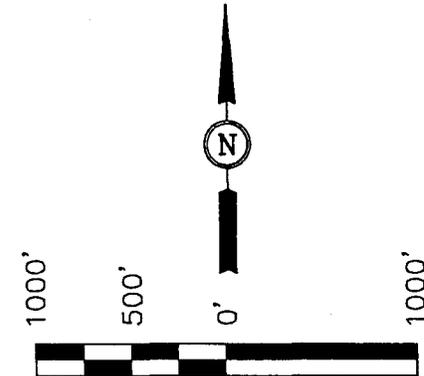
PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #16-10, located as shown in the NW 1/4 SE 1/4 of Section 16, T5S, R3W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6281.9 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. Key
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

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

LEGEND:

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

SCALE 1" = 1000'	DATE SURVEYED: 01-09-97	DATE DRAWN: 01-22-97
PARTY J.F. C.K. D.R.B.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

UTE TRIBAL #16-10
NW/SE SEC. 16, T5S R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2900	3260
"B" Marker	4012	2148
"X" Marker	4491	1669
Douglas Creek	4639	1521
"B" Limestone	5022	1138
B/Castle Peak Limestone	5579	581
Basal Carbonate Limestone	5983	177
Total Depth	6093	67

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	4639	1521
Oil/Gas	B/Castle Peak	5579	581
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

						<u>MINIMUM SAFETY FACTOR</u>		
<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</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' - 6093'	6093'	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 #16-10
NW/SE SEC. 16, 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 #16-10
NW/SE SEC. 16, 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.

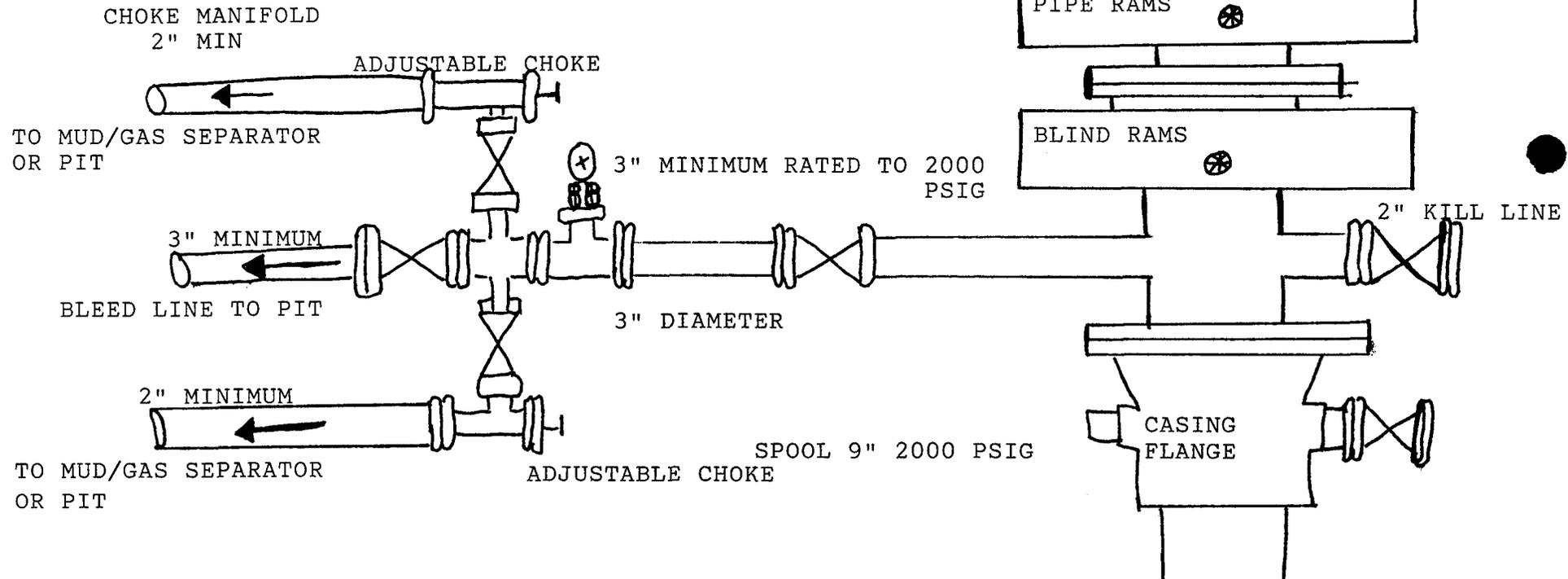
(Attachment: BOP Schematic Diagram)

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 #16-10
Lease Number: BIA 14-20-H62-3511
Location: 1728' FSL & 1881' FEL NW/SE, Sec. 16, T5S R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

- Location Construction - forty-eight (48) hours prior to construction of location and access roads.
- Location Completion - prior to moving on the drilling rig.
- Spud Notice - at least twenty-four (24) hours prior to spudding the well.
- Casing String and Cementing - twenty-four (24) hours prior to running casing and cementing all casing strings.
- BOP and related Equipment Tests - twenty-four (24) hours prior to running casing and tests.
- First Production Notice - within five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

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

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 20.5 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 500 feet 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 - 5*
- 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 500' from proposed location to a point in the SE/SE of Section 16, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline to the Ute Tribal #16-11. 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 Ute Tribal #16-11 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 Southwest side of the location. The flare pit will be located downwind of the prevailing wind direction on the Southwest 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 South end.

Access to the well pad will be from the Southeast.

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 _____

N/A Corner No. will be rounded off to minimize the fill.

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.

3-7-97

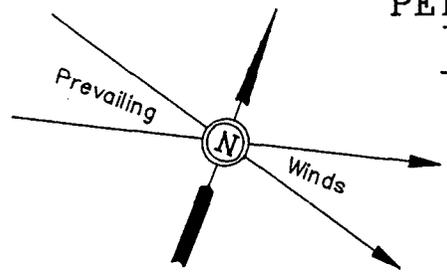
Date



PETROGLYPH OPERATING CO., INC.

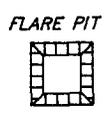
LOCATION LAYOUT FOR

UTE TRIBAL #16-10
SECTION 16, T5S, R3W, U.S.B.&M.
1728' FSL 1881' FEL



SCALE: 1" = 50'
DATE: 01-22-97
Drawn By: D.R.B.

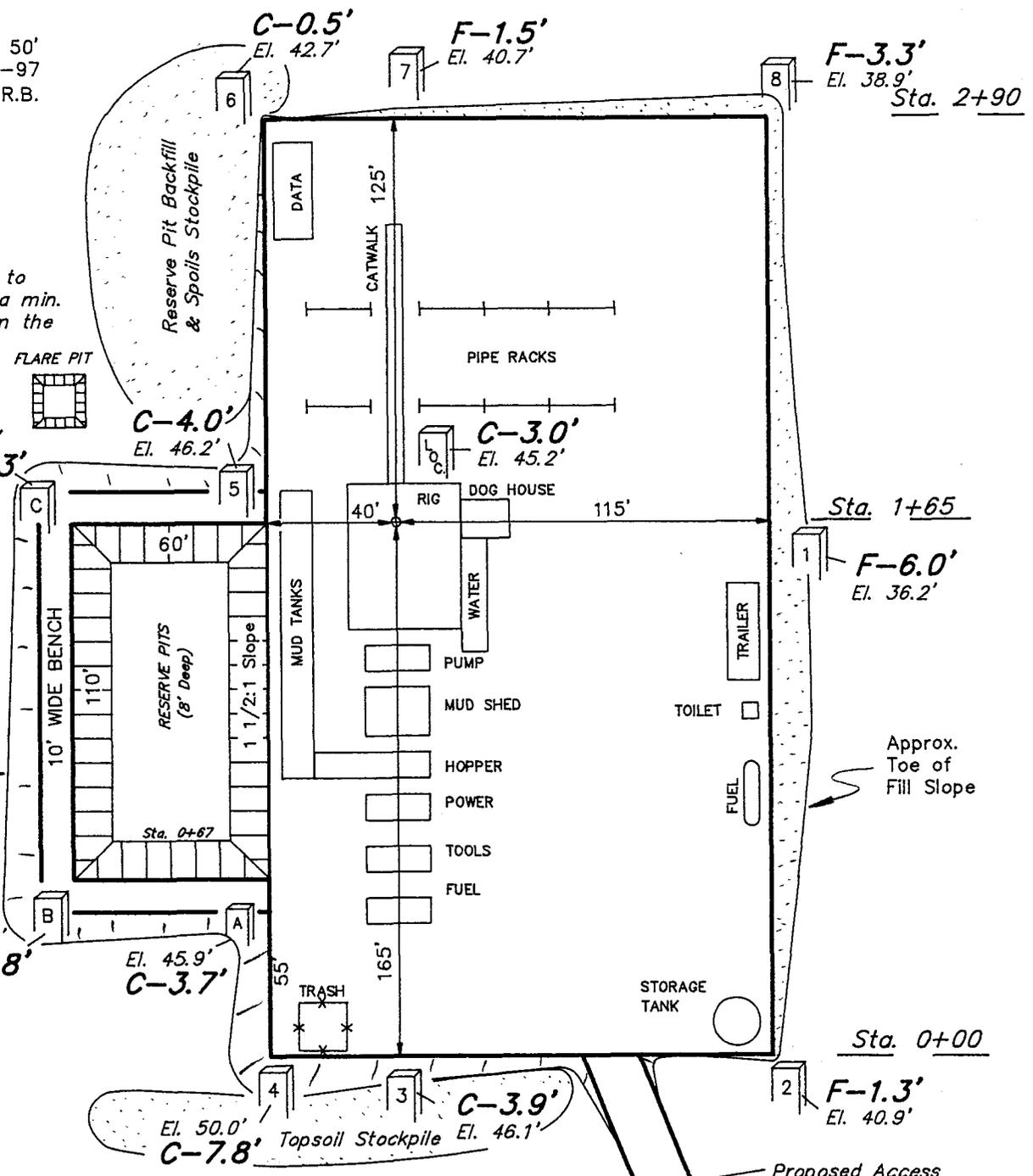
NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.



NOTE:
Pit Capacity W/2' of Freeboard is ±4,600 Bbls.

Approx. Top of Cut Slope

Approx. Toe of Fill Slope



Elev. Ungraded Ground at Location Stake = 6245.2'

Elev. Graded Ground at Location Stake = 6242.2'

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

Proposed Access Road

PETROGLYPH OPERATING CO., INC.

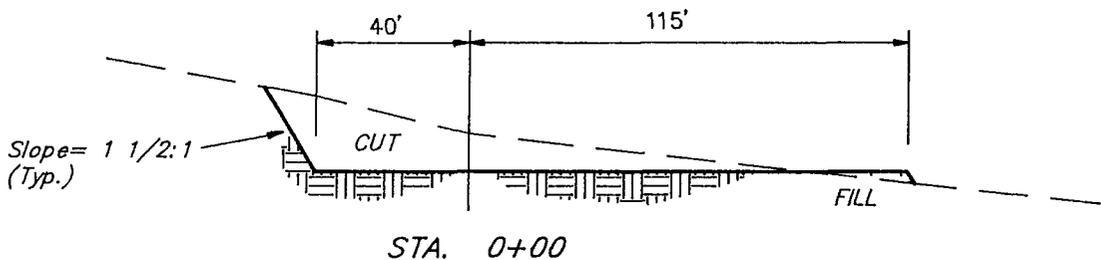
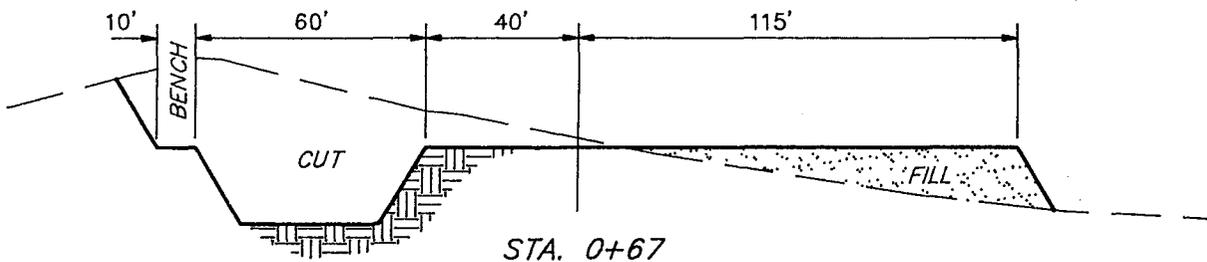
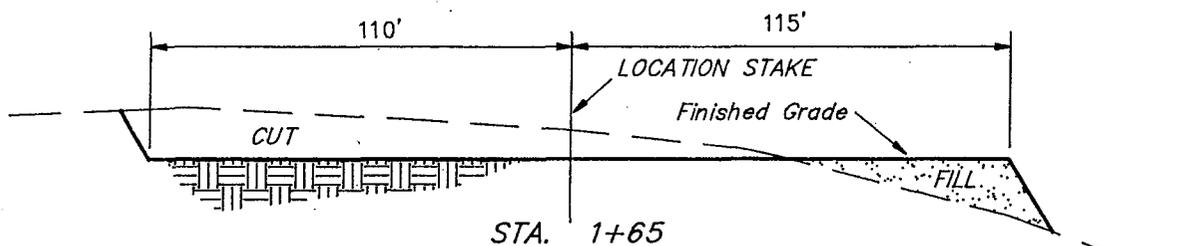
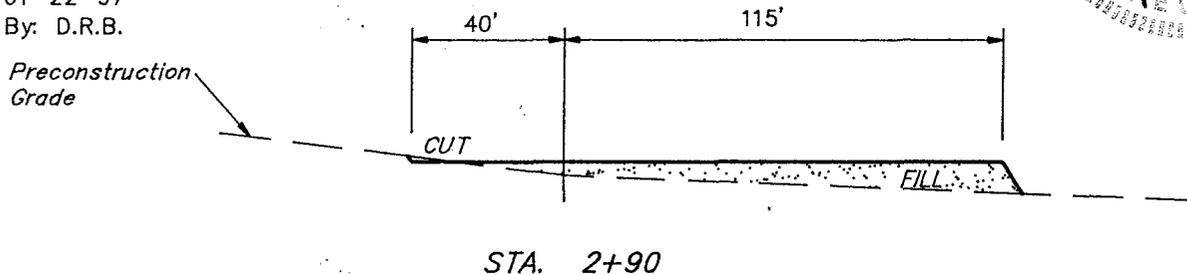
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #16-10
SECTION 16, T5S, R3W, U.S.B.&M.
1728' FSL 1881' FEL



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

DATE: 01-22-97
Drawn By: D.R.B.

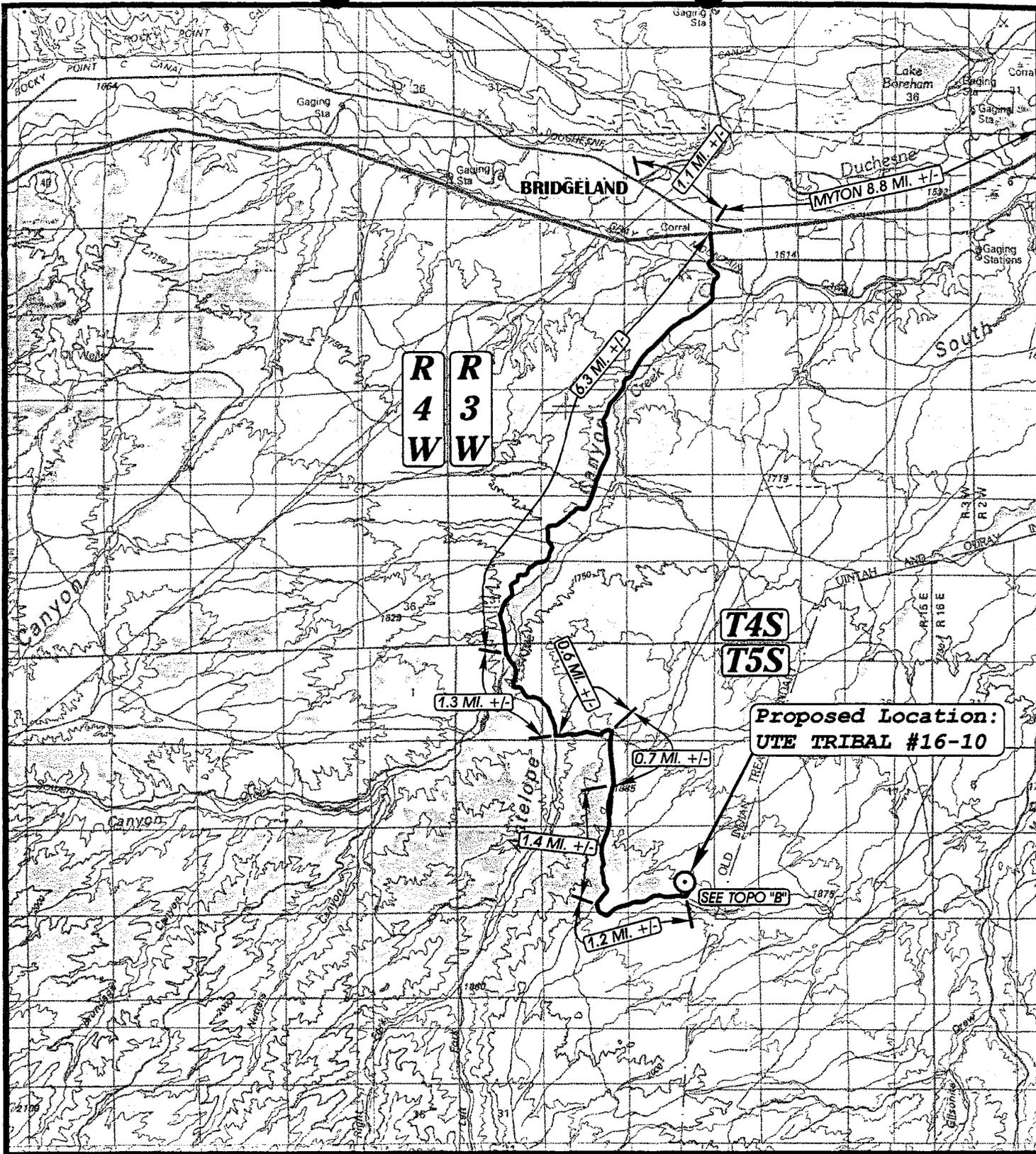


APPROXIMATE YARDAGES

(12") Topsoil Stripping = 1,910 Cu. Yds.
Remaining Location = 4,480 Cu. Yds.
TOTAL CUT = 6,390 CU.YDS.
FILL = 3,590 CU.YDS.

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



UELS

**TOPOGRAPHIC
MAP "A"**

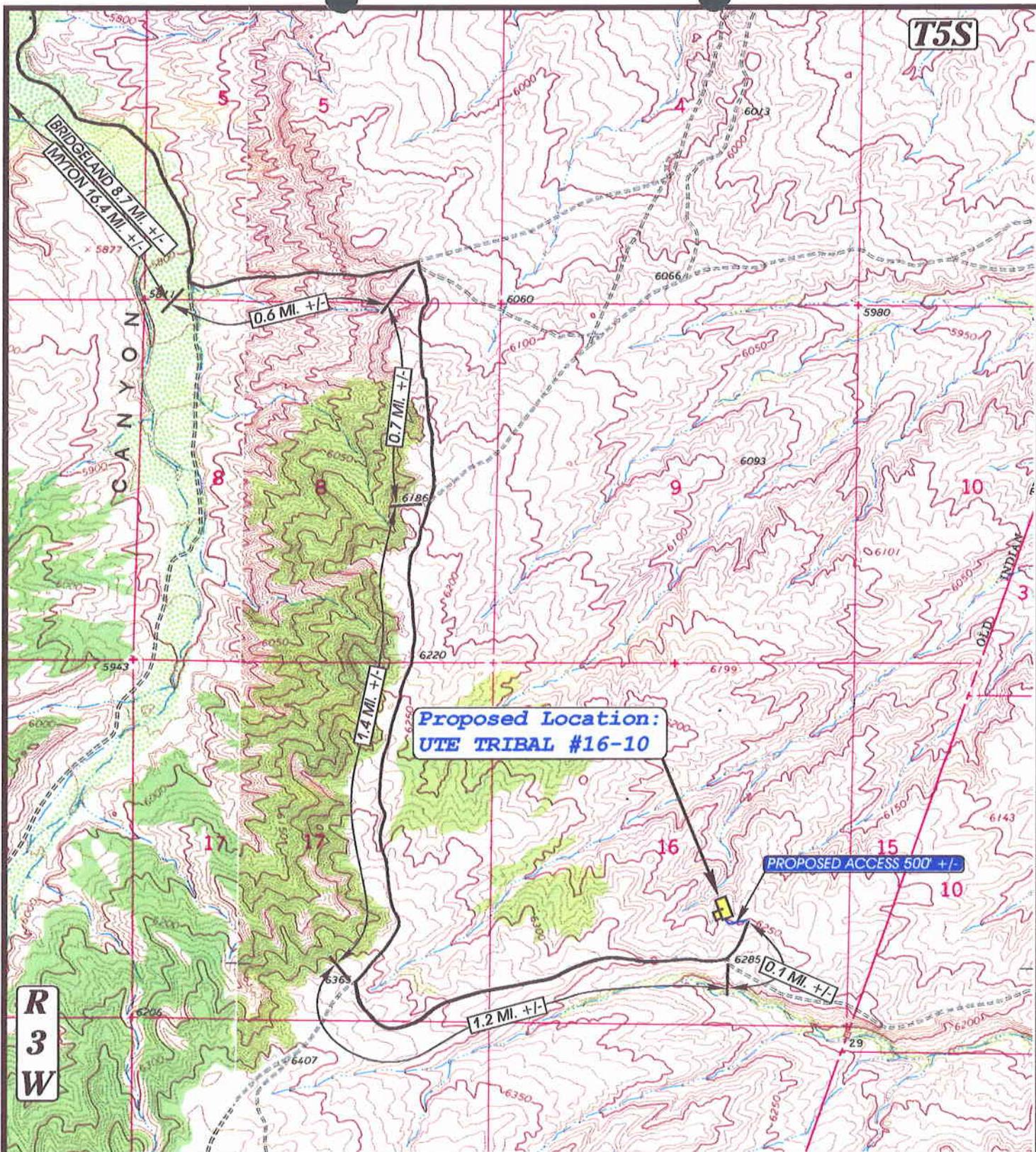
DATE: 1-22-97
Drawn by: D.COX



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #16-10
SECTION 16, T5S, R3W, U.S.B.&M.
1728' FSL 1881' FEL

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



UELS

**TOPOGRAPHIC
MAP "B"**

DATE: 1-22-97
Drawn by: D. COX

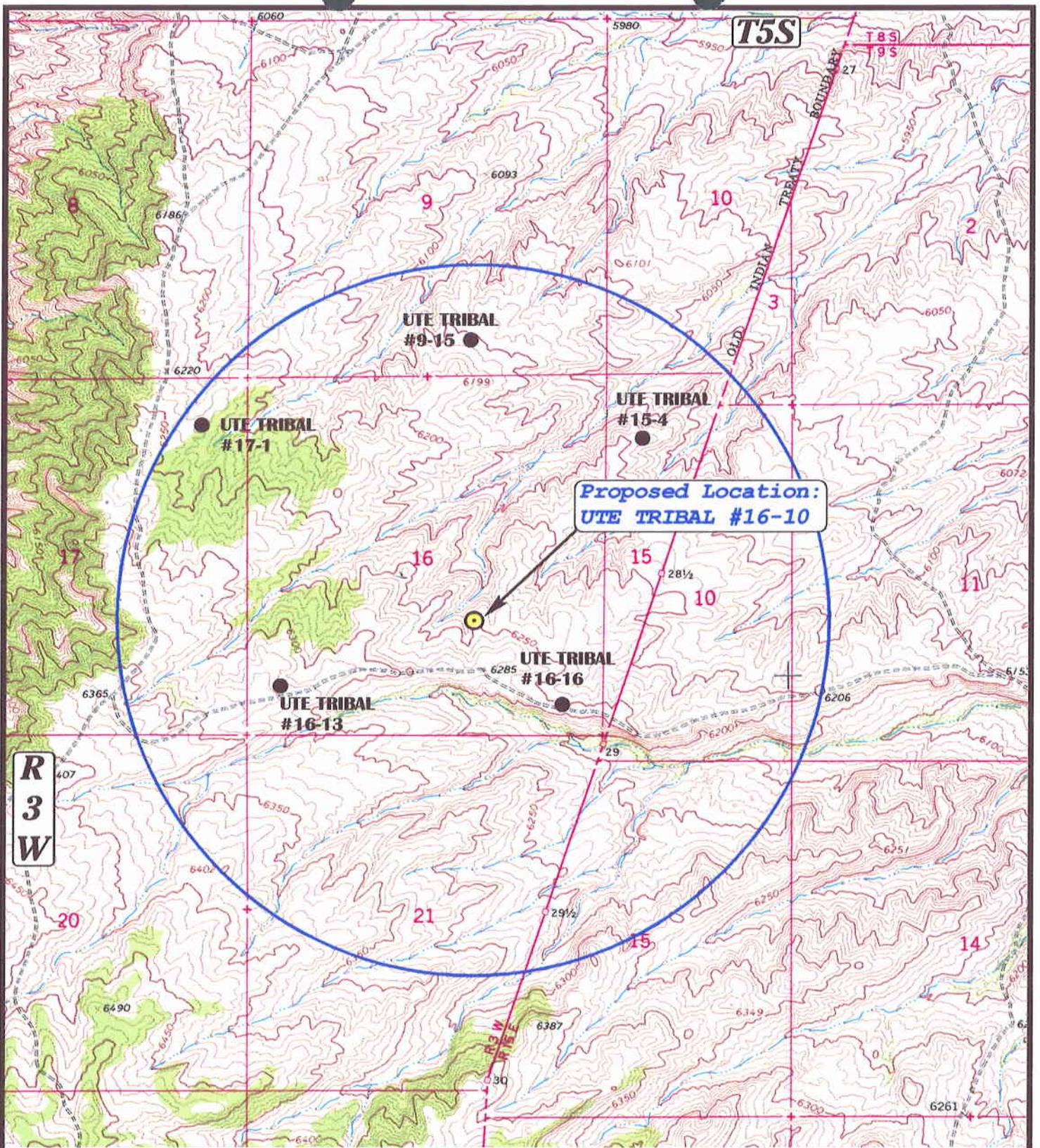


UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

SCALE: 1" = 2000'

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #16-10
SECTION 16, T5S, R3W, U.S.B.&M.
1728' FSL 1881' FEL



**Proposed Location:
UTE TRIBAL #16-10**

**R
3
W**

T5S

LEGEND:

UELS

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



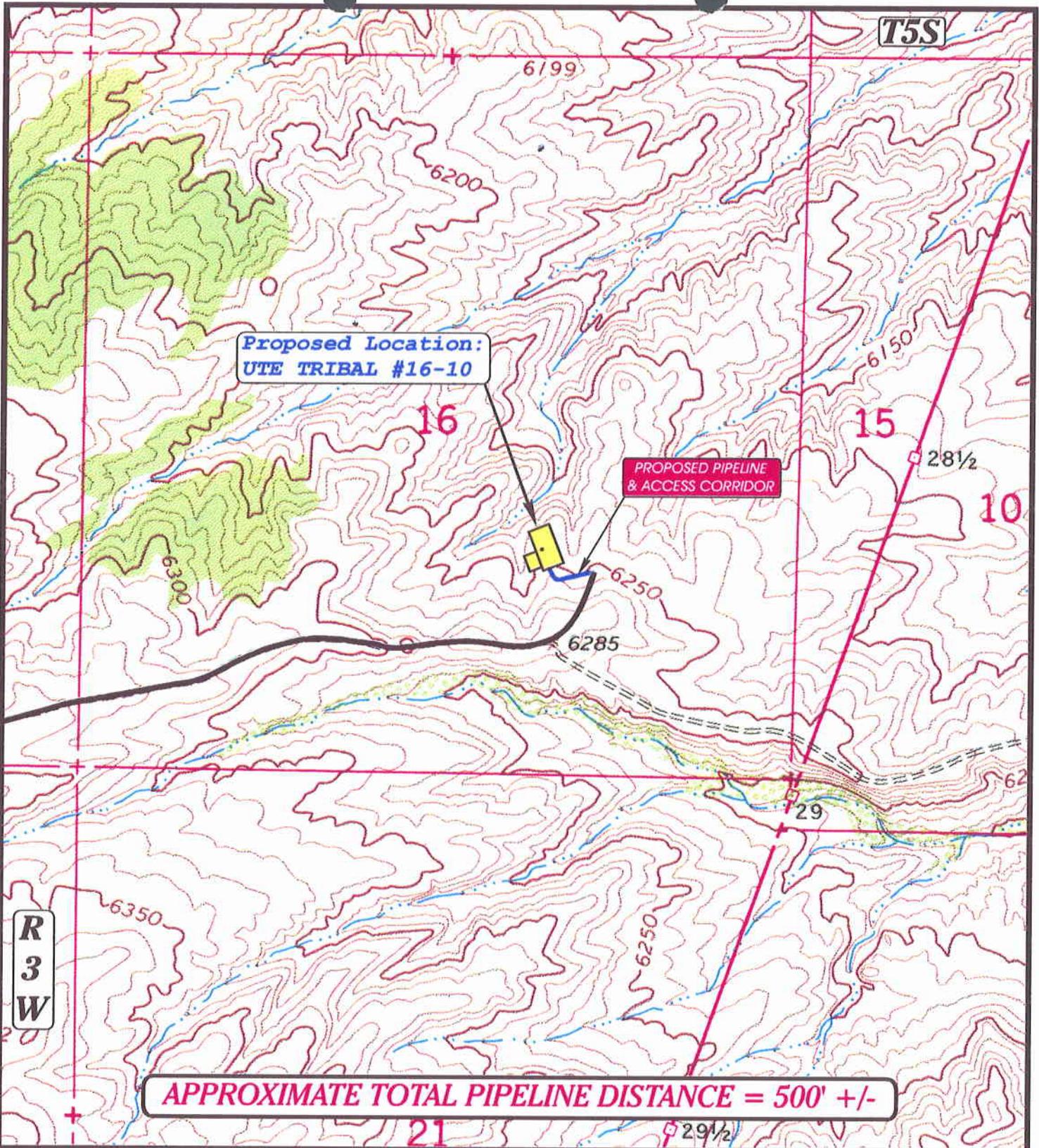
PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #16-10
SECTION 16, T5S, R3W, U.S.B.&M.
TOPOGRAPHIC MAP "C"**

DATE: 1-22-97
Drawn by: D.COX

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

SCALE: 1" = 2000'



APPROXIMATE TOTAL PIPELINE DISTANCE = 500' +/-

**U
E
I
S**

**TOPOGRAPHIC
MAP "D"**

--- Proposed Pipeline Corridor



PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #16-10
SECTION 16, T5S, R3W, U.S.B.&M.**

**DATE: 1-23-97
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: 03/11/97

API NO. ASSIGNED: 43-013-31851

WELL NAME: UTE TRIBAL 16-10
OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:
NWSE 16 - T05S - R03W
SURFACE: 1728-FSL-1881-FEL
BOTTOM: 1728-FSL-1881-FEL
DUCHESNE COUNTY
ANTELOPE CREEK FIELD (060)

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-3511

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
(Number 804556)
 Potash (Y/N)
 Oil shale (Y/N)
 Water permit
(Number 43-10152)
 RDCC Review (Y/N)
(Date: _____)

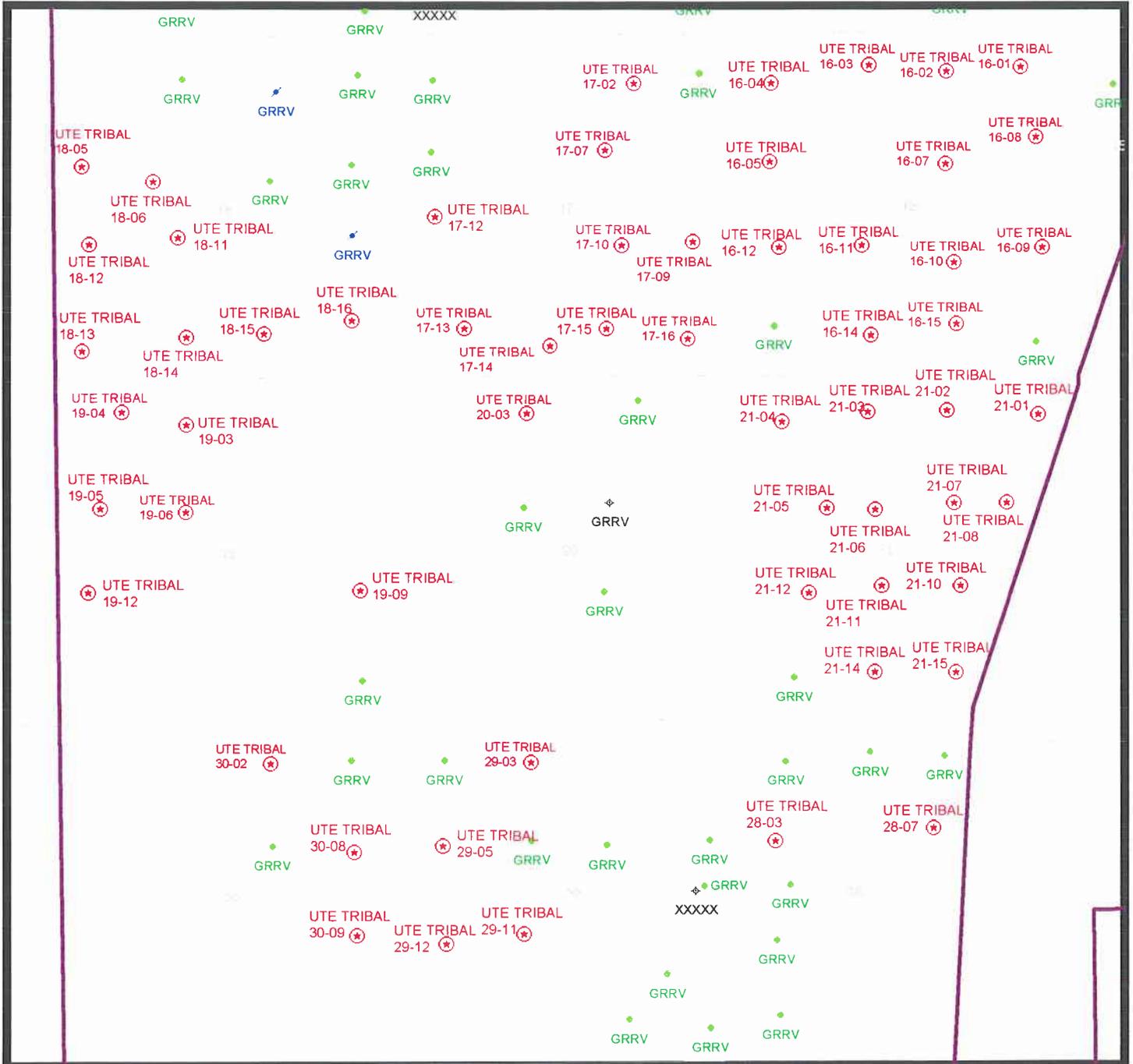
LOCATION AND SITING:

___ R649-2-3. Unit: _____
 R649-3-2. General.
___ R649-3-3. Exception.
___ Drilling Unit.
___ Board Cause no: _____
___ Date: _____

COMMENTS: _____

STIPULATIONS: _____

OPERATOR: PETROGLYPH
FIELD: ANTELOPE CREEK (060)
SEC. TWP. RNG: 16,17,18,19,29,33, T5S, R3W
COUNTY: DUCHESNE
UAC: R649-3-2 & R649-3-3



PREPARED:
DATE: 13-MAR-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)

March 25, 1997

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

Re: Ute Tribal 16-10 Well, 1728' FSL, 1881' FEL, NW SE, Sec. 16,
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 43-013-31851.

Sincerely,


R. J. Firth
Associate Director

lwp

Enclosures

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

Operator: Petroglyph Operating Company, Inc.
Well Name & Number: Ute Tribal 16-10
API Number: 43-013-31851
Lease: 14-20-H62-3511
Location: NW SE Sec. 16 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 R. J. Firth (801)538-5274 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.

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, UT 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface

1728' FSL & 1881' FEL NW/SE

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

20.5 MILES SOUTHWEST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

1728'

(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED TO THIS WELL

40

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

19. PROPOSED DEPTH

6093'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6242.2' GRADED GROUND

22. APPROX. DATE WORK WILL START*

MARCH, 1997

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 ₂ + 1/4 #/sx celloflake.
7 7/8	5 1/2	15.5#	6093'	

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 # BO 4556.

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

RECEIVED
MAR 1 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 3-7-97

(This space for Federal or State office use)

NOTICE OF APPROVAL

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:

CONDITIONS OF APPROVAL ATTACHED

APPROVED BY

[Signature]
U-0802701181

TITLE

ACTING Assistant Field Manager
Mineral Resources

DATE

MAR 24 1997

*See Instructions On Reverse Side

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company Inc.

Well Name & Number: Ute Tribal 16-10

API Number: 43-013-31851

Lease Number: 14-20-H62-3511

Location: NWSE Sec. 16 T.5S R. 3W

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.

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.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 257 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 the top of the cement 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. Two copies 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.

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 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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 onlease 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 and tested for meter accuracy 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 approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenczka (801) 781-1190
Petroleum Engineer

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 USE PROGRAM
Conditions of Approval (COAs)

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.

Fifty (50) foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 22 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 ROW 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.

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.

memorandum

DATE: MAR 17 1997

REPLY TO
ATTN OF:SUBJECT: Superintendent, Uintah & Ouray Agency
Concurrence Letter for PETROGLYPH OPERATING CO. INC.

UT 16-08, SEC. 16, SENE UT 16-09, SEC. 16, NESE UT 16-01 to tie into UT 16-02,
 UT 16-03, SEC. 16, NENW UT 16-10, SEC. 16, NWSE Sec. 16, N/2NE,
 TO: UT 16-07, SEC. 16, SWSE & NESW, UT 16-15, SEC. 16, SWSE
 Bureau of Land Management, Vernal District Office
 Attention: Minerals and Mining Division

RECEIVED

MAR 20 1997

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

Based on available information received on March 17, 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 as a Tribal Technician is to monitor construction.
2. 50 foot corridor rights-of-way shall be granted with the following:
 - A. Buried pipelines shall be buried minimum of 3 feet below soil surface.
 - B. Access roads shall be limited to 22 feet, except as granted for sharp turns.
 - C. Surface pipelines shall be limited to 13 feet wide,.
 - D. Buried pipeline shall be limited to 15 feet wide, and construction will be monitored by Tribal Technician.
3. Pipelines adjacent to access roads shall be buried within 1.5 feet from the outside edge of the barrow ditch. Additional pipelines shall be parallel to each other, as safety requirements will allow.
4. Petroglyph Operating Co. Inc. will assure the Ute Tribe that any/all contractors and any sub-contractors has acquired a Tribal Business License and have an access permits prior to construction.
5. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
6. All mitigative stipulations contained in the Bureau of Indian Affairs, combined 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 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 Co. Inc., so that a Tribal Technician can verify Affidavit of Completions.

Charles H. Cameron

ATTACHMENT: (7) BIA Environmental Analysis, for each location.

DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING

Well Name: UTE TRIBAL 16-10

Api No. 43-013-31851

Section: 16 Township: 5S Range: 3W County: DUCHESNE

Drilling Contractor UNION

Rig # 16

SPUDDED:

Date 4/30/97

Time _____

How ROTARY

Drilling will commence _____

Reported by DEANNA

Telephone # _____

Date: 4/29/97 Signed: JLT

(2)

**STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM**

OPERATOR: PETROGLYPH OPERATING CO COMPANY REP: GENE SEARLE

WELL NAME UTE TRIBAL #16-10 API NO 43-013-31851

QTR/QTR: NW/SE SECTION: 16 TWP: 5S RANGE: 3W

CONTRACTOR: UNION DRILLING COMPANY RIG NUMBER: #16

INSPECTOR: DENNIS L INGRAM TIME: 3:45 PM DATE: 4/30/97

SPUD DATE: DRY: 4/30/97 ROTARY: 4/30/97 PROJECTED T.D.: 6093'

OPERATIONS AT TIME OF VISIT: DRILLING 12 1/4" SURFACE HOLE WITH
AIR.

WELL SIGN: NO MUD WEIGHT 8.3+ LBS/GAL BOPE: NO

BLOOIE LINE: Y FLARE PIT: N H2S POTENTIAL: N

ENVIRONMENTAL:

RESERVE PIT: Y FENCED: Y LINED: Y PLASTIC: Y

RUBBER: _____ BENTONITE: _____ SANITATION: (2)

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: YES,

2100 PSI ON ACCUMULATOR;

REMARKS:

APD IS POSTED IN DOGHOUSE. LAST HOLE WAS UT#16-15, TD ON

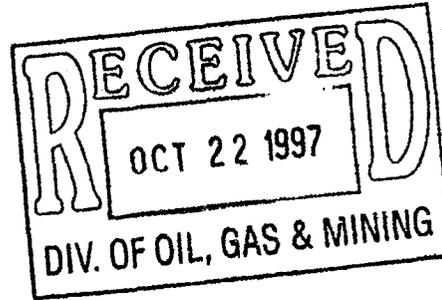
4/29/97 AT 6187' AND RAN 5938' OF 5 1/2" PRODUCTION CASING.

RIG SPUD THIS WELL AT 12:45 PM TODAY. AT PRESENT, THEY HAVE

CONDUCTOR AND ROTATING BOWL FOR DIVERTER.



October 17, 1997



Vicky Dyson
State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple, Ste.1210
Salt Lake City, UT 84114

CONFIDENTIAL

Ms. Dyson:

Enclosed are the logs and completion reports for the below listed wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 29-12	CNL & AIT
Ute Tribal 16-09	CNL & AIT
Ute Tribal 16-10	CNL & AIT 43 013 31851 7053 R03W 16
Ute Tribal 16-02	CNL & AIT

If you need further information, please do not hesitate to call me at 316-665-8500.

Sincerely,

Judy Gates
Petroleum Geology Technician

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 ENTITY ACTION FORM - FORM 6

OPERATOR Petroglyph Operating Company, Inc. OPERATOR ACCT. NO. H 3800
 ADDRESS P.O. Box 607
Roosevelt, UT 84066

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	APP NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
B	12110 99999	12110	43-013-31851	Ute Tribal 16-10	NWSE	16	5S	3W	Duchesne	4-30-97	
WELL 1 COMMENTS: <i>Entity added 9-24-97. See. (Notified operator; confirmed correct assignment).</i> Ute Tribal 16-10 will tie into tank battery at the Ute Tribal 16-11											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
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)

Deanna K. Bell
 Signature Deanna K. Bell
 Operations Coordinator 5-3-97
 Title Date
 Phone No. (801) 722-2531

09/16/97 10:34 FAX 8017229145
 To: Lisha
 From: Deanna
 +++ Lisha Cordova
 001

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: UTE TRAIL # 16-10API number: #43-013-318512. Well Location: QQ _____ Section _____ Township _____ Range _____ County DUCHESNE3. Well operator: Petroglyph

Address: _____

Phone: _____

4. Drilling contractor: Union DrillingAddress: PO DRAWER 40Buckhannon, WUPhone: 304-472-4610

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

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	194	DRY	
194	356	DAMP	NO SAMPLE
356	1159	DRY	
1159		1/8" x 7"	FRESH

6. Formation tops:

Blow TEST @ 530'DRYBlow TEST @ 1360'1/8" x 7"

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

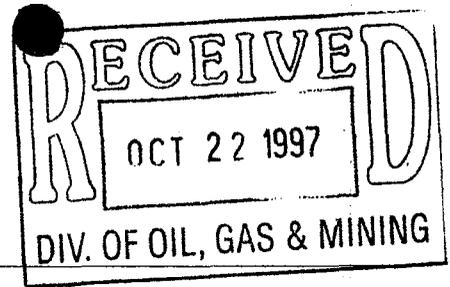
I hereby certify that this report is true and complete to the best of my knowledge.

Date: 5-2-97Name & Signature: CHRIS CHAPMANTitle: DRILLER

COMPLETION REPORT

Petroglyph Operating Co., Inc.

10/15/97



Operator: Petroglyph Operating Company, Inc.

Lease: Ute Tribal 16-10

API #: 43-013-31851

Location: 16 - 5 S - 3 W

County, St.: Duchesne UT

Property: 50147

CONFIDENTIAL

Elevation: KB 6252

GL 6242

AFE/EPE Number: 41315

Activity Date Daily Cost Activity Description

8/8/97 \$203,806.00

Open well. SITP @ 10 psi & SICP @ 150 psi w/EOT @ 5930' & B2 TAC not set from last night. Attempt to set TAC w/no success - circulate 80 bbls 170° F production water down tbg - still not set on TAC. POOH w/TAC & lay down. Appears to have sand in body. RIH w/new TAC. Set TAC. ND BOPS & NU wellhead - land tvg w/10 rod tension. RIH w/pump & rods - seat pump & space out - test to 500 psi. Holding. Long stroke pump w/good actions. Bid service rig & move to Ute Tribal 07-15. Final Report.

Tubing Detail	KB	10.00	
	183 jts 2 7/8" z 6.5# J-55 tbg	5694.06	
	5 1/2" B2 TAC	2.70	5704.06
	4 jnts 2 7/8" x 6.5# J-55 tbg	125.01	
	PSN	1.10	5831.77
	1 jnt 2 7/8" x 6.5# J-55 tbg	31.00	
	MSN	.75	
	6' Perf Sub	6.00	
	2 jnts 2 7/8" x 6.5# J-55 tbg	58.65	
	Bull Plug	.75	
	EOT @		5930.02

Rod Detail	1 1/2 x 22' Polish Rod w/1 3/4" liner
	1 - 7/8" x 4' Pony
	88 - 7/8" slick rods
	145 - 3/4" slick rods
	2 1/2 x 1 3/4 x 16 40 ring P.H. RHAC

8/7/97 \$2,824.00

MIRU. Service rig - with pressure bomb pulled @ earlier date and well ready to run production. ND Wellhead & NU BOPS. Release Pkr & RIH to 5950'. Circulate well clean w/150 bbls prod water. POOH w/tbg & L.D. pkr. RU Schlumberger & run After Frac Gamma Ray Log - (see log for details). RO Schlumberger & RIH w/BHA & B2 TAC - @ ± 1300. TAC set - worked to get free and POOH = found TAC torn up most likely hung up in port collar @ 1308'. RIH w/new B2 TAC & w/EOT @ ± 5930'. Attempt to set TAC - would not set. Will attempt to set in a.m. SWIFN.

145 3/4" slick rods
2 1/2 x 1 3/4" x 16 40 ring PH RHAC

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6252

Well: Ute Tribal 16-10

GL 6242

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

7/23/97	\$22,442.00	
---------	-------------	--

Open well. SICP @ 0 psi. RU HES & frac E3.3 zone @ 5806 - 5826 w/ .5 to 10 ppg. MTP @ 2120 psi. ATP @ 1750 psi. MTR @ 21.4 bpm. ATR @ 20.4 bpm. ISIP @ 1785 psi. 5 min @ 1632 psi. Flow well to tank @ ±60 bph to 0 psi. Flowed 2 hrs & 15 min. TWR @ 135 bbls. RIH w/ tbg & tag sand @ 5975'. Clean out to 6040'. Circ out junk from bottom of hole ballsealers, etc. LD 4 jts & w/ EOT @ 5915' & PSN @ 5884'.

RU & swab well. Made 9 runs. IFL @ surf. FFL @ 2000'. MOC @ 2%. TWR @ 75 bbls. Having problems getting swab down due to possible junk in tbg. RU & circ clean w/ K wtr & circ out chunks of rubber (pkr & plug) RIH w/ sinker bars to PSN. No plug in tbg. SWIFN.

FLUID RECOVERY

ZONE BLF:	757
ZONE BLFR:	356
ZONE BLFTR:	401
ZONE % REC:	47%
WELL BLF:	757
WELL BLFR:	356
WELL BLFTR:	401
WELL % REC:	47%

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6252

Well: Ute Tribal 16-10

GL 6242

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

7/22/97	\$1,710.00	PERFORATIONS: 5806-5826 Green River E (03.3) 4 SPF 80 shots
		WELLBORE: 6188 RTD 6184 LTD 6125 PBTD 6170 CSA

MIRU Duco Well Service. W/ BHP test done & being analyzed by HES, ND WH & NU frac head & BOPs. RU pump & lines. POOH w/ 2-7/8" tbg (192 jts) & prep to frac E3.3 zone in a.m.

FLUID RECOVERY

ZONE BLF:	210
ZONE BLFR:	131
ZONE BLFTR:	79
ZONE % REC:	62.4%
WELL BLF:	210
WELL BLFR:	131
WELL BLFTR:	79
WELL % REC:	62.4%

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6252

Well: Ute Tribal 16-10

GL 6242

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

6/10/97	\$900.00	PERFORATIONS: 5806-5826 Green River E (03.3) 4 SPF 80 shots
		WELLBORE: 6188 RTD 6184 LTD 6125 PBTD 6170 CSA

Open well w/ E3.3 zone swbd to 3100' w/ no sign of oil or gas. This am SITP @ 0 psl & SICP @ 0 psl. RU @ swab well. Made 12 runs. IFL @ 3100' TWR @ 51 bbls. FFL @ 5500'. Trace of oil only. RD swab & RU Echometer for 10 day buildup test. Will RD in am if Echometer still operational.

TUBING DETAIL	LENGTH	DEPTH
KB	10.00	
2-7/8" x 6.5# J55 tbg (191 jts)	5947.93	
PSN	1.20	5957.93
2-7/8" x 6.5# J55 tbg (1 jt)	31.31	
EOT		5990.44

FLUID RECOVERY

ZONE BLF:	120
ZONE BLFR:	86
ZONE BLFTR:	34
ZONE % REC:	71.7%
WELL BLF:	210
WELL BLFR:	131
WELL BLFTR:	79
WELL % REC:	62.4%

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6252

Well: Ute Tribal 16-10

GL 6242

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

6/9/97	\$1,540.00	PERFORATIONS: 5806-5826 Green River E (03.3) 4 SPF 80 shots WELLBORE: 6188 RTD 6184 LTD 6125 PBTD 6170 CSA
--------	------------	--

Open well w/ E3.3 zone acidized & swbd to 5200' w/ no oil cut last pm. This am SITP @ 90 psi. RU & swab well. Made 2 runs. IFL @ 4000' (1200' entry). FFL @ 5200'. No sign of oil or gas.

RD swab. Rel RTTS & POOH. LD RTTS & ND frac head & BOPs. NU tbg flange & RIH w/ 2-7/8" tbg w/ PSN open ended to 6010'. RU & swab well. IFL @ 1300'. Made 7 runs. IFL @ 3100'. Not able to get down w/ swab past 5100'. RIH w/ parafin knife. Could not get past 5200'. Pump 34 bbls K wtr down tbg. RIH w/ knife. Found ballsealers in knife. Made bar run to 6000'.

ND WH & LD 1 jt tbg. NU WH & resume swabbing. Made 4 more runs. FFL @ 3100'. TWR swabbing today @ 35 bbls after rel RTTS & pumping to clean out tbg. SWIFN.

BHP = 871 psi = .15 psi/ft

STIMULATION TREATMENT:

FLUID RECOVERY

ZONE BLF:	120
ZONE BLFR:	35
ZONE BLFTR:	85
ZONE % REC:	29.2%
WELL BLF:	210
WELL BLFR:	80
WELL BLFTR:	130
WELL % REC:	38.1%

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6252

Well: Ute Tribal 16-10

GL 6242

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

6/7/97	\$1,346.00	PERFORATIONS: 5806-5826 Green River E (03.3) 4 SPF 80 shots
		WELLBORE: 6188 RTD 6184 LTD 6125 PBTD 6170 CSA

Open well w/ E3.3 zone acidized & flowed to 0 psi on 6/6/97. This am SICP @ 0 psi & SITP @ 0 psi. RU to swab well. Could not get past 600'. Made a bar run to 3000'. Made no go run to 3000'. Resumed swabbing. Made 11 runs. IFL @ surf. TWR @ 35 bbls. No sign of oil or gas. Ph @ 1 still low from HCL. FFL @ 5200'. Last 2 runs made @ 1 hr intervals & had no fluid entry. SWIFN.

FLUID RECOVERY

ZONE BLF:	90
ZONE BLFR:	45
ZONE BLFTR:	45
ZONE % REC:	50%
WELL BLF:	90
WELL BLFR:	45
WELL BLFTR:	45
WELL % REC:	50%

SUBMIT IN DUPLICATE
(See other instructions on
reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3511

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

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

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
Petroglyph Operating Company, Inc.

9. WELL NO.
Ute Tribal 16-10

3. ADDRESS OF OPERATOR
P.O. Box 607, Roosevelt, UT 84066 (801) 722-2531

CONFIDENTIAL
PERIOD
EXPIRES
ON 9-8-98

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1728' FSL 1881' FEL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NWSE Sec. 16-T5S-R3W

At top prod. interval reported below

CONFIDENTIAL

At total depth 6187' RTD

14. PERMIT NO. 43-013-31851
DATE ISSUED 3/25/97

12. County or Parish Duchesne
13. State Utah

15. DATE SPUDDED 4/30/97
16. DATE T.D. REACHED 5/7/97
17. DATE COMPLETED (Ready to prod.) 8/8/97
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6242' GL
19. ELEV. CASINGHEAD 6242

20. TOTAL DEPTH, MD & TVD 6187' RTD
21. PLUG BACK T.D., MD & TVD 6124'
22. IF MULTIPLE COMPL., HOW MANY*
23. INTERVALS DRILLED BY
24. ROTARY TOOLS
25. CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)*
25. WAS DIRECTIONAL SURVEY MADE

Green River

26. TYPE ELECTRIC AND OTHER LOGS RUN
CNL, AIT 10-22-97

27. WAS WELL CORED

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	342'	12-1/4"	200 sxs Type 5	
5-1/2"	15-5#	6170'	7-7/8"	90 sxs Highfill	
				305 sxs Thixotropic	

LINER RECORD				TUBING RECORD			
SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5930'	

31. PERFORATION RECORD (Interval, size and number)
E3.3 5806-26 (80 holes)
CONFIDENTIAL

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5806-26'	8940 gal Boragel, 50900# 20/40 prop

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)			WELL STATUS (Producing or shut-in)		
8/10/97		2 1/2" x 1-3/4" x 16' 40 ring RHAC pump			producing		
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
8/17/97	24			10	80	4	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	150						

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

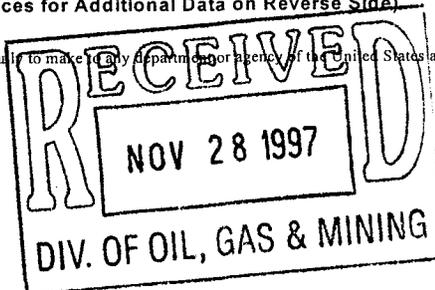
35. LIST OF ATTACHMENTS

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

Signed Kearna Bell Title Operations Coordinator Date 11-25-97

*(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.



CONFIDENTIAL

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, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
B Marker	4100		CONFIDENTIAL			
X Marker	4592					
Y Marker	4627					
Douglas Creek	4737					
B Limestone	5115					
Basal Carbonate	5670					

38. GEOLOGIC MARKERS

SUBMIT IN DUPLICATE
(See other instructions on
reverse side)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3511

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

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

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

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
PETROGLYPH OPERATING COMPANY, INC.

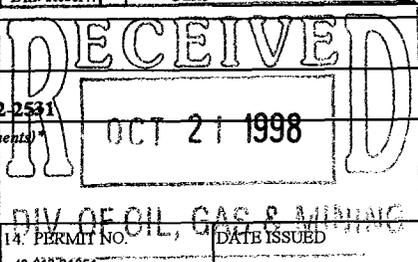
9. WELL NO.
Ute Tribal 16-10

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

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

4. LOCATION OF WELL, (Report location clearly and in accordance with any State requirements)*
At surface 1728' FSL 1881' FEL

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NWSE Sec. 16-T5S-R3W



14. PERMIT NO. 43-013-31851

12. County or Parish
Duchesne

13. State
Utah

At top prod. interval reported below

At total depth

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPLETED (Ready to prod.) 9/29/98 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 3 23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Green River E3, D3.4, D3.3, C8.2, C8.1

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELBCTRIC AND OTHER LOGS RUN
Gamma Ray to surface, Density-Compensated Neutron Porosity, AIT (normal suite)

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)				CEMENTING RECORD		AMOUNT PULLED
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE			

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCRIBEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number) CONFIDENTIAL D3.4 5324-28' (16 holes) D3.4 5255-57' (8 holes) D3.3 5217-23' (24 holes) C8.2 5022-24' (8 holes) C8.1 4986-91' (20 holes)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5255-57' & 5324-28'	5537 gals Delta frac, 10000# 20/40 prop, 11000# 16/30 prop	
5217-23'	6570 gals Delta frac, 10000# 20/40 prop, 11000# 16/30 prop	
4986-91' & 5022-24'	5500 gals Delta frac, 10000# 20/40 prop & 11400# 16/30 prop	

33. PRODUCTION							
DATE FIRST PRODUCTION returned to prd 9/29/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2" x 1-3/4" x 16' 40 ring PA pump			WELL STATUS (Producing or shut-in) producing		
DATE OF TEST 10/6/98	HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL. 40	GAS - MCF. 45	WATER - BBL. 63	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE 800	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Sold, used for fuel

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 A. Jeanne Bell Title Operations Coordinator Date 10/16/98

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



Petroglyph Energy, Inc.

4116 West 3000 So. Ioka Lane 435 722-2531
P.O. Box 607 435 722-9145 fax
Roosevelt, UT 84066

December 7, 2000

Mr. Chuck Williams
U.S. Environmental Protection Agency
UIC Implementation Section, 8 P2-W-GW
999 18th Street Suite 500
Denver, CO 80202-2466

RE: EPA Permit No. UT2736-04503
Ute Tribal 216-10 16-10
NW SE Section 16-T5S-R3W, Duchesne County, Utah

Dear Mr. Williams:

In accordance with the regulations stated under Part II.C.2 that pertain to the above referenced permit, the following conditions have been fulfilled and are enclosed:

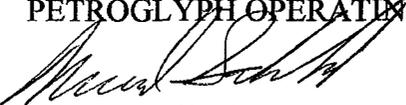
Well Rework Record (EPA Form 7520-12)
Pore pressure of the above referenced well is estimated to be 2156 psi
Mechanical Integrity Test (EPA Form) has been successfully completed

Estimated pore pressures would, be calculated as follows. Zone E1 in Ute Tribal 16-10 is perforated at a depth of 5806-26'' and estimated to be less than or equal to 2156 psi based on .37 psi pressure gradient.

I am requesting approval to inject fluids at the earliest possible date. If you have any questions or need additional information, please contact me at (435) 722-2531.

Sincerely,

PETROGLYPH OPERATING COMPANY, INC.


Micheal Safford
Operations Coordinator

Pc: KS-POCI

RECEIVED

DEC 19 2000

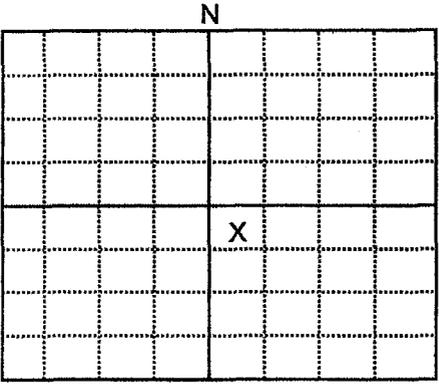
DIVISION OF
OIL, GAS AND MINING

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, DC 20460

EPA

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 UT2736-04503
	SURFACE LOCATION DESCRIPTION NW 1/4 OF SE 1/4 SECTION 16 TOWNSHIP 5S RANGE 3W		
	LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface Location 1728 ft. from South Line of quarter section and 1881 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 6187 Total Depth After Rework 6187 Date Rework Commenced 10/17/2000 Date Rework Completed 10/20/2000	TYPE OF PERMIT <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 1 Well Number Ute Tribal 16-10
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#	342	200	Type 5	5255	5257	5537 gal Delta frac 10000# 20/40 prop, 11000# 16/30 prop 6570 gal Delta frac 10000# 20/40 prop, 11000# 16/30 prop 5500 gal Delta frac, 10000# 20/40 prop, 11400# 16/30 prop
5-1/2" 15.5	6170	395	90 sxs hifill	5324	5328	
			305 sxs thixotropic	5217	5223	
				4986	4991	
				5022	5024	

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

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	Log Types	Logged Intervals
	Complete as injection w/ 2-3/8" @ 4443'. Set pkr, test annulus. Performed M.I.T. test.	CNL, AIT, CBL

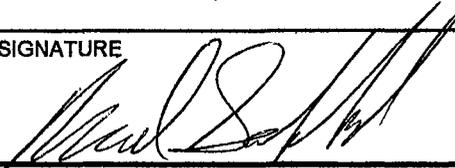
CERTIFICATION

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).

RECEIVED

DEC 19 2000

DIVISION OF OIL, GAS AND MINING

NAME AND OFFICIAL TITLE (Please type or print) Micheal Safford Operations Coordinator	SIGNATURE 	DATE SIGNED 12-7-00
---	---	----------------------------

Ute Tribal 16-10

Page 2 Treatment record

Perforations		Acid or Fracture
From	To	Treatment Record
5324	5328	perf with 120 deg phasing 4 spf
5255	5257	perf with 120 deg phasing 4 spf
5217	5223	perf with 120 deg phasing 4 spf
5022	5024	perf with 120 deg phasing 4 spf
4986	4991	perf with 120 deg phasing 4 spf
4944	4947	perf with 120 deg phasing 4 spf
4542	4547	perf with 120 deg phasing 4 spf
4944	4947	attempted to frac got 900# 20/40 prop into formation
4986	4991	frac with remaining prop from above perf 10420# 20/40 prop and 11300#
5022	5024	16/30 prop ISIP 2540
4542	4547	frac with 15000# 20/40 prop & 19700# 16/30 prop ISIP 2285
5324	5328	treat with 504 gallons 15% HCL and additives
5217	5223	treat with 500 gallons 15% HCL and additives
5255	5257	treat with 500 gallons 15% HCL and additives

RECEIVED

DEC 19 2000

DIVISION OF
OIL, GAS AND MINING

**Ute Tribal 16-10
Wellbore Diagram
After Conversion**

12/7/2000

Well History:

4/30/1997 Spudded well
 8/10/1997 First Production
 9/22/1998 Recompletion

6/6/1997 E3.3 perms, 5806-5826', 4 spf.
 Broke down with acid. ISIP
 1380 psi. Followed on 7/23/97,
 E3.3 zone fractured with 14,905
 gals X-linked gelled water and 50,900#
 sand. ISIP 1785 psi.

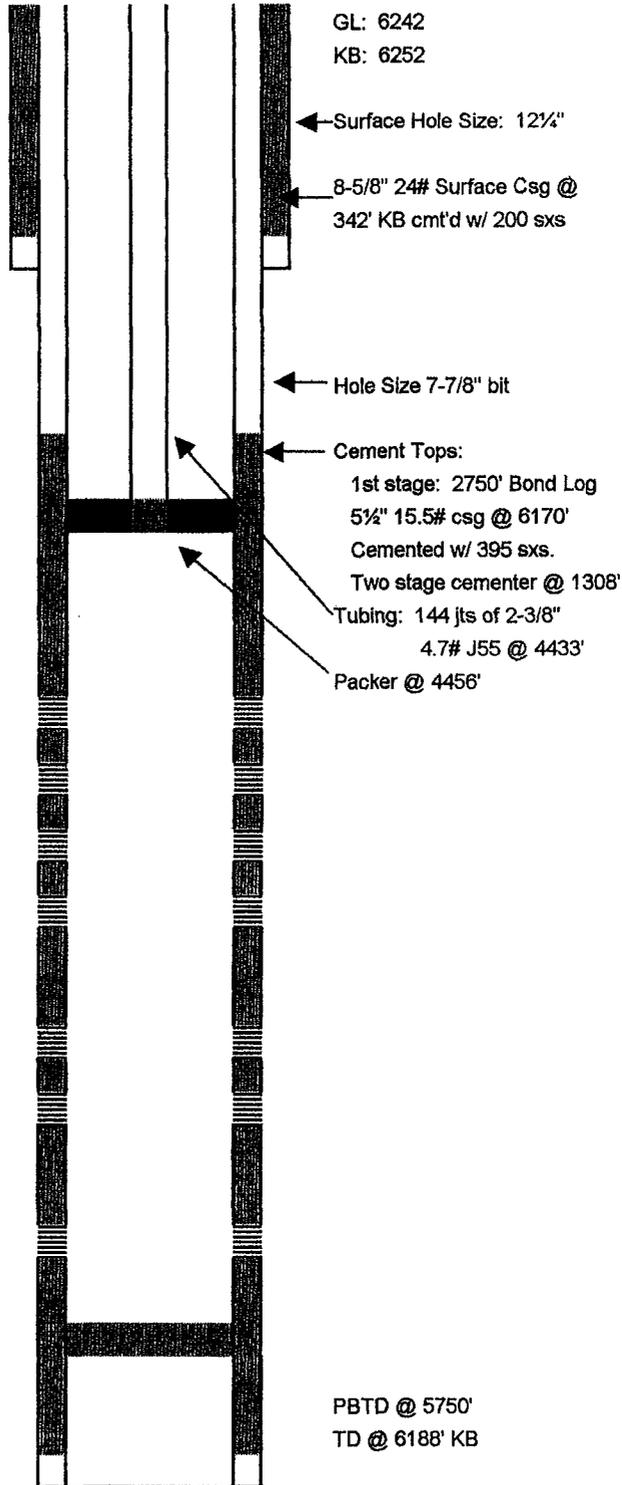
9/23/1998 Set CIBP @ 5750'.

9/25/1998 D3.4 perms, 5255-5257' & 5324-5328',
 4 spf. Broke down with acid, followed
 with 10,253 gals X-linked gelled water
 and 21,000# sand. ISIP 2500 psi.

9/25/1998 D3.3 perms, 5217-5223', 4 spf. Broke
 down with acid, followed with 11,173
 gals X-linked gelled water and 21,000#
 sand. Screened out 17,000# in zone.
 ISIP: not available due to screenout.

9/25/1998 C8.1 & C8.2 perms, 4986-4991' & 5022-
 5024', 4 spf. Broke down with acid,
 followed w/10,827 gals X-linked gelled
 water and 21,400# sand.
 ISIP 2165 psi.

Workover pending B11 perms, 4542-4545' &
 C5 perms, 4782-4790'
 ISIP at a later date.



Petroglyph Operating Co., Inc. Ute Tribal 16-10 1728' FSL & 1881' FEL NW SE, Section 16-T5S-R3W Antelope Creek Field Duchesne Co, Utah Lease #14-20-H62-3511 API #43-013-31851

(Not to Scale)

RECEIVED

DEC 19 2000

DIVISION OF
 OIL, GAS AND MINING

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 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 10/28/00
 Test conducted by: CHAD STEVENSON
 Others present: CLIFF ATWOOD

Well Name: <u>UTE TRIBE 16-10</u>	Type: ER SWD	Status: AC TA UC
Field: <u>ANTELOPE CREEK</u>		
Location: <u>16-10</u> Sec: <u>T</u> N/S R <u>E/W</u> County: <u>Duchesne</u> State: <u>UTAH</u>		
Operator: <u>PEROGLYPH OPERATING</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 If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 1750/400 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>400</u> psig	psig	psig
End of test pressure	<u>400</u> psig	psig	psig
CASING/TUBING ANNULUS PRESSURE			
0 minutes	<u>1750</u> psig	psig	psig
5 minutes	<u>1750</u> psig	psig	psig
10 minutes	<u>1750</u> psig	psig	psig
15 minutes	<u>1750</u> psig	psig	psig
20 minutes	<u>1750</u> psig	psig	psig
25 minutes	<u>1750</u> psig	psig	psig
30 minutes	<u>1750</u> psig	psig	psig
<u>24 Hours</u> minutes	<u>1690</u> psig	psig	psig
minutes	psig	psig	psig
RESULT	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail	<input type="checkbox"/> Pass <input type="checkbox"/> Fail

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

RECEIVED

DEC 19 2000

(over)
DIVISION OF
OIL, GAS AND MINING

WORKOVER REPORT

11/2/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.	Elevation: KB 6252
Lease: Ute Tribal 16-10	GL 6242
API #: 43-013-31851	Property: 50147
Location: 16 - 6 S - 3 W	AFE/EPE Number: 41315
County, St.: Duchesne UT	Event Type: convert to injector

Activity Data Daily Cost Activity Description

10/23/00 \$11,947.00

7 AM resume P00H LD 2 7/8" N-80. Wall kicking. Circ to kill. Resume P00H & LD 2 7/8" N-80. 183 jts on trailer. Chang over to 2 3/8". PU 5.5" Hydro I w/ 2 3/8" pup & 2 3/8" F nipple. RIH w/ 2 3/8" BHA & 2 3/8" tbg. Stap & rabbit to 4450'. RD floor & change BOP to 2 7/8". ND BOP pump pkr fluid & set hydro I @ 4450'. Test tbg to 2300', 20 min okay. NU well head & test csg to 1800 psi for 45 min, okay. RU & retrieve F plug. Change to rods. RD pump & lines. RD unit. Pollice location. Total 4432' 144 jts 2 3/8".

TUBING DETAIL

	LENGTH	DEPTH
KB	10.00	10.00
144 2 3/8" TBG	4432.68	4442.68
5.5" Hydro I pkr	8.50	4451.18
2 3/8" pup sub	4.02	4455.20
2 3/8" F nipple	0.87	4456.07
EOT		4456.07

10/20/00 \$7,232.00

7 AM RIH from above perms. Set BV @ 5350' & RTTS @ 5340'. Test tools to 3000 psi. Release RTTS @ 5278'. Spot 500 gal 16% HCl w/chem. Set RTTS & pump job. Release RTTS & move to 5203'. Spot 500 gal chem & pump job. See detail. Release RTTS & reverse out for possible sand. Set RTTS @ 5203'. RU & swab D7 & D3.4. IFL @ surface. FFL @ 4900'. 12 runs 66 bbbs recovered, pH6.0-4+. Fill tbg w/ treated wtr. Release RTTS & RIH circ off 2' fill @ 5348' to BV @ 5350' & release BV. P00H w/ 2 7/8" tbg. LD 70 jts tbg. Secure well @ 8 PM.

STIMULATION TREATMENT D07 5324-28'

Fluid: 12 bbbs acid & chemical
26 bbbs flush

Max press/rate: 2500 psi @ 0.31 BPM
Avg press/rate: 1900 psi @ 0.279 BPM
Well BLFTR: 44

STIMULATION TREATMENT D7 5324-28' & D3.4 5217-23 & 5255-57'

Fluid: 12 gal acid & chem, 32 gal flush

Max press/rate: 2200 psi @ 0.75 BPM
Avg press/rate: 2050 psi @ 0.75 BPM

ISIP: 2050
5 min: 1100
10 min: 800
15 min: 350

RECEIVED

DEC 19 2000

DIVISION OF
OIL, GAS AND MINING

WORKOVER REPORT

Petroglyph Operating Co., Inc.

11/2/00

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6252

Well: Ute Tribal 16-10

GL 6242

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

10/19/00 \$46,868.00

7 AM RU BJ & spot acid on C6 perms. Try to break down & frac. No break. Release tools & reseat @ BV 4610' & RTTS @ 4496'. Spot acid & frac B11. Bleed off frac. Recovered 100 bbls. Circ 7 clean out 45' sand to BV @ 4610'. Release tools & move & set BV @ 4970' & RTTS @ 4886'. Try to frac C6 & screened out. Release RTTS & circ clean. RIH & circ off BV @ 4970' & release. Set BV @ 5070' & RTTS @ 4886'. Frac C8.1, C8.2, & C6 together. Bleed off & flow back 20 bbls. Release RTTS & clean off BV & release. PDDH above perms. Wash up tools & SDFN @ 8:30 PM.

NOTE: when trying to frac C6 got 900# 20/40 into formation.

STIMULATION B11 4542-47'
TREATMENT

Fluid acid - 7 bbls acid
pad - 36 bbls Viking 1-25
slurry - 209 bbls Viking 1-25
flush - 28 bbls treated wtr

Proppant, lbs, ramp range 15,000# 20/40 & 19,700# 16/30, 1-8#

Max press/rate: 3762 psi @ 15.1 BPM

Avg press/rate: 3460 psi @ 15.1 BPM

ISIP: 2286

5 min: 2225

10 min: 2191

15 min: 2139

Flow rate: 80 BPH - flowed back 100 bbls

STIMULATION C6 4944-47', C8.1 4986-91', C8.2 5022-24'
TREATMENT

Fluid acid - 36 bbls Viking 1-25
pad - 128 bbls Viking 1-25
flush - 29 bbls Viking 1-25

Proppant, lbs, ramp range 10,420# 20/40 & 11,300# 16/30, 1-8#

Max press/rate: 3822 psi @ 15.8 BPM

Avg press/rate: 3600 psi @ 15.8 BPM

ISIP: 2540

5 min: 2439

10 min: 2381

15 min: 2338

Treatment remarks: Attempt to frac C6 individually. Spotted acid & pumped 6 bbls maxed on press. Let acid set for 2 hrs then pump into, screened w/ 900# 20/40 on fm. Isolate C6 & C8 zones. Finish frac. Flowed 30 bbls

RECEIVED

DEC 19 2000

Page 2

DIVISION OF
OIL, GAS AND MINING

11/02/00 THU 15:16 [TX/RX NO 8898]

WORKOVER REPORT

11/2/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.	Elevation: KB 6252
Well: Ute Tribal 16-10	GL 6242
County, St.: Duchesne UT	

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

10/18/00	\$4,319.00	PERFORATIONS:
		5324-5328 Green River D (03.4) 4 SPF 16 shots
		5255-5257 Green River D (03.4) 4 SPF 8 shots
		5217-5223 Green River D (03.3) 4 SPF 24 shots
		5022-5024 Green River C (08.2) 4 SPF 8 shots
		4986-4991 Green River C (08.1) 4 SPF 20 shots
		4944-4947 Green River C (08) 4 SPF 12 shots
		4542-4547 Green River B (11) 4 SPF 20 shots

7 AM open well. PU 4 3/4" mill & 5.5" scrapper. RIH w/ mill & scraper. PU & tally 2 7/8" N80 work string to 5437'. Circ hole to prod tank, approx. 80 bbbls. POOH w/ 2 7/8" tbg, scraper, & mill. RU Weatherford. Perf B11 4542-47' & C8 4944-47' w/ 4 spf each. RD Weatherford. PU & RIH w/ 5.5" BVBP & RTTS. Set BV @ 4970' & RTTS @ 4960'. Test tbg to 4000 psi. Secure well @ 3:30 PM.

10/17/00	\$5,840.00	
----------	------------	--

7 AM UR unit & unseat pump. LD pony & 7/8" slick rod. Flush tbg w/ 35 bbbls treated wtr. Max psi @ 1200. POOH LD 128 7/8" & 3/4" rods out. Re-flush w/ 20 bbbls treated wtr. Resume POOH & LD rods w/ pump #2188. ND well head & prod. Change to tbg. Release B2. NU BOP. RU floor. POOH w/ 2 7/8" prod & LD tbg 5.5" B2, & PSN. RU pump & lines. Strap top row off 2 7/8" tbg. Secure well. 73 slick 7/8" rods, 129 slick 3/4" rods, & 11 guided 3/4" rods.

Cumulative Cost: \$76,006.00

Days Since Start: 7

RECEIVED

DEC 19 2000

Page 3

DIVISION OF
OIL, GAS AND MINING

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

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@petroglyph.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 16 T05S R03W NWSE 1728FSL 1881FEL

5. Lease Serial No.
1420H623511

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 16-10

9. API Well No.
4301331851

10. Field and Pool, or Exploratory
ANTELOPE CREEK

11. County or Parish, State
DUCHESNE, UT

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 16-10 was converted to an injection well on 10/17/00.

See attached well rework record (EPA from)

Current status: Waiting on EPA for approval to inject.

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

RECEIVED

DEC 19 2000

**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 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 #2135 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE

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

SUBMIT IN TRIPLICATE- Other Instructions on reverse side

5. Lease Serial No.
1420H623511

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 16-10

9. API Well No.
4301331851

10. Field and Pool, or Exploratory
ANTELOPE CREEK

11. County or Parish, State
DUCHESNE, UT

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

2. Name of Operator **PETROGLYPH OPERATING COMPANY,
CONTACT: MICHEAL SAFFORD COORDINATOR
EMAIL: mikes@petroglyph.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 16 T5S R3W NWSE 1728FSL 1881FEL

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give 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.)

Injection commenced on 2/28/2001

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

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 #2807 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE

RECEIVED

MAR 26 2001

DIVISION OF OIL, GAS AND MINING

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, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP TRUE VERT. DEPTH
Well Name.....		CONFIDENTIAL				

RE-COMPLETION REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.	Elevation: KB 6252
Lease: Ute Tribal 16-10	GL 6242
API #: 43-013-31851	Property: 50147
Location: 16 - 5 S - 3 W	AFE/EPE Number: 41315
County, St.: Duchesne UT	

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

9/29/98	\$3,476.00	
---------	------------	--

Final Report

Open well. SICP @ 0 psi, SITP @ 0 psi. RD floor & BOP's. Set TAC & NU production head. X/over to rod equipment. PU & RIH w/ pump & rods. Seat & space out pump. Load hole w/ 1 bbl Kwtr & stroke test to 700 psi. Hang off to unit & RD service rig. TWTR @ 657 bbls.

TUBING DETAIL

	Length	Depth
KB	10.00	10.00
154 jts 2-7/8" 6.50 J55	4791.67	4801.67
5-1/2" B2 TAC	2.66	4804.33
17 jts 2-7/8" 6.50 J55	527.60	5331.93
2-7/8" PSN	1.20	5333.13
1 jt 2-7/8" 6.50 J55	32.31	5365.44
MechSN/gas anchor	.74	5366.18
Perfsub 2-7/8" 6.50 J55	6.08	5372.26
2 jts 2-7/8" 6.50 J55	57.66	5429.92
Collar & plug	.74	5430.66
EOT		5430.66

ROD DETAIL

1-1/2" x 22' PR w/ 1-1/2" x 1-3/4" x 10' PR liner
 2 2' x 7/8" pony rods
 73 slick 7/8" rods
 135 slick 3/4" rods
 5 guided 3/4" rods spaced every 4th from pump
 2-1/2" x 1-3/4" x 16' 40 ring PA

FLUID RECOVERYQ

Zone BLF:	977
Zone BLFR:	320
Zone BLFTR:	657
Zone % Rec:	33%
Well BLF:	977
Well BLFR:	320
Well BLFTR:	657
Well % Rec:	33%

RE-COMPLETION REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 16-10
County, St.: Duchesne UT

Elevation: KB 6252
GL 6242

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

9/28/98	\$2,976.00	
---------	------------	--

Open well. W/ C8.1, C8.1, D3.3, & D3.4 zones swabbed to 31% TFR yesterday w/ 5% oil. This AM SICP @ 400 psi, SITP @ 500 psi & well flowing. Made +/-23 bbls in 1 hr w/ +/- 18% oil cut. Roll hole w/ Kwtr. RIH & tag sand @ 5530'. Clean out to CIBP @ 5750'. POOH RIH w/ BHA & ND BOP & frachead. NU production head. Attempt to set TAC w/ no success. Circ 30 bbls & try to set anchor. No set. NU BOP's & POOH w/ TAC. Found 1 slip broken on anchor. Note: may have caught TAC on port collar & broken slip. RIH w/ new TAC. Did not see port collar while going through it. SWIFN.

FLUID RECOVERY

Zone BLF:	977
Zone BLFR:	320
Zone BLFTR:	657
Zone % Rec:	33%
Well BLF:	977
Well BLFR:	320
Well BLFTR:	657
Well % Rec:	33%

9/26/98	\$2,092.00	
---------	------------	--

Open well. W/ C8.1 & C8.2 zones fraced & flowed to 0 psi yesterday. This AM SICP @ 0 psi. RIH w/ ret. Head. Tagged sand @ 4892'. Clean out to RBP @ 5240'. Release RBP & POOH. RIH w/ ret. Head & tag sand @ 5550'. POOH to 4850'. RU & swab well. Made 19 runs. IFL @ surface. FFL @ 700'. MOC @ 5% TWR @ 3 bbls. SWIFN.

RE-COMPLETION REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6252

Well: Ute Tribal 16-10

GL 6242

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

9/25/98 \$44,572.00

PERFORATIONS:

5324-5328	Green River D (03.4)	4 SPF	16 shots
5255-5257	Green River D (03.4)	4 SPF	8 shots
5217-5223	Green River D (03.3)	4 SPF	24 shots
5022-5024	Green River C (08.2)	4 SPF	8 shots
4986-4991	Green River C (08.1)	4 SPF	20 shots

Open well. SICP @ 0 psi. RU HES & frac D3.4 zone w/ 5587 gal delta frac w/ 10,000# 20/40, 11,000# 16/30 @ MTP 3200 psi. MTR @ 26.7 BPM. ISIP @ 2500 psi. Lube in well w/ RBP & perf gun. Set RBP @ 5240' & test to 3000 psi. Perf D3.3 zone @ 5217-23' @ 4 spf w/ 24 holes. Spot HCl w/ baile4r & bkdn @ 2200 psi. RU HES & frac D3.3 zone w/ 250 gal 15% HCl, 6570 gal. MTR @ 26 BPM. Flow well to pit @ 5 min. Shut in @ 60 BPH to 0 psi. Flowed 75 bbls. RIH w/ tbg & clean out to 5111'. Test against sand plug to 3000 psi. Lost 200 psi in 10 min. POOH w/ tbg. Perf C8.2 zone @ 5022-24' @ 4 spf w/ 8 holes & C8.1 zone @ 4986-91 @ 4 spf w/ 20 holes. Spot HCl w/ bailer & bkdn perms @ 1400 psi. RU HES & frac w/ 250 gal 15% HCl, 5925 gal delta frac w/ 10,000# 20/410 & 11,400# 16/30/ MTP @ 3000 psi. MTR @ 25.2 BPM. ISIP @ 2165 psi. Flow well to pit @ 5 min shut-in @ 60 BPH to 0 psi. Flowed 73 bbls. SWIFN.

Total fluid flowed @ 148 bbls, total fluid displaced @ 20 bbls, total fluid recovered @ 1687 bbls.

STIMULATION D3.4 5255-57 & 5324-28
TREATMENT

Fluid task: parachute, pad, slurry, flush
Volume (gal): 55, 1500 ,4037, 4666
Fluid type: parachute, delta frac, delta frac, freshwtr
Proppant: 20/40 & 16/30
Total lbs: 10,000 & 11,000
Ramp range: 1-8 ppg

TREATING PRESS

Maximum: 3200 psi 26.7 BPM
Average: 2400 psi @ 25.5 BPM

SHUT-IN PRESSURE

ISIP: 2500
5 min: 1805

FLUID RECOVERY

Zone BLF: 977
Zone BLFR: 168
Zone BLFTR: 809
Zone % Rec: 17%
Well BLF: 977
Well BLFR: 168
Well BLFTR: 809
Well % Rec: 17%

STIMULATION D3.4 5217-23
TREATMEN

Fluid task: acid/paracheck, pad, slurry, flush

RE-COMPLETION REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 16-10
County, St.: Duchesne UT

Elevation: KB 6252
GL 6242

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

Volume (gal):	250/55, 2500, 4070, 4603
Fluid type:	acid/paracheck, delta frac, delta frac, fresh wtr
Proppant:	20/40 & 16/30
Total lbs:	10,000 & 11,000
Ramp range:	1-8 ppg
TREATING PRESSURE	
Maximum:	3200 psi @ 26.7 BPM
Average:	2400 psi @ 25.5 BPM
TREATMENT FLOWBACK	
Choke/hrs:	varied
TP / CP:	1800-0
Flow rate:	60 BPH
SHUT-IN PRESSURE	
ISIP:	4780
5 min:	2019
STIMULATION TREATMENT	
Fluid task:	acid/paracheck, pad, slurry, flush
Volume (gal):	250/55
Fluid type:	acid/paracheck, delta frac, delta frac, fresh wtr
Proppant:	20/40 & 16/30
Total lbs:	10,000 & 11,400
Ramp range:	1-8 ppg
TREATING PRESSURE	
Maximum:	3000 psi @ 25.2 BPM
Average:	2480 psi @ 24.8 BPM
TREATMENT FLOWBACK	
Choke/hrs:	varied
TP/CP:	1800-0
Flow rate:	60 BPH
SHUT-IN PRESSURE	
ISIP:	2165
5 min:	1791

RE-COMPLETION REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.	Elevation: KB 6252
Well: Ute Tribal 16-10	GL 6242
County, St.: Duchesne UT	

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

9/23/98	\$5,825.00	
---------	------------	--

PERFORATIONS:

5324-5328	Green River D (03.4)	4 SPF	16 shots
5255-5257	Green River D (03.4)	4 SPF	8 shots

Open well. SICP @ 50 psi. RIH w/ CIBP to 5750'. Set CIBP & test csg to 4500 psi. POOH to 5340' & spot 6 bbls 15% HCl @ D3.4 interval & POOH. Perf D3.4 zone @ 5255-57 w/ 4 spf, 8 shots & 5324-28 w/ 4 spf, 16 holes. RIH w/ RTTS & set between zones @ 5288'. Bkdn perms @ 5324-28 dn tbg @ 1600 psi. Injection rate @ 3 BPM @ 1200 psi. Bkdn perms @ 5255-57 dn csg @ 1800 psi. Injection rate @ 2 BPM @ 1400 psi. Release RTTS & POOH. Pump 10 bbls Kwtr to clear acid from csg. SWIFN. Will frac on 9/25/98.

9/22/98	\$1,998.00	
---------	------------	--

Road rig from 29-15 to location. MIRU. Unseat pump & POOH LD 6 bad 7/8" rods. NU BOP & frac head. Release TAC & POOH. SWIFN.

Cumulative Cost: \$60,939.00

Days Since Start: 8