

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS J X WATER SANDS LOCATION INSPECTED SUB REPORT/abd

180/1001 CONF exp:

DATE FILED JANUARY 28, 1997

LAND FEE & PATENTED

STATE LEASE NO.

PUBLIC LEASE NO.

INDIAN #

DRILLING APPROVED: FEBRUARY 24, 1997

14-20-H62-3518

SPUDDED IN: 3-22-97

COMPLETED 4-29-97 POW. PUT TO PRODUCING:

INITIAL PRODUCTION: 108 Bbl → 30 MCF → 0 Bbl.

GRAVITY API

GOR

PRODUCING ZONES: 4100D-5534' MRRV

TOTAL DEPTH: 6024'

WELL ELEVATION: 10570' ML

DATE ABANDONED

FIELD ANTELOPE CREEK

UNIT:

COUNTY: DUCHESNE

WELL NO UTE TRIBAL 29-12

API NO. 43-013-31797

LOCATION 1865 FSL FT FROM (N) (S) LINE. 699 FWL

FT. FROM (E) (W) LINE. NW SW

1/4 - 1/4 SEC 29

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
5S	3W	29	PETROGLYPH OPERATING				

GEOLOGIC TOPS:

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	Halgate Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
B marker 3944	Dakota	Park City	McCracken
x marker 4427	Burro Canyon	Rico (Goodridge)	Aneth
y marker 4403	Cedar Mountain	Supai	Simonson Dolomite
Black 4316	Buckhorn	Wolfcamp	Sevy Dolomite
Black limestone 4940	JURASSIC	CARBON I FEROUS	North Point
CASHIE PEAK 5488	Morrison	Pennsylvanian	SILURIAN
Basal carb 5922	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		

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

1865' FSL & 699' FWL NW/SW
At proposed prod. zone

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

21.8 MILES SOUTHWEST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 699'
(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

6024

20. ROTARY OR CABLE TOOLS

ROTARY

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

6569.9' GRADED GROUND

22. APPROX. DATE WORK WILL START*

JANUARY 1997

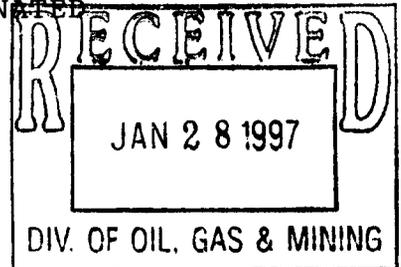
23. PROPOSED CASING AND CEMENTING PROGRAM

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. 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#	6024'	

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



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

1-23-97

(This space for Federal or State office use)

PERMIT NO.

43-013-31797

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

2/24/97

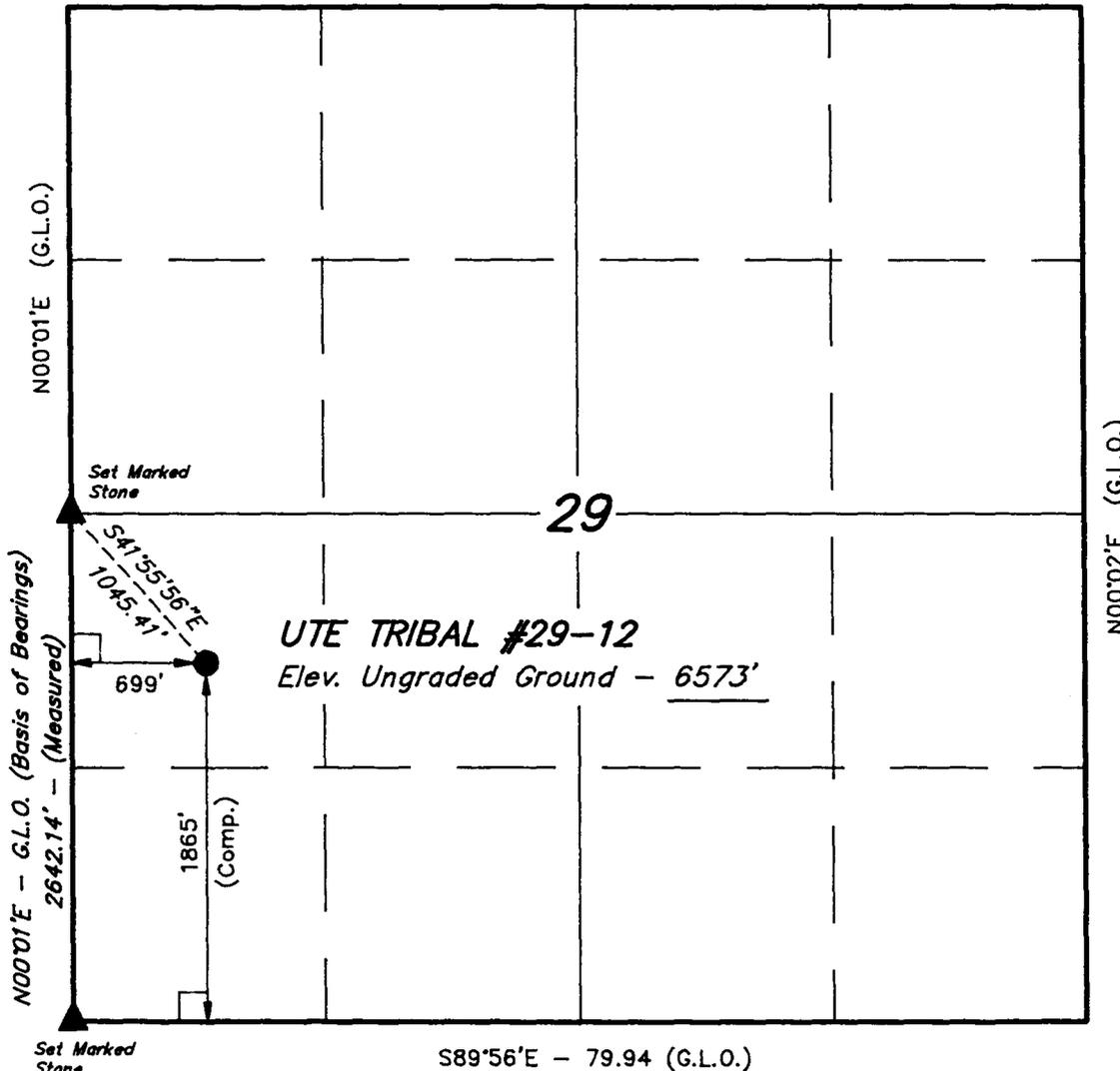
*See Instructions On Reverse Side

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

PETROGLYPH OPERATING CO., INC.

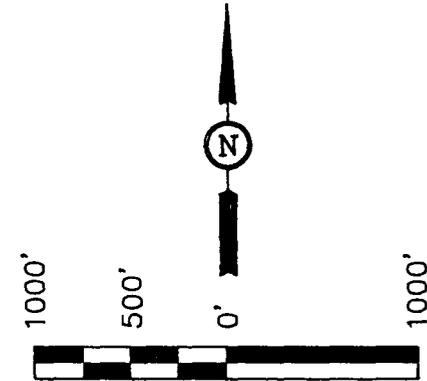
Well Location, UTE TRIBAL #29-12, located as shown in NW 1/4 SW 1/4 of Section 29, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

S89°48'E - 79.94 (G.L.O.)



BASIS OF ELEVATION

SPOT ELEVATION AT THE SOUTHWEST CORNER OF SECTION 29, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE, QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 6680 FEET.



SCALE

CERTIFICATE

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

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

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

LEGEND:

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

SCALE 1" = 1000'	DATE SURVEYED: 10-27-96	DATE DRAWN: 11-21-96
PARTY D.K. K.S. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE PETROGLYPH OPERATING CO., INC.	

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

January 15, 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 #29-12
NW/SW SEC. 29, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3518
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,

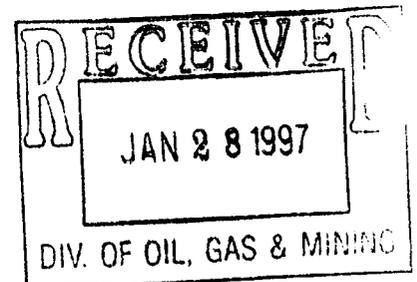


Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt



EIGHT POINT PLAN

UTE TRIBAL #29-12
NW/SW SEC. 29, T5S R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2855	3725
"B" marker	4254	2326
'X' marker	4428	2152
Douglas Creek	4559	2021
"B" Limestone	4930	1650
B/Castle Peak Limestone	5479	1101
Basal Carbonate Limestone	5914	666
Total Depth	6024	556

Anticipated BHP 2600 psi

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4559	2021
Oil/Gas	B/Castle Peak	5479	1101
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' - 6024'	6024'	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 #29-12
NW/SW SEC. 29, 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 #29-12
NW/SW SEC. 29, 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.

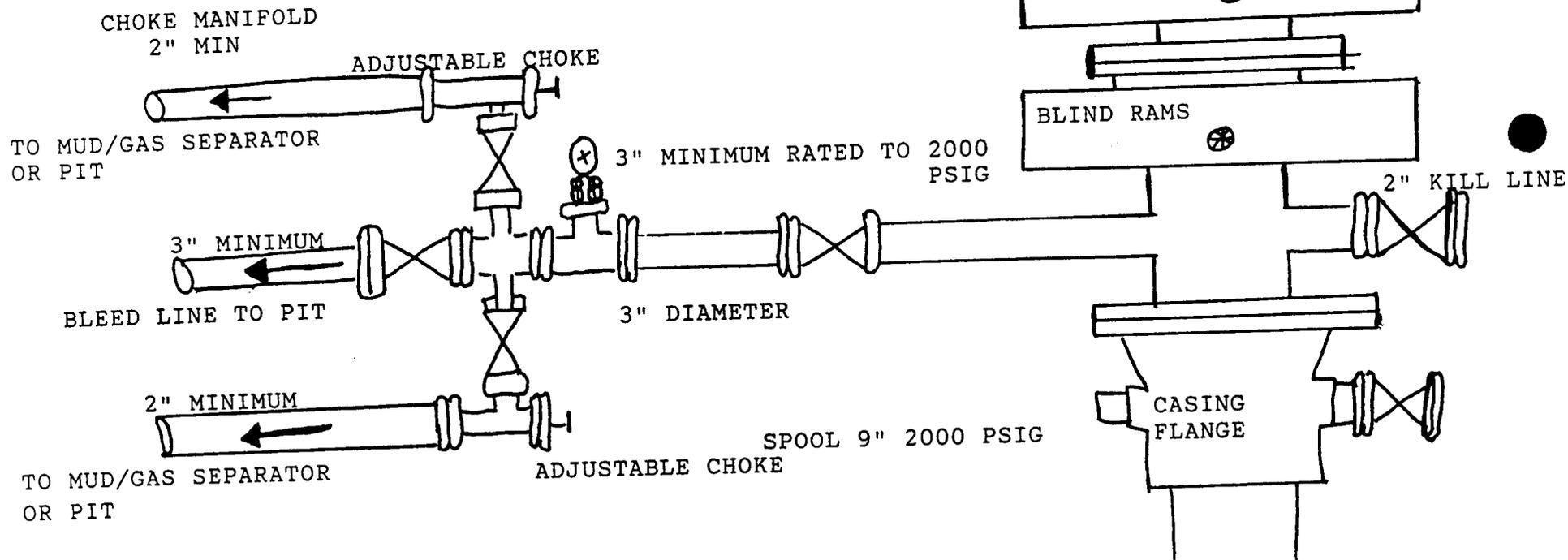
(Attachment: BOP Schematic Diagram)

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 #29-12
Lease Number: BIA 14-20-H62-3518
Location: 1865' FSL & 699' FWL NW/SW, Sec. 29, T5S R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

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

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

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 21.8 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.6 miles in length. See attached TOPO Map "B"
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

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

All travel will be confined to existing access road Right-of-Way.

Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

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

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

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

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

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

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

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 15*
- 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 1350' from proposed location to a point in the SE/NW of Section 29, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

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

The production facilities will be placed on the Ute Tribal #29-06 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 West side of the location.
The flare pit will be located downwind of the prevailing wind direction on the West 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 East side.

Access to the well pad will be from the North.

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

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

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

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

X Corner No. 8 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.

1-23-97

Date

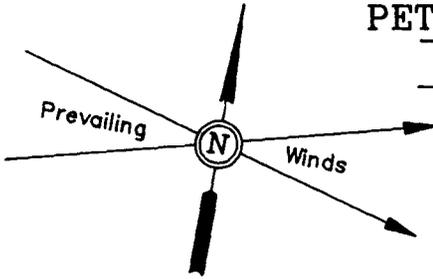


PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #29-12
SECTION 29, T5S, R3W, U.S.B.&M.
1865' FSL 699' FWL

Ray

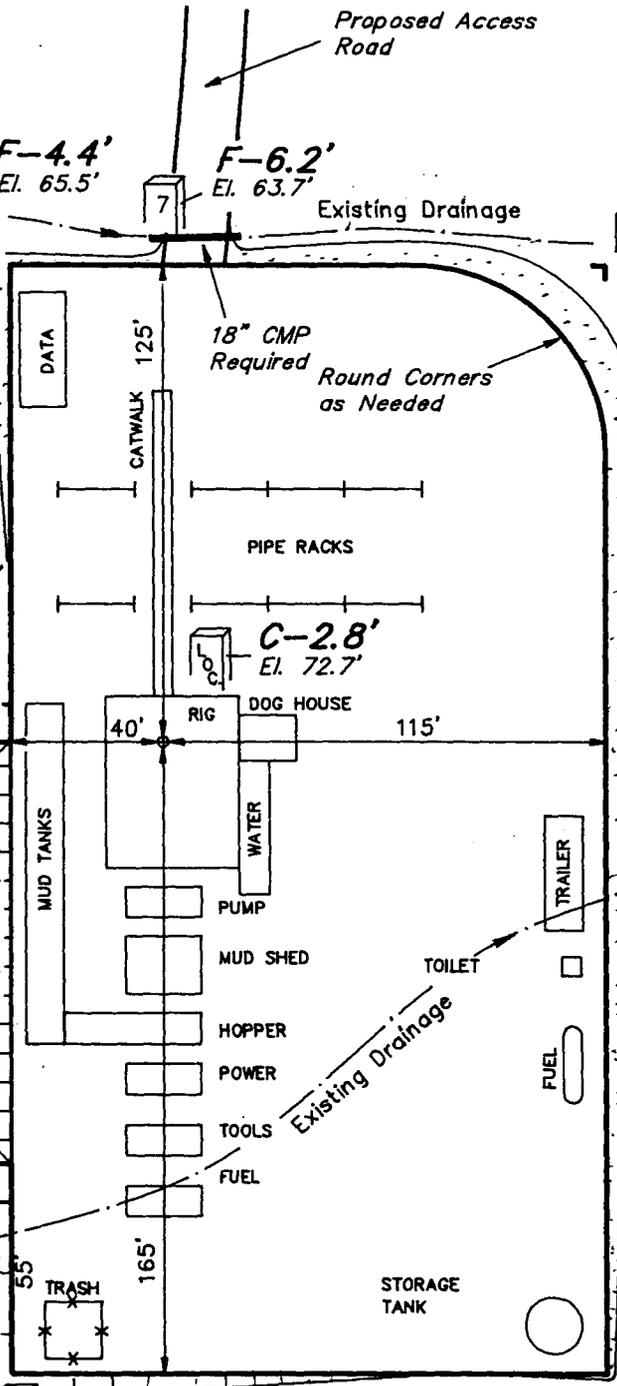
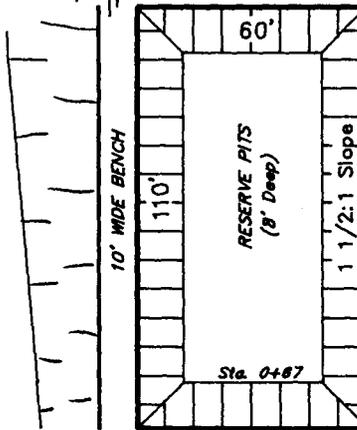
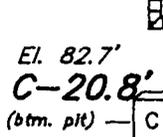
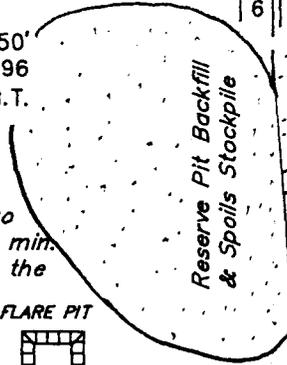


SCALE: 1" = 50'
DATE: 11-21-96
Drawn By: C.B.T.

NOTE:

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

FLARE PIT



NOTE:
Pit Capacity W/2' of Freeboard is ±4,800 Bbls.

Elev. Ungraded Ground at Location Stake = 6572.7'

Elev. Graded Ground at Location Stake = 6569.9'

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

Sta. 2+90

Sta. 1+65

Sta. 0+00

F-4.4' El. 65.5'

F-6.2' El. 63.7'

F-9.9' El. 60.0'

C-5.9' El. 75.8'

C-20.8' (btm. pit) El. 82.7'

C-2.8' El. 72.7'

C-16.4' (btm. pit) El. 78.3'

C-4.6' El. 74.5'

C-7.6' El. 77.5'

C-5.9' El. 75.8'

F-2.6' El. 67.3'

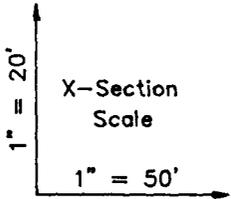
F-1.2' El. 68.7'

PETROGLYPH OPERATING CO., INC.

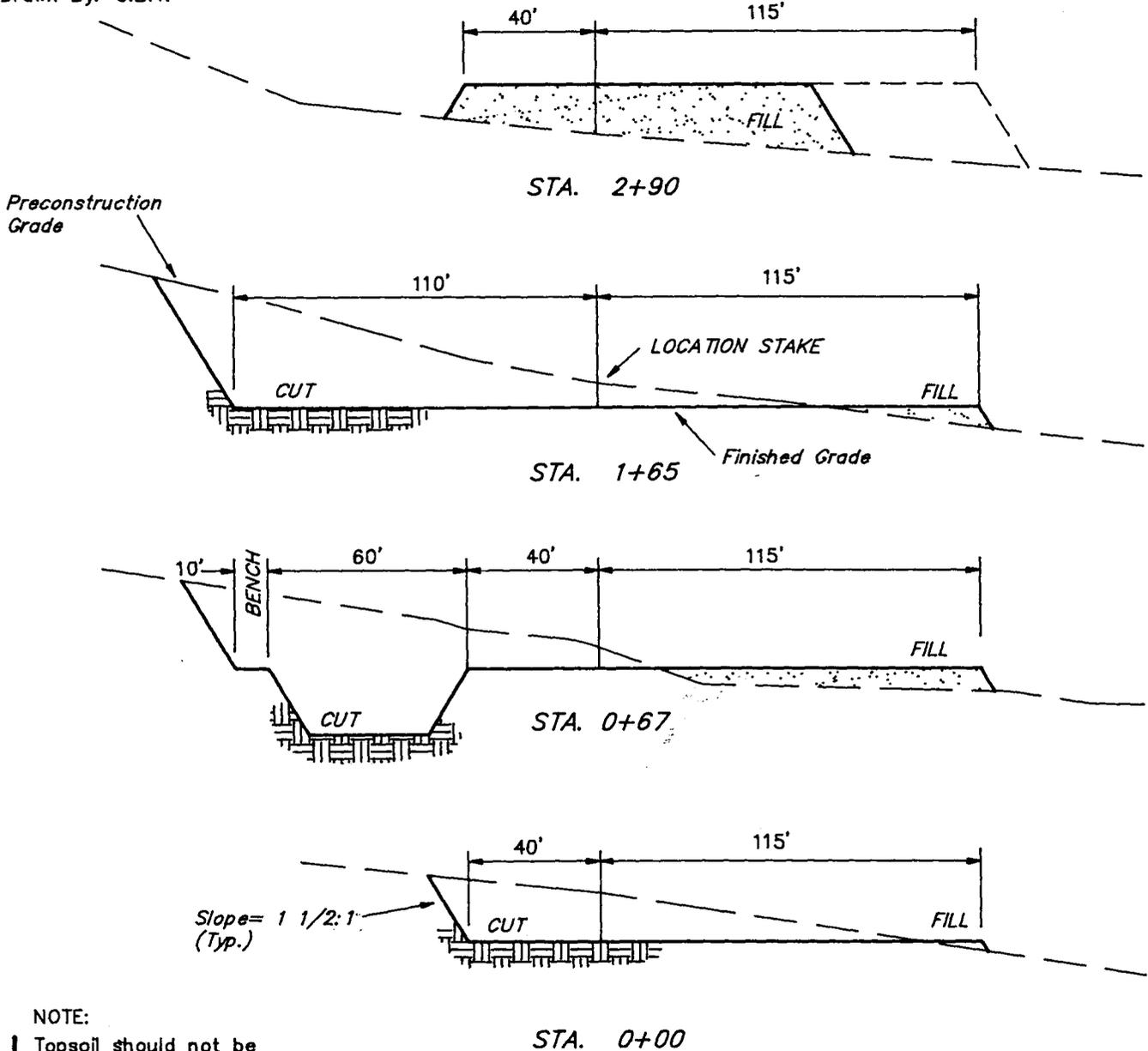
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #29-12
SECTION 29, T5S, R3W, U.S.B.&M.
1865' FSL 699' FWL

Handwritten signature



DATE: 11-21-96
Drawn By: C.B.T.



NOTE:

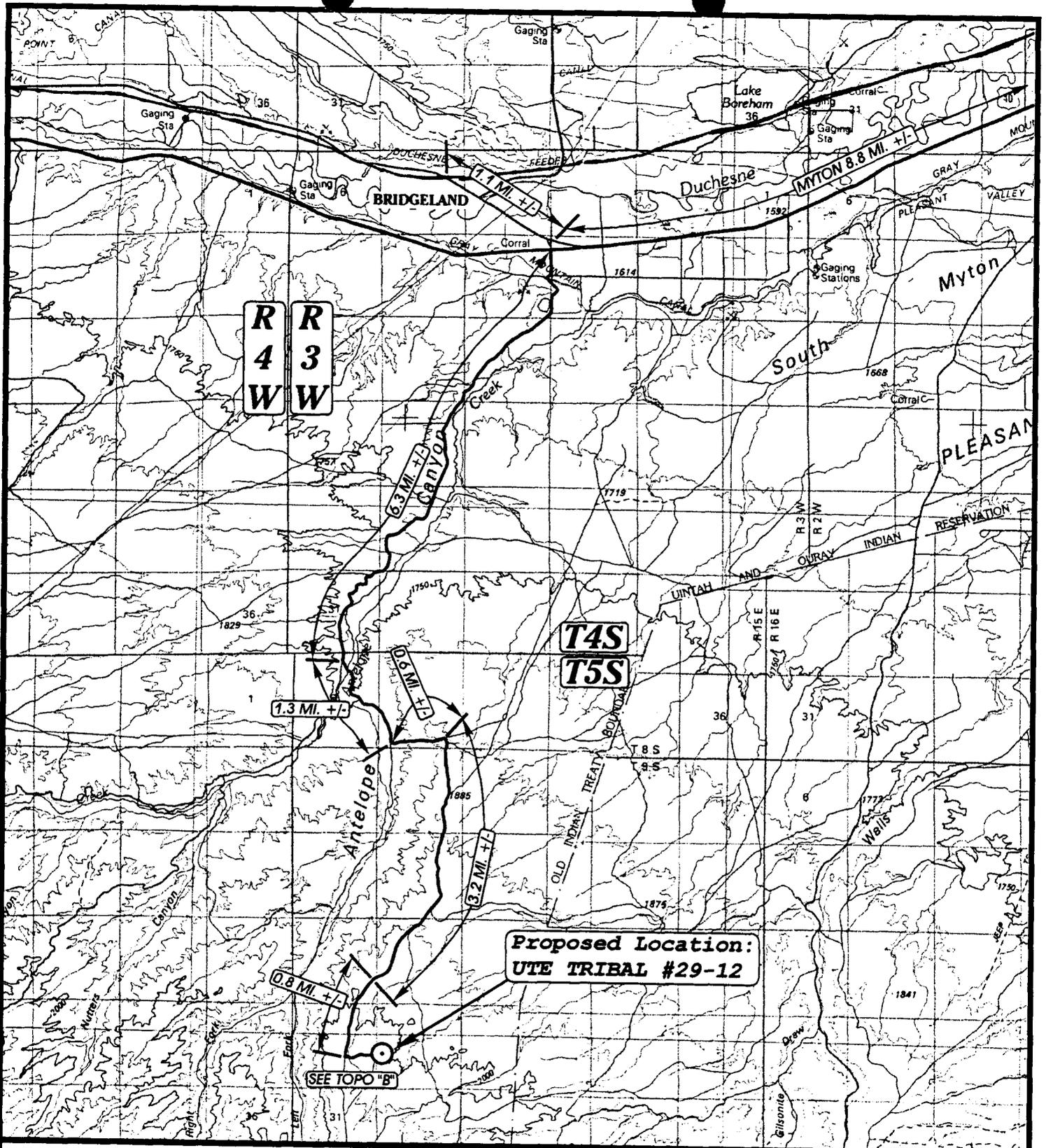
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 1,910 Cu. Yds.
Remaining Location	= 5,710 Cu. Yds.
TOTAL CUT	= 7,620 CU.YDS.
FILL	= 4,750 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	= 2,620 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	= 2,610 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	= 10 Cu. Yds.

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UELS

**TOPOGRAPHIC
MAP "A"**

DATE: 11-22-96

Drawn by: D.COX



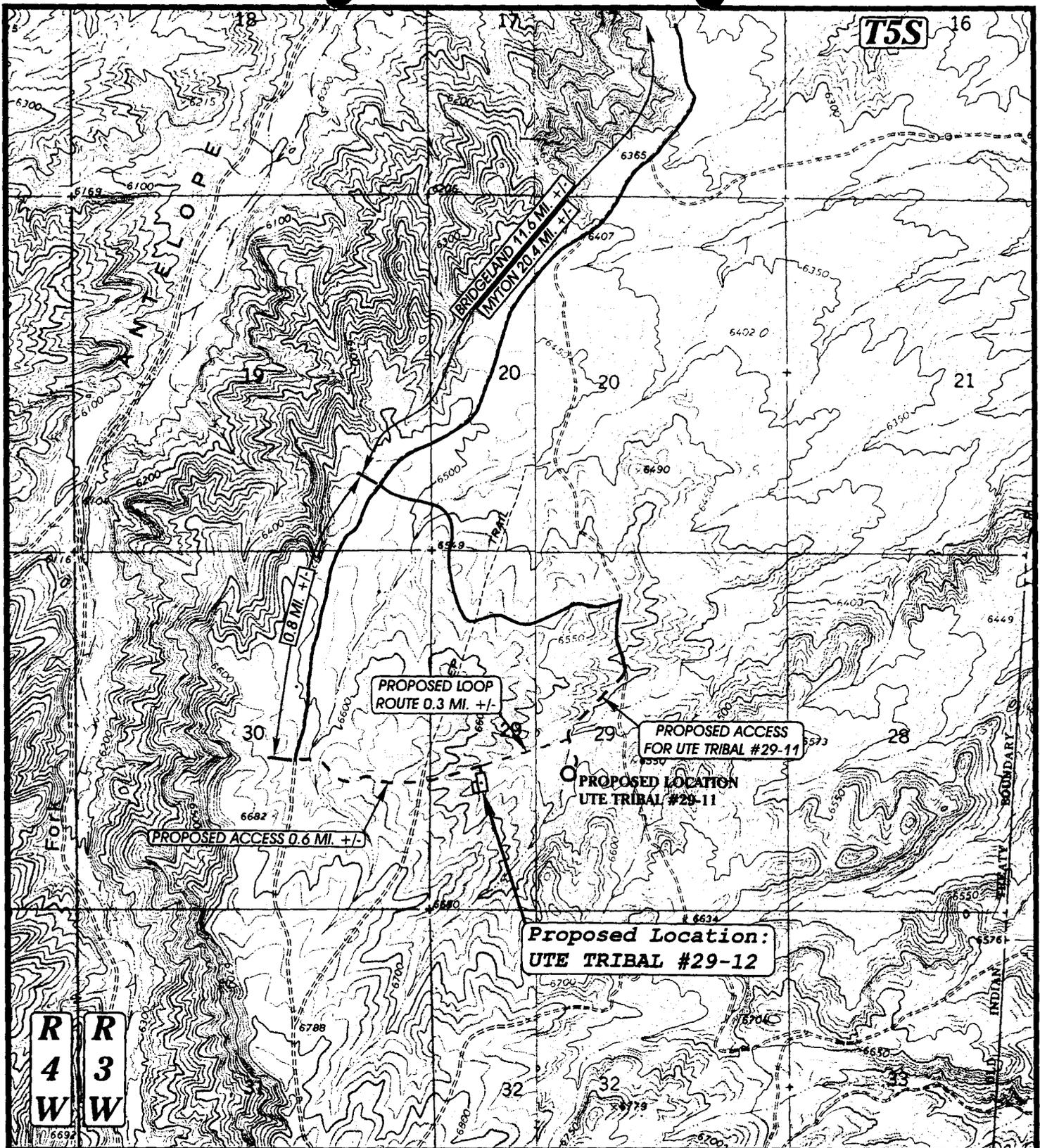
PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #29-12

SECTION 29, T5S, R3W, U.S.B.&M.

1865' FSL 699' FWL

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**U
E
L
S**

**TOPOGRAPHIC
MAP "B"**

**DATE: 11-22-96
Drawn by: D.COX**

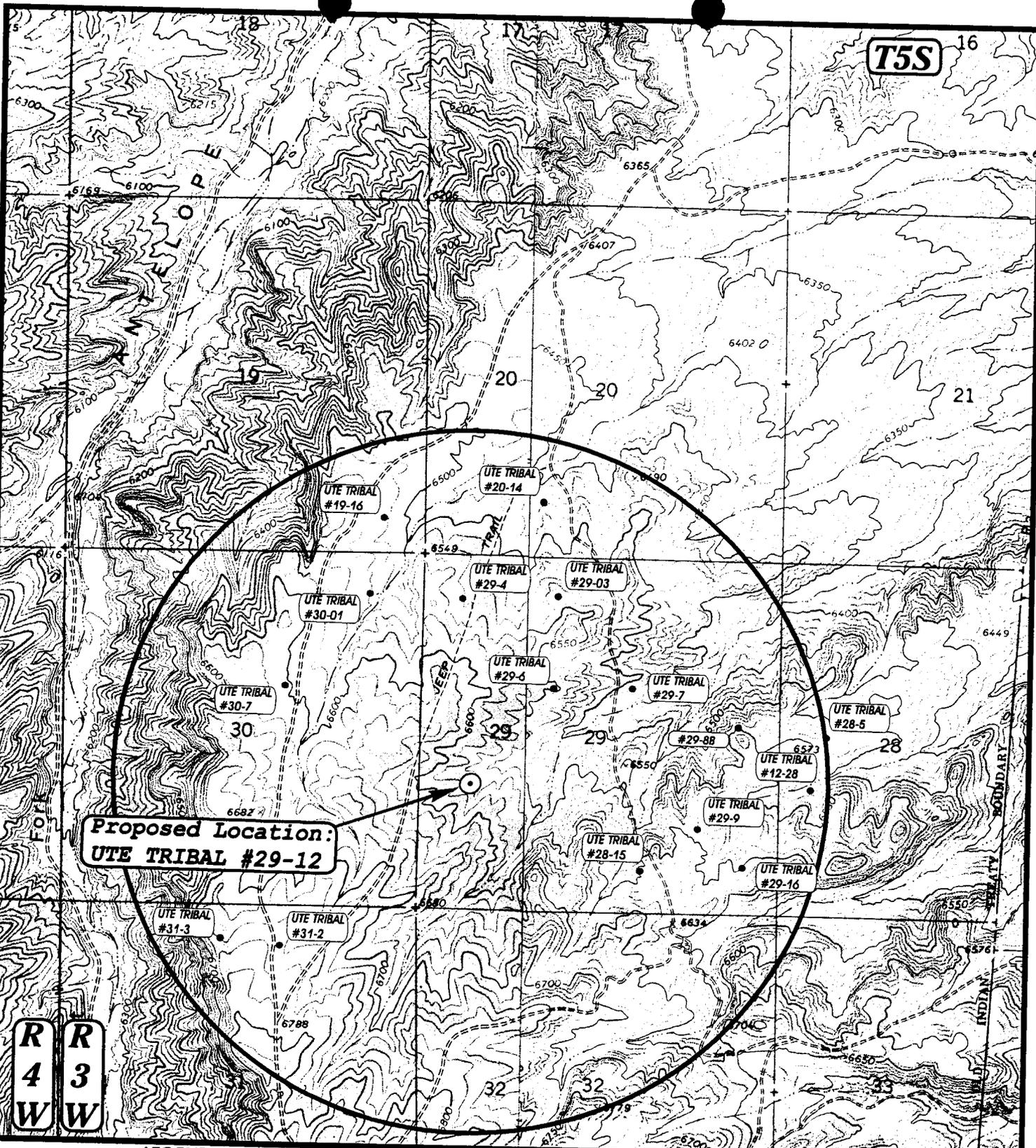
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PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #29-12
SECTION 29, T5S, R3W, U.S.B.&M.
1865' FSL 699' FWL**

SCALE: 1" = 2000'



**Proposed Location:
UTE TRIBAL #29-12**

**R 4
W** **R 3
W**

LEGEND:

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

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



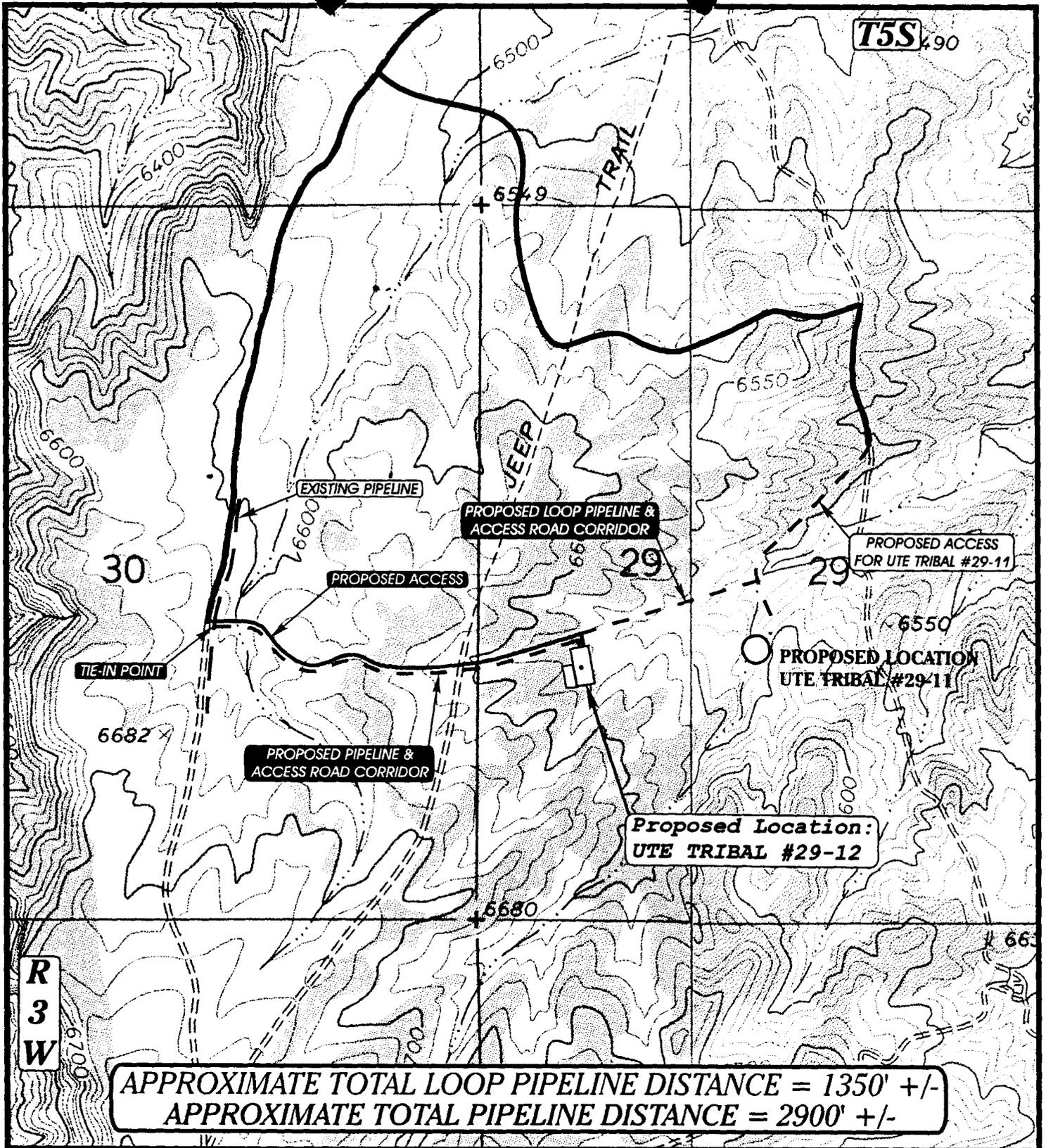
SCALE: 1" = 2000'

PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #29-12
SECTION 29, T5S, R3W, U.S.B.&M.**

**TOPOGRAPHIC
MAP "C"**

DATE: 11-22-96 Drawn by: D.COX



APPROXIMATE TOTAL LOOP PIPELINE DISTANCE = 1350' +/-
APPROXIMATE TOTAL PIPELINE DISTANCE = 2900' +/-

**R
3
W**

**TOPOGRAPHIC
MAP "D"**

- — — — Existing Pipeline
- - - - Proposed Pipeline



SCALE: 1" = 1000'

PETROGLYPH OPERATING CO., INC.
UTE TRIBAL #29-12
SECTION 29, T5S, R3W, U.S.B.&M.

DATE: 11-22-96
 DRAWN BY: D.COX

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 01/28/97

API NO. ASSIGNED: 43-013-31797

WELL NAME: UTE TRIBAL 29-12
OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:
NWSW 29 - T05S - R03W
SURFACE: 1865-FSL-0699-FWL
BOTTOM: 1865-FSL-0699-FWL
DUCHESNE COUNTY
ANTELOPE CREEK FIELD (060)

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

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-3518

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

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

LOCATION AND SITING:

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

COMMENTS: _____

STIPULATIONS: _____



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)

February 24, 1997

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

Re: Ute Tribal 29-12 Well, 1865' FSL, 699' FWL, NW SW, Sec. 29,
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 43-013-31797.

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Firth".

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 29-12
API Number: 43-013-31797
Lease: 14-20-H62-3518
Location: NW SW Sec. 29 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
 1865' FSL & 699' FWL NW/SW
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 699'
 (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.
 6024

19. PROPOSED DEPTH
 6024

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6569.9' GRADED GROUND

22. APPROX. DATE WORK WILL START*
 JANUARY 1997

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-H62-3518

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.
 #29-12

10. FIELD AND POOL, OR WILDCAT
 ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 29, 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#	6024'	

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
 JAN 27 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 1-23-97

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

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY [Signature] TITLE ACTING Assistant Field Manager Mineral Resources DATE FEB 21 1997

Ut 080-111-098 *See Instructions On Reverse Side

DATE: January 29, 1997

REPLY TO
ATTN OF: Superintendent, Uintah & Ouray Agency, Ft. Duchesne, UT

SUBJECT: Concurrence for Application for Permit to Drill and Corridor ROW's

TO: Bureau of Land Management, Vernal District Office
Attn.: Minerals Division

RECEIVED
JAN 30 1997

We recommend approval of the Application for Permit to drill on the subject wells.

TOWNSHIP 5 SOUTH, RANGE 3 WEST, USB&M

Sec. 18	UT 18-06	SE/4NW/4, See Below
	UT 18-11	NE/4SW/4, See Below
	UT 18-12	NW/4SW/4, See Below
Sec. 29	UT 29-12	NWSW. and Sec. 30, N1/2SE. See Below
	UT 29-05	SW1/2NW, See Below

Each of the above well pads with an access corridor shall contain the following:

1. 3" steel buried oil pipeline	4. 4 1/2" surface production pipeline
2. 3" poly buried water pipeline	5. 6" steel buried water pipeline
3. 3" poly buried gas pipeline	6. Electrical power line

Based on available information received on December 10, 1996, the proposed locations have been cleared of the following areas of environmental impact.

YES X	NO	Listed threatened or endangered species
YES X	NO	Critical wildlife habitat
YES X	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 of attainment)
YES	NO	Other (if necessary)

COMMENTS: The Ute Tribe Energy & Minerals 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. Fifty (50) foot corridor rights-of-ways shall be granted with the following:
 - a. Buried pipelines shall be buried a minimum of 3 feet below soil surface.
 - b. Access roads shall be limited to 22 feet, except as granted for sharp turns.
 - c. Surface pipelines shall be limited to 13 feet wide.
 - d. Buried pipelines shall be limited to 15 feet wide, and construction will be monitored by a Tribal Technician.
3. Pipelines adjacent to access roads shall be buried within 15 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 Company 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 areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
6. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
7. The personnel from the Ute Tribe Energy & Minerals Department should be consulted should cultural remains from subsurface deposits be exposed or identified during construction.
8. All recommendations of the Bureau of Indian Affairs combined site specific Environmental Analysis report (EA) shall be strictly adhered, during and after construction.

A handwritten signature in black ink, appearing to be a stylized name, located in the lower right quadrant of the page.

JAN 30 1997

**SITE SPECIFIC
ENVIRONMENTAL ANALYSIS****1.0 PROPOSED ACTION**

Petroglyph Operating Co., Inc. is proposing to drill oil well #29-12, and construct pipelines, access roads, and powerlines in approximately 4250 feet of corridor right-of-way. The corridor right-of-way includes approximately 2900 feet of pipeline & access road serving the well, and 1350 feet of pipeline & access road to complete the loop.

2.0 ALTERNATIVE ACTIONS

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

3.0 PERMITTEE/LOCATION

- A. Permittee- Petroglyph Operating Co., Inc.
- B. Date 12-1-96
- C. Well number- 29-12
- D. Right-of-way- Corridor R\W approx. 4250 feet.
- E. Site location- NWSW, Section 29, T5S, R3W, USB&M.
N1/2SE, Section 30, T5S, R3W, USB&M.

4.0 SITE SPECIFIC SURVEY**A. SITE DESCRIPTION**

- 1. Elevation (feet) 6575
- 2. Annual precipitation (inches)- 12-14
- 3. Topography- rolling hills
- 4. Soil- The soil texture is (0 to 6") gravely shale loam with moderate permeability.

B. VEGETATION

- 1. Habitat type is upland shrub & pinion/juniper.
- 2. Percent Ground Cover- estimated to be 40%.
- 3. Vegetation consists of approximately 18% grasses, 46% shrubs, 8% forbs & 10% trees. The main variety of grasses are squirrel tail, Indian ricegrass, poa, needle & thread, bluebunch wheat, galleta, and blue grama. Forbs are astragalus, mustard, lambs quarter, globemallow, buck wheat, & annuals. Shrubs consist of

black sagebrush, prickly pear, shadscale. Trees are pinion pine and Utah Juniper.

4. Observed Threatened & Endangered species: None.

5. Potential For Threatened & Endangered species: Slight

7. Observed Noxious Weeds: None

8. AFFECTED ENVIRONMENTAL

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

4.1 WILDLIFE

A. POTENTIAL SITE UTILIZATION

1. Big Game-The area is used throughout the year by mule deer, elk, and antelope.

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

3. Raptor- Various species of raptors use this area for habitat. Raptors which are observed using the area are Golden eagles, Redtail hawk, & Kestrel. Ferruginous hawk hunt in the area and there is an active nest located approximately 1.5 miles north east of this site in Section 20, T5S, R3W, USB&M.

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

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

4.2 PRESENT SITE USE

A. USAGE

	<u>acres</u>
Rangeland	6.13
Irrigable land	0
Woodland	0
Non-Irrigable land	6.13
Commercial timber	0
Floodplain	0
Wetland	0
Riparian	0
Other:	0

4.3 CULTURAL RESOURCES

A. CULTURAL SURVEY

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

5.0 ENVIRONMENTAL IMPACTS

A. SURFACE ALTERATIONS

	<u>acres</u>
1. Access road	0.00
2. Well site	1.26
3. Pipeline right-of-way	0.00
4. Corridor right-of-way	4.87
5. Total area disturbed	6.13

B. VEGETATION/LANDSCAPE

1. Production loss (AUM's)/year: 0.41
2. Permanent scar on landscape: Yes x No
3. Potential impacts to Threatened & Endangered species:
Yes No X

C. SOIL/RANGE/WATERSHED

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

The area is presently used as rangeland. In recent years the area has been permitted for livestock grazing, but at the present time no permits have been issued for the area. This project will reduce livestock grazing by approximately 0.41 AUM/year.

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

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

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

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

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

6.0 MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

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

B. SOILS/RANGE/WATERSHEDS

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

2. SURFACE PIPELINES

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

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way.

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

3. BURIED PIPELINES

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

Where pipelines are buried adjacent to access roads the first pipeline shall be buried within 1.5 feet from the outside edge of the barrow ditch of the road. If additional pipelines are needed they shall be constructed to parallel the outer side of the first pipeline, and they shall be constructed as close to the first pipeline as safety requirements allow.

Between September 15 and November 1 of the year following pipeline construction all disturbed areas shall be

reseeded with perennial vegetation according to BIA, or Ute Tribe specifications.

4. CORRIDOR RIGHT-OF-WAY

To reduce surface damages a 50 foot wide corridor right-of-way will be used for the access road, surface pipelines, buried pipelines, and electrical powerlines.

The constructed travel width of the access road shall be limited to 22 feet, except it may be wider where sharp curves, or intersections are required.

Surface pipelines shall be constructed on one side of the access roads and buried pipelines shall be constructed on the opposite side. The width of the right-of-way used for surface pipelines shall be limited to 13 feet, and buried pipelines shall be limited to 15 feet.

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

6. A closed production system will be used. Production fluids will be contained in leak proof tanks. All reduction 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.

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

8. The drainage shall be re-routed around the south side of the wellsite.

9. One culvert shall be installed as the road enters the wellsite.

C. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

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

D. CULTURAL RESOURCES

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

E. UTE TRIBAL REGULATIONS

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

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

7.0 UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

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

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

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

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

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

8.0 CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

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

9.0 NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, 12-9-96, the proposed location in the following areas of environmental impacts has been cleared:

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

10.0 REMARKS

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

11.0 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

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

Date

Representative - BIA Land Operations, Uintah and Ouray Agency

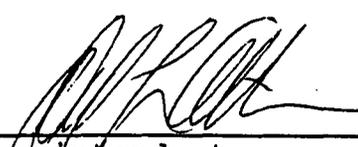
12.0 DECLARATION

A. APPROVAL

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

12/13/96

Date


Superintendent,
Uintah and Ouray Agency

14.0 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

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

B: \EAPetro.912

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company Inc.

Well Name & Number: Ute Tribal 29-12

API Number: 43-013-31797

Lease Number: 14-20-H62-3518

Location: NWSW Sec. 29 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 shallowest potential productive zone. 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 Kencka (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 CONDITIONS OF APPROVAL

The Surface Use Conditions of Approval all come from the BIA Concurrence letter and Environmental Analysis Mitigation Stipulations.

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

A 50 foot corridor rights-of-way shall be granted with the following: Access roads shall be limited to 22 feet, except as granted for sharp turns. Surface pipelines shall be limited to 13 feet. 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.

Pipelines buried 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, and placed as safety requirements will allow.

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.

Mitigation Stipulations from the site specific Environmental Analysis:

Before the site is abandoned, the company will be required to restore the well site and right-of-ways to near their original state. The disturbed 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.

The pipeline will be constructed to lay on the soil surface, and the right-of-way 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 right-of-way. 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 right-of-way will not be used as an access road.

A buried line is not mentioned in the APD, but the burying and related reseeding instructions are described in the Environmental Analysis for what may be the eventual installation of a water injection line. Reseeding in the areas where there is soil disturbance from buried pipelines shall occur between September 15 and November 15 of the same year following construction of the buried line.

An open drilling system will be used. Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the reserve pits are backfilled the 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.

Some existing drainages shall be rerouted around the South side of the wellsite. One culvert shall be installed as the road enters the pad on the North side of the pad and crosses a drainage there.

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING

Well Name: UTE TRIBAL 29-12

Api No. 43-013-31797

Section: 29 Township: 5S Range: 3W County: DUCHESNE

Drilling Contractor UNION

Rig # 16

SPUDDED:

Date 3/22/97

Time _____

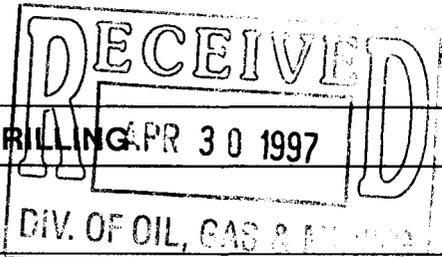
How ROTARY

Drilling will commence _____

Reported by D. INGRAM

Telephone # _____

Date: 3/28/97 Signed: JLT



REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Ute Tribal 29-12

API number: 43-013-31797

2. Well Location: QQ NWSW Section 29 Township 5S Range 3W County Duchesne

3. Well operator: Petroglyph Operating Company, Inc.

Address: P.O. Box 667
Roosevelt, UT 84066

Phone: 801-722-2531

4. Drilling contractor: Union Drilling Co

Address: P.O. Drawer 40
Buckhannon W.V. 26201

Phone: 304-472-4610

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

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
270	371	Very small amount	NO sample
371	585	Dry	
585	1024	Damp Dry	No sample
1024		Damp	NO sample

6. Formation tops:

By _____

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

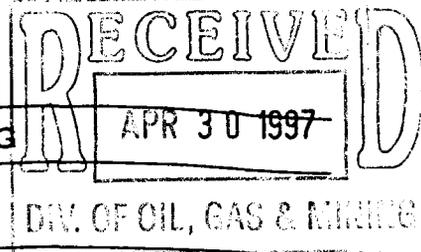
I hereby certify that this report is true and complete to the best of my knowledge.

Date: 3-31-97

Name & Signature: Chris Chapman

Title: DRILLER

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

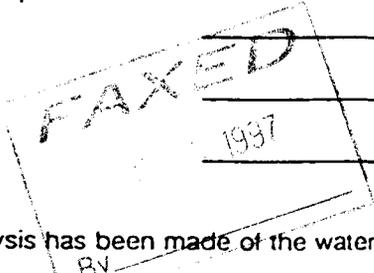


REPORT OF WATER ENCOUNTERED DURING DRILLING

- 1. Well name and number: UTE TRIBAL 30-09
API number: 43-013-31798
- 2. Well Location: QQ NENE Section 30 Township 5S Range 3W County Richmond
- 3. Well operator: PETROGLYPH
Address: P.O. Box 1607
Roosevelt, UT 84066 Phone: 801-722-2531
- 4. Drilling contractor: Union DRILLING
Address: Drawer 40
Rockhampton WVA 26201 Phone: _____
- 5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	205	DRY	-
205	282	DAMP	FRESH
282	388	1/4" x 7"	FRESH
388	1142	DRY	
1142		1/8 to 1/4" x 7"	FRESH

6. Formation tops: Blowtest 1400' 1/8 to 1/4" x 7" Fresh



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: 4/15/97

Name & Signature: [Signature] Title: Driller

OPERATOR Petroglyph Operating Company, Inc. OPERATOR ACCT. NO. N3100
 ADDRESS P.O. Box 1839
Hutchinson, KS 67504-1839

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	APE NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12139	43-013-31797	Ute Tribal 29-12	NWSW	29	5S	3W	Duchesne	3/22/97	
WELL 1 COMMENTS: (Common Tank) Entity added 6-11-97. jcc											
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 COMMENTS section to explain why each Action Code was selected.

(3/89)

Deanna Bell
 Signature Deanna Bell
 Operations Coordinator 3-25-97
 Title _____ Date _____
 Phone No. (801) 722-2531

06/11/97 16:03 FAX 8017229145

PETROGLYPH OPERATING COMPANY, INC.

P. O. Box 1839
Hutchinson, Kansas 67504-1839
Tele: (316) 665-8500
Fax: (316) 665-8577

P. O. Drawer 607
Roosevelt, Utah 84066
Tele: (801) 722-2531
Fax: (801) 722-9145

TELECOPIER TRANSMITTAL SHEET

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This transmission consists of 2 page(s), including this cover sheet. Please deliver to recipient immediately!

TO: Lisa COMPANY: _____
FROM: Jenna COMPANY: _____
FAX NUMBER: _____ DATE: 6/11/97
MESSAGE:

RECEIVED
OCT 22 1997
DIV. OF OIL, GAS & MINING

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 43 013 31797 T055 R03W 29
Ute Tribal 16-09	CNL & AIT
Ute Tribal 16-10	CNL & AIT
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

COMPLETION REPORT

CONFIDENTIAL

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Lease: Ute Tribal 29-12
API #: 43-013-31797
Location: 29 - 5 S - 3 W
County, St.: Duchesne UT

Property: 50137

Elevation: KB 6580
 GL 6570

AFE/EPE Number: 41302

Activity Date Daily Cost Activity Description

4/29/97	\$20,742.00	PERFORATIONS:
		5532-5534 Green River E (02) 4 SPF 8 shots
		5518-5524 Green River E (02) 4 SPF 24 shots
		5512-5514 Green River E (02) 4 SPF 8 shots
		4774-4782 Green River C (09) 4 SPF 32 shots
		4749-4753 Green River C (06.1) 4 SPF 16 shots
		4622-4624 Green River C (05) 4 SPF 8 shots
		4614-4617 Green River C (05) 4 SPF 12 shots
		4600-4603 Green River C (04) 4 SPF 12 shots
		WELLBORE:
		6024 RTD
		6026 LTD
		5976 PBTD
		6018 CSA

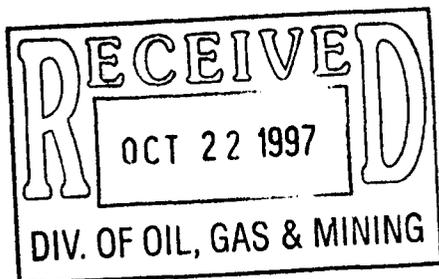
Open well w/ all zones open & swbd to 35% oil cut & FL @ 2700' yesterday. This AM SICP @ 300 psi. SITP @ 100 psi. RU & make 1 swb run. FL @ 1100' & had 400' oil on top. Flow csg to tank to 0 psi.

RIH to 5975' w/ no tag. Circ well clean & POOH. PU & RIH w/ BHA to ± 5649'. ND BOPs & frac head. NU prod'n head & set B2 TAC & land w/ ± 10000# tension.

PU & RIH w/ pump & rods. Seat pump & space out PR. Fill tbg w/ K wtr & test to 500 psi. Long stroke pump w/ good action. Too windy to RD. Will RD & move on 4-30-97. Waiting on surf equip.

TWTR @ 851 bbls.

TUBING DETAIL	LENGTH	DEPTH
KB	10.00	
2-7/8" x 6.5# J55 tbg (146 jts)	4514.91	
5½" B2 TAC	2.86	4524.91
2-7/8" x 6.5# J55 tbg (33 jts)	1021.76	
PSN	1.10	5549.53
2-7/8" x 6.5# J55 tbg (1 jts)	30.85	
Mech SN	.85	
6' Perf sub	6.10	
2-7/8" tbg (2 jts)	59.97	



COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well: Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date **Daily Cost** **Activity Description**

BP

.74

EOT @

5649.14

ROD DETAIL

1½' x 22' PR w/ liner

2' x 7/8' pony (1)

8' x 7/8' pony (1)

7/8" slick rods (85)

3/4" rods (136 - 11 guided each 4th from bottom)

2½' x 1-3/4' x 16' RHAC 40 ring PA

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well: Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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4/28/97	\$1,962.00	PERFORATIONS:
		5532-5534 Green River E (02) 4 SPF 8 shots
		5518-5524 Green River E (02) 4 SPF 24 shots
		5512-5514 Green River E (02) 4 SPF 8 shots
		4774-4782 Green River C (09) 4 SPF 32 shots
		4749-4753 Green River C (06.1) 4 SPF 16 shots
		4622-4624 Green River C (05) 4 SPF 8 shots
		4614-4617 Green River C (05) 4 SPF 12 shots
		4600-4603 Green River C (04) 4 SPF 12 shots
		WELLBORE:
		6024 RTD
		6026 LTD
		5976 PBTD
		6018 CSA

W/ all zones open SICP @ 0 psi & SITP @ 0 psi. Cont to RIH w/ 11bg & tag sand @ 5855'.
POOH to 5603' & RU to swb. Made 18 runs. IFL @ surf. Had trace of oil on run #3 & incr to
35% on last run. FFL @ 2700'. TWR @ 202 bbls. TOR @ 18 bbls. SWIFN.

FLUID RECOVERY

ZONE BLF:	1150
ZONE BLFR:	299
ZONE BLFTR:	851
ZONE % REC:	26.%
WELL BLF:	1150
WELL BLFR:	299
WELL BLFTR:	851
WELL % REC:	26.%

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 29-12
County, St.: Duchesne UT

Elevation: KB 6580
GL 6570

Activity Date	Daily Cost	Activity Description
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4/26/97	\$1,991.00	PERFORATIONS:
		5532-5534 Green River E (02) 4 SPF 8 shots
		5518-5524 Green River E (02) 4 SPF 24 shots
		5512-5514 Green River E (02) 4 SPF 8 shots
		4774-4782 Green River C (09) 4 SPF 32 shots
		4749-4753 Green River C (06.1) 4 SPF 16 shots
		4622-4624 Green River C (05) 4 SPF 8 shots
		4614-4617 Green River C (05) 4 SPF 12 shots
		4600-4603 Green River C (04) 4 SPF 12 shots
		4600-4603
		WELLBORE:
		6024 RTD
		6026 LTD
		5976 PBTD
		6018 CSA

Open well w/ C4-C5 zone fracd & flowed to 0 psi last PM. This AM SICP @ 0 psi. RIH w/ ret head & tag sand @ ± 4590'. Clean out to RBP @ 4650'. Rel RBP & POOH. LD RBP. PU & RIH w/ ret head. Tag sand @ 4708'. Clean out to RBP @ 5310'. Rel RBP & POOH & LD RBP. RIH w/ tbg to 4643'. SWIFN.

FLUID RECOVERY

ZONE BLF:	1150
ZONE BLFR:	97
ZONE BLFTR:	1053
ZONE % REC:	8.4%
WELL BLF:	1150
WELL BLFR:	97
WELL BLFTR:	1053
WELL % REC:	8.4%

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well: Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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4/25/97	\$32,406.00	PERFORATIONS: 5532-5534 Green River E (02) 4 SPF 8 shots 5518-5524 4 SPF 24 shots 5512-5514 4 SPF 8 shots 4774-4782 Green River C (09) 4 SPF 32 shots 4749-4753 Green River C (06.1) 4 SPF 16 shots 4622-4624 Green River C (05) 4 SPF 8 shots 4614-4617 4 SPF 12 shots 4600-4603 Green River C (04) 4 SPF 12 shots WELLBORE: 6024 RTD 6026 LTD 5976 PBTD 6018 CSA
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Open well w/ C9 zone fracd & flowed back last PM. This AM SICP @ 50 psi. RIH & clean out to 4800' (560' sand). Press to 3500 psi against sand plug above C9 perms. 0 psi loss in 15 min. POOH to 4770' & spot 6 bbls 15% HCL across C6 interval & POOH w/ tbg.

RU Schlumberger & perf C6.1 zone @ 4749-53' w/ 4 spf (16 holes). RU HES & bkdn C6.1 zone @ 3500 psi. IR @ 9 bpm @ 2300 psi. Frac C6.1 zone w/ 3800 gal Boragel 30 + 12500# 20/40 sand @ .5 - 8 ppg. MTP @ 3450 psi. ATP @ 2530 psi. MTR @ 17 bpm. ATR @ 16 bpm. ISIP @ 2350 psi. Pfg @ .93. 5 min @ 2313 psi.

RU Schlumberger & lub in hole w/ RBP & perf guns. Set RBP @ 4650' & test to 3000 psi. Perf C5 zone @ 4622-24' w 4 spf (8 holes) & 4614-17' w/ 4 spf (12 holes) & C4 zone @ 4600-03' w/ 4spf (12 holes). Attempt to bkdn w/ K wtr failed. Spot HCL @ perms w/ dump bailer & bkdn @ 2000 psi.

Frac C4-C5 zone w/ 250 gal 15% HCL ahead of 5868 gal Boragel 30 + 27500# 20/40 sand @ .5 to 10 ppg. MTP @ 2470 psi. ATP @ 2100 psi. MTR @ 28 bpm. ATR @ 26 bpm. ISIP @ 2135 psi. 5 min @ 1980 psi. Pfg @ .89.

Flow C4-C5 zones to tank @ 5 min SI @ ± 60 bph to 0 psi. Flowed 57 bbls in 1 hr to 0 psi. SWIFN.

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	3800	gal

PROPPANT:

Type	Total Lbs:	Ramp Range
1 20/40 sand	12500	.5-8

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 29-12
County, St.: Duchesne UT

Elevation: KB 6580
GL 6570

Activity Date Daily Cost Activity Description

PRESSURE/RATE:

Maximum:	3450 psi	17 BPM
Average:	2530 psi	16 BPM

SI PRESSURE:

	TP	CP
ISIP:	2350	
5 Min:	2213	

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	5868	gal

PROPPANT:

	Type	Total Lbs:	Ramp	Range
1	20/40 sand	27500		.5-10

PRESSURE/RATE:

Maximum:	2470 psi	28 BPM
Average:	2100 psi	26 BPM

SI PRESSURE:

	TP	CP
ISIP:	2135	
5 Min:	1980	

FLUID RECOVERY

ZONE BLF:	1150
ZONE BLFR:	97
ZONE BLFTR:	1053
ZONE % REC:	8.4%
WELL BLF:	1150
WELL BLFR:	97
WELL BLFTR:	1053
WELL % REC:	8.4%

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well: Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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4/24/97	\$33,252.00	PERFORATIONS: 5532-5534 Green River E (02) 4 SPF 8 shots 5518-5524 4 SPF 24 shots 5512-5514 4 SPF 8 shots 4774-4782 Green River C (09) 4 SPF 32 shots WELLBORE: 6024 RTD 6026 LTD 5976 PBD 6018 CSA
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Open well. Spot 6 bbls 15% HCL across E2 interval. POOH w/ tbg. RU Schlumberger & perf E2 zone @ 5512-14' w/ 4 spf (8 holes), 5518-24' w/ 4 spf (24 holes) & 5532-34' w/ 4 spf (8 holes).

RU HES & bkdn perms @ 1300 psi. IR @ 12.4 bpm @ 1267 psi. Attempt to frac E2 zone failed when blender valve washed out causing recirc of fluid. Job was aborted. Flowed well to pit to attempt to clean up. RIH w/ 2-7/8" tbg to 5540' & circ well clean. POOH w/ tbg.

RU HES & frac E2 zone w/ 5765 gal Boragel 30 w/ 28000# 20/40 sand @ .5 - 10 ppg. MTP @ 1930 psi. ATP @ 1700 psi. MTR @ 37 bpm. ATR @ 36 bpm. ISIP @ 1490 psi. Pfg @ .7. Lub in hole w/ RBP & perf gun. Set RBP @ 5310' & test to 3000 psi. Perf C9 zone @ 4774-82' w/ 4 spf (32 holes). Attempt to bkdn w/ K wtr failed.

RIH w/ dump bailer & spot HCL @ perms. Bkdn C9 perms @ 220 psi. RU HES & frac C9 zone w/ 250 gal 15% HCL & 10320 gal Boragel 30 + 65100# 20/40 @ .5 - 10 ppg. Zone screened out w/ ± 1500 gal left to flush placing ± 52200# prop in formation & ± 13000# in csg. MTP @ 4330 psi. ATP @ 2950 psi. MTR @ 28 bpm. ATR @ 25.6 bpm. 5 min SI @ 3855 psi. Flow well to pit @ 5 min SI @ ± 60 bph to 0 psi. Flowed 40 bbls to 0 psi. SWIFN.

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	5765	gal

PROPPANT:

Type	Total Lbs:	Ramp Range
1 20/40 sand	28000	.5-10

PRESSURE/RATE:

Maximum:	1930 psi	37 BPM
Average:	1700 psi	36 BPM

SI PRESSURE:

TP CP

COMPLETION REPORT

10/15/97

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well: Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

ISIP: 1490

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	10320	gal

PROPPANT:	Type	Total Lbs:	Ramp Range
1	20/40 sand	65100	.5-10

PRESSURE/RATE:

Maximum:	4330 psi	28 BPM
Average:	2950 psi	25.6 BPM

SI PRESSURE:

	TP	CP
5 Min:	3855	

FLUID RECOVERY

ZONE BLF:	701
ZONE BLFR:	40
ZONE BLFTR:	661
ZONE % REC:	5.7%
WELL BLF:	701
WELL BLFR:	40
WELL BLFTR:	661
WELL % REC:	5.7%

4/21/97	\$5,283.00	WELLBORE:
		6024 RTD
		6026 LTD
		5976 PBTD
		6018 CSA

MIRU serv rig & equip. NU frac head & BOPs. PU & RIH w/ tbg. (no tag @ ± 20' as w/ Schlumberger during attempt to CBL). POOH & RU Schlumberger & run CBL. RD Wireline. PU. Talley & RIH w/ 179 jts of 2-7/8" tbg to ± 5540'. Test csg to 4500 psi & SWIFN.

Cumulative Cost: \$95,636.00

Days Since Start: 9

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-H62-3518

6. IF INDIAN, ALOTTEE 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 29-12

3. ADDRESS OF OPERATOR
P.O. Box 607, Roosevelt, UT 84066 (801) 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 1865' FSL 699' FWL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
NWSW Sec. 29-T5S-R3W

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At top prod. interval reported below

14. PERMIT NO. ~~43-012-21655~~ 43-013-31797
DATE ISSUED 2/24/97

12. County or Parish Duchesne
13. State Utah

At total depth 6024' RTD

15. DATE SPUDDED 3/22/97

16. DATE T.D. REACHEE 4/2/97

17. DATE COMPLETED (Ready to prod.) 4/29/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6570' GL
19. ELEV. CASINGHEAD 6570'

20. TOTAL DEPTH, MD & TVD 6024' RTD

21. PLUG BACK T.D., MD & TVD 5975'

22. IF MULTIPLE COMPL., HOW MANY* 4

23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)*
Green River

25. WAS DIRECTIONAL SURVEY MADE

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

27. WAS WELL CORED

28. 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#	357'	12-1/4"	225 sxs Class G	
5-1/2"	15.5#	6018'	7-7/8"	96 sxs Highfill	
				320 sxs Thixotropic	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5649'	

31. PERFORATION RECORD (Interval, size and number)
E2 5532-34 (8 shots) C5 4614-17 (12 shots)
E2 5518-24 (24 shots) C4 4600-03 (12 shots)
E2 5512-14 (8 shots)
C9 4774-82 (32 shots)
C6.1 4749-53 (16 shots)
C5 4622-24 (8 shots)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
5512-5534' 5765 gal Boragel, 28000# 20/40 prop
4774-82' 250 gal HCl & 10320 gal Boragel, 65100# 20/40 prop
Note: 52200# in formation & 13000# in casing
4749-53' 3800 gal Boragel, 12500# 20/40 prop
4622-4600' 250 gal HCl & 6868 gal Boragel, 27500# 20/40 prop

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33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)					
7/24/97	2 1/2" x 1-3/4" x 16' RHAC 40 ring PA pump	producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
7/29/97	24			68	30	0	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	850						

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

35. LIST OF ATTACHMENTS

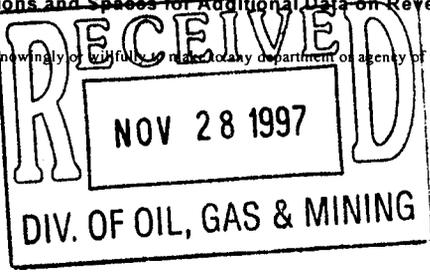
EXPIRED ON 5-29-98

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

Signed Melissa 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.



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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	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
B Marker	3944		CONFIDENTIAL			
X Marker	4427					
Y Marker	4463					
Douglas Creek	4566					
B Limestone	4940					
Castle Peak	5488					
Basal Carbonate	5922					

WORKOVER REPORT

5/18/00

Petroglyph Operating Co., Inc.

Type: convert to injector

Operator: Petroglyph Operating Company, Inc. **Elevation:** KB 6580
Lease: Ute Tribal 29-12 GL 6570
API #: 43-013-31797 **Property:** 10300
Location: 29 - 5 S - 3 W **AFE/EPE Number:**
County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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3/6/00	\$693.00	
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4 PM MIRU. Rig stand by @ 5 PM.

3/7/00	\$3,709.00	
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7 AM remove horse head & unseat pump. LD 2 slick 7/8" rods. Flush rods w/ 40 bbls treated wtr. POOH LD 85 slick 7/8" rods, 124 slick 7/8" rods, 11 guided 3/4" rods & pump #2166. Change over to tbg. ND flow line & well head. Release 5 1/2" B2 TAC @ 5 turns. NU BOP & RU floor. PU 3 jts 2 7/8" tbg @ 86.69. RIH & check rat hole. EOT @ 5414' +/- POOH w/ 3 jts & LD. POOH w/ 2 7/8" prod tally out. Strap @ 5627' = 180 jts. LD gas anchor, perf sub, & B2 TAC. PU & RIH w/ 4 star scraper & mill to 5714' +/- POOH w/ mill & scraper. Re-dress BV. PU & RIH w/ BVBP & RTTS to 4500'. Secure well @ 6:30 PM. No sign of scale on tbg or gas anchor.

WORKOVER REPORT

5/18/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well: Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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3/8/00	\$16,712.00	
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7 AM open well & resume RIH w/ 5 1/2 RTTS & BV. Set BV @ 5625' & TRRS @ 5602'. Test tools to 3000. Break dwn & acidize E2, C9, & C.1. Separate RTTS @ 5410'. RU & swab E5. IFL @ 400' & FFL @ 4800'. 8 runs made & 35 bbls recovered. PH 6-0-5. B/w run 7 & 8 waited 30 min w/ 300' fluid entry. Release RTTS & RIH. Catch & release BV & POOH set BV @ 4961'. POOH set RTTS @ 4497'. RU swab equipment & secure well & drain lines @ 5:50 PM.

STIMULATION E2 5512-34'
TREATMENT

Fluid volume: 19, 36.6

Fluid type: acid & chem, flush treated wtr

TREATING PRESSURE

Maximum: 986 psi @ 5 BPM

Average: 730 psi @ 3.4 BPM

SI PRESSURE

ISIP: 660

5 min: 225

10 min: 54

STIMULATION C9 4874-82'
TREATMENT

Fluid volume: 23.8, 36.3

Fluid type: acid & chem, flush treated wtr

TREATING PRESSURE

Maximum: 2496 psi @ 5 BPM

Average: 1875 psi @ 3 BPM

SI PRESSURE

ISIP: 1604

5 min: 845

10 min: 431

15 min: 187

TREATMENT really good action w/ multiple breaks

REMARKS:

STIMULATION C6.1 4749-53'
TREATMENT

Fluid volume: 12, 47

Fluid volume: acid & chem, flush treated wtr

TREATING PRESSURE

Maximum: 2344 psi @ 5 BPM

Average: 1757 psi @ 2.7 BPM

SI PRESSURE

ISIP: 2144

5 min: 1604

10 min: 1215

15 min: 934

WORKOVER REPORT

5/18/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well: Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

STIMULATION TREATMENT C4 & C5 4600-24'
 Fluid volume: 19, 31.5
 Fluid type: acid & chem, flush treated wtr
 TREATING PRESSURE
 Maximum: 2212 psi @ 4.1 BPM
 Average: 1512 psi @ 3.3 BPM
 SI PRESSURE
 ISIP: 1836
 5 min: 1576
 10 min: 1405
 15 min: 1266

3/9/00 \$2,600.00

7 AM open well & swwab C4, C5, C6.1, & C9 together. IFL @ 2800' w/ 2 PH. FFL @ 4000'. 10 runs made approximately 25 bbls. Recovered PH 2-0-4. After run 3 make 1 hr run due to lack of fluid. Release RTTS @ 4497'. RIH & release BV @ 4961'. POOH LD 2 7/8" prod. Secure well @ 5:30 PM.

3/10/00 \$7,714.00

7 AM open well & resume POOH. LD 2 7/8" tbg, 5 1/2" RTTS & BV. Change over to 2 3/8". PU 5 1/2" Hydro I pkr, 2 3/8" pup sub & F nipple. NU BHA & RIH picking up 2 3/8" injection tbg 139 jts @ 4490'. RD floor & ND BOP. Drop std valve & try set pkr. Caught psi max @ 1700 & last psi. Retrieve std valve & rebuild pkr not set. Drop & chase std valve w/ sandline. Try set pkr again, no luck. Retrieve std valve, valve okay. Pump 15 bbls down tbg & drop std valve. Caught circ & had to retrieve std valve. Roll hole & pump 80 bbls treated wtr w/ pkr fluid. Drop std valve & try set pkr, no luck. Secure well @ 6 PM.

3/11/00 \$11,192.00

7 AM open well. RU & POOH w/ 2 3/8" injection tbg & Hydro I pkr. Check out pkr. Found metal shavings from tbg. RIH w/ Hydro I & drift tbg. RD floor. Pump & set pkr w/ pkr fluid in place. Pkr w/ 10,000 comp. NU well head. Retrieve standing valve. Pre-form psi test on csg. 1500 psi @ 10 min. Secure well @ 12:30 PM.

TUBING DETAIL	LENGTH	DEPTH
KB	10.00	10.00
139 jts 2 3/8" tbg	4490.07	4500.07
5 1/2" Hydro I	8.41	4508.48
2 3/8" sub	4.12	4512.60
2 3/8" F nipple	.87	4513.47
EOT		4513.47

3/13/00 \$764.00

7 AM RD unit & pump lines. Police location @ 9 PM.

WORKOVER REPORT

5/18/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 29-12
County, St.: Duchesne UT

Elevation: KB 6580
GL 6570

Activity Date	Daily Cost	Activity Description
Cumulative Cost:	\$43,384.00	
Days Since Start:	8	

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
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LOCATE WELL AND OUTLINE UNIT ON SECTION PLAT - 640 ACRES 	STATE UT	COUNTY Duchesne	PERMIT NUMBER UT2736-04523
SURFACE LOCATION DESCRIPTION NW 1/4 OF SW 1/4 SECTION 29 TOWNSHIP 5S RANGE 3W LOCATE WELL IN TWO DIRECTIONS FROM NEAREST LINES OF QUARTER SECTION AND DRILLING UNIT Surface Location 1865 ft. from South Line of quarter section and 699 ft. from West 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 6024	TYPE OF PERMIT <input type="checkbox"/> Individual <input checked="" type="checkbox"/> Area Number of Wells 1
Lease Name Ute Tribal		Date Rework Commenced 3/7/00	Well Number Ute Tribal 29-12
		Total Depth After Rework 6024	
		Date Rework Completed 3/13/00	

WELL CASING RECORD - BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	
8-5/8" 24#	357'	225	Class g	5512	5534	5765 gal Boragel, 28000# 20/40 prop
5-1/2" 15.5#	6018	96/320	Highfill/Thixotrop	4774	4782	250 gal HCL & 10320 gal Boragel, 65100# 20/40 prop
						Note: 52200# in formation & 13000# in casing
				4749	4753	3800 gal Boragel, 12500# 20/40 prop
				4600	4622	250 gal HCL & 6868 gal Boragel, 27500# 20/40 prop

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

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

DESCRIBE REWORK OPERATIONS IN DETAIL
 USE ADDITIONAL SHEETS IF NECESSARY

WIRE LINE LOGS, LIST EACH TYPE

Complete as injection w/ 2-3/8" @ 4490'. Set pkr, test annulus. Performed M.I.T. test.	Log Types CNL, AIT, CBL	Logged Intervals
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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).

NAME AND OFFICIAL TITLE (Please type or print) Micheal Safforu Operations Coordinator	SIGNATURE 	DATE SIGNED 4/4/00
---	---------------	-----------------------

Ute Tribal 29-12

Page 2 Treatment record

Perforations		Acid or Fracture Treatment Record
From	To	
5512	5534	Acidzed zone with 791 gals 7.5 HCL w/ additives
4874	4882	Acidzed zone with 977.5 gals 7.5 HCL w/ additives
4749	4753	Acidzed zone with 495.5 gals 7.5 HCL w/ additives
4600	4624	Acidzed zone with 664 gals 7.5 HCL w/ additives



Petroglyph Energy, Inc.

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

April 5, 2000

RE: EPA AREA PERMIT NO. UT2736-00000
Ute Tribal 29-12, NW SW Sec. 29-T5S-R3W, Duchesne County, Utah
EPA Permit No. UT 2736-04523

Zone E-2 in Ute Tribal 29-12 is perforated at a depth of 5532-34' and estimated to be less than or equal to 2047 psi based on .37 psi pressure gradient.

Dynamic fluid levels were recorded from 1/99 through 8/99, with the downhole pump set @ 5549' KB. The highest pumping fluid level was recorded on 8/17/99 @ 2042' and a producing casing pressure of 39 psi.

Estimated pore pressures would, therefore, be calculated as follows:

$$5549' - 2042' = 3507' \text{ total fluid} \times .433 \text{ psi/ft} = 1518 \text{ psi} + 39 \text{ psi} + 14 \text{ psia} = 1571 \text{ psi (this implies a pressure gradient of } 1571 \text{ psi/5549}' = .28 \text{ psi/ft)}$$

Well Name:	DATE	Fluid Level From Surface (ft.)	Total Fluid Level (ft.)	Gas free Fluid Above Pump (ft.)	Casing Press. (psi.)
29-12	1/5/99	5449	101	75	39.0
29-12	7/14/99	5411	139	93	46.0
29-12	8/17/99	3508	2042	1369	39.0

Ute Tribal 29-12
Wellbore Diagram
After Conversion

Well History:

- 3/22/97 Spud Well

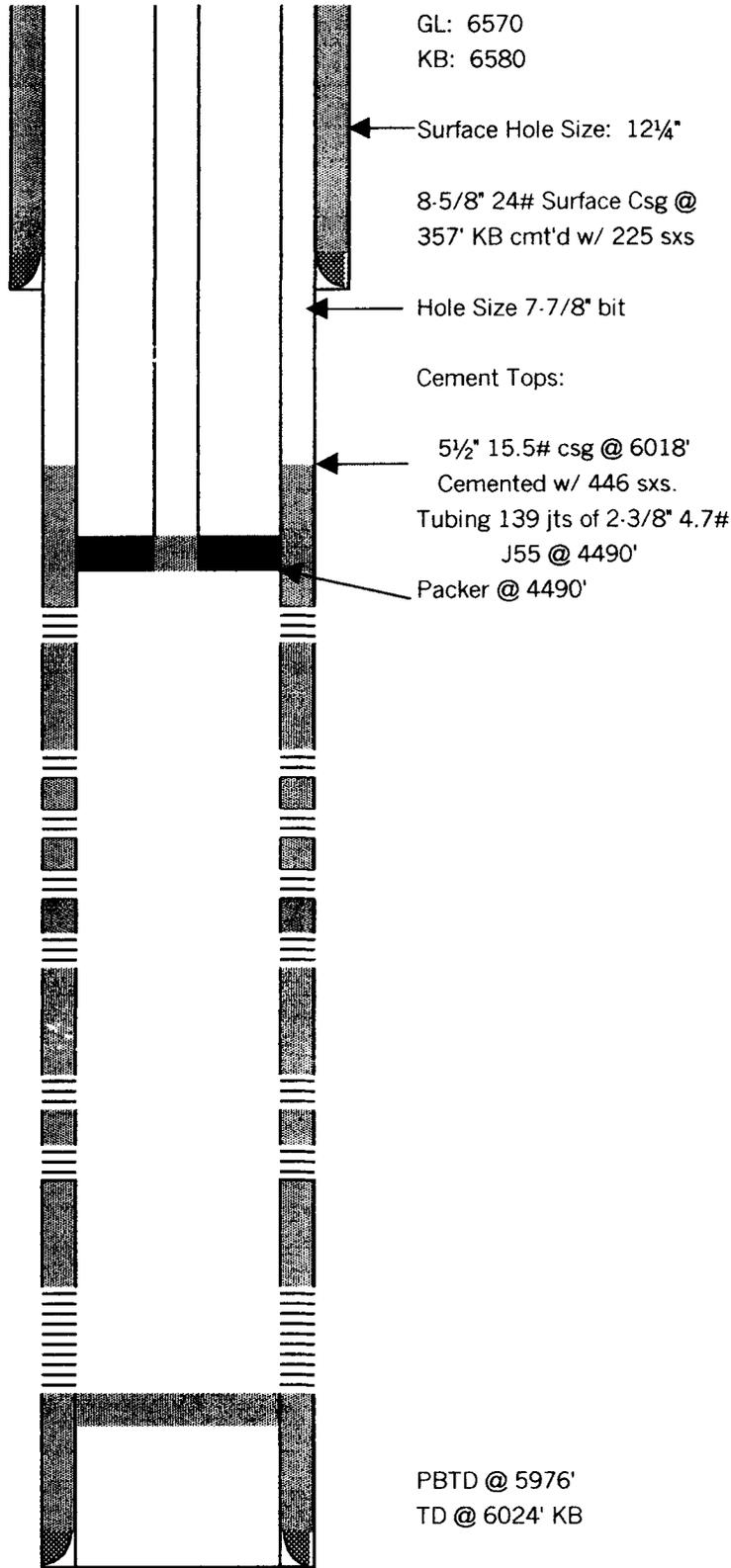
- 7/24/97 First Production

- 4/25/97 C-4 Zone
perfs 4600' to 4603' 4 spf
C-5 Zone
perfs 4614' to 4617' 4 spf
4622' to 4624' 4 spf
Frac'ed, ISIP 2135 psi

- 4/25/97 C-6.1 Zone
Perfs 4774' to 4782' 4 spf
frac'ed, ISIP 2350 psi

- 4/24/97 C-9 Zone
Perfs 4774' to 4782' 4 spf
frac'ed, screened out ISIP not
a valid number

- 4/24/97 E-2 Zones
Perfs 5512' to 5514' 4 spf
5518' to 5524' 4 spf
5532' to 5534' 4 spf
frac'ed, ISIP 1490 psi



Petroglyph Operating Co., Inc. Ute Tribal 29-12 1865' FSL & 699' FWL NW SW Sec. 29-T5S-R3W Antelope Creek Field Duchesne Co, Utah Lease #14-20-H62-3518 API #43-013-31714
--

(Not to Scale)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well (Footage, Sec., T., R., or Survey Description)
**1865' FSL & 699' FWL
NWSW Sec. 29-T5S-R3W**

5. Lease Designation and Serial No.
14-20-H62-3518

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

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

8. Well Name and No.
Ute Tribal 29-12

9. API Well No.
43-013-31797

10. Field and Pool, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

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

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

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

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

Petroglyph Operating Company, Inc. has submitted an application for a UIC permit to convert the Ute Tribal 29-12 from a producing well to an injection well under the EPA Area Permit #UT2736-00000 within the Antelope Creek Waterflood Project Area located in Duchesne County, Utah.

14. I hereby certify that the foregoing is true and correct.
 Signed *W. Paul Smith* Title Operations Coordinator Date 2-21-00

(This space for Federal or State official use)
 Approved by _____ Title _____ Date _____
 Conditions of Approval, if any:

WELL HISTORY:

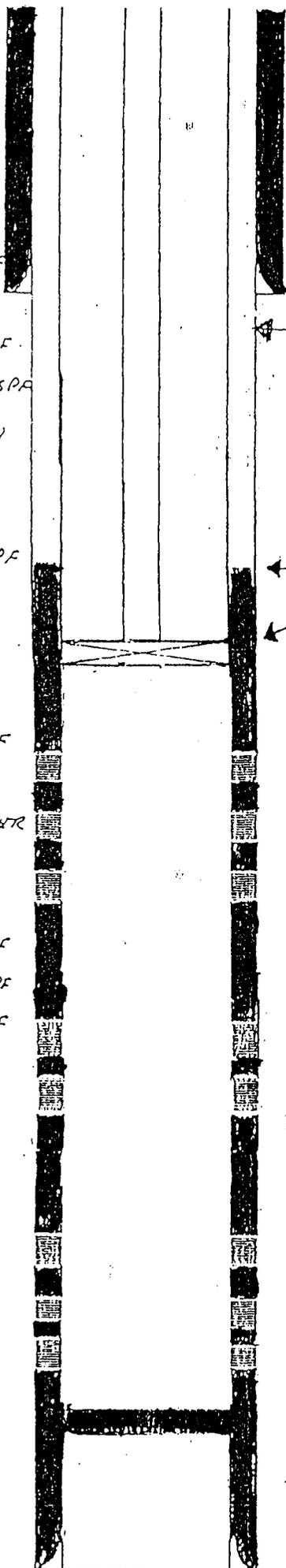
SPUD WELL: 03-22-97
 FIRST PROD: 07-24-97

04-25-97 C-4 ZONE
 PERFS, 4600 TO 4603 4SPF
 C-5 ZONES
 PERFS, 4614 TO 4617 4SPF
4622 TO 4624 4SPF
 FRAC'ED, ISIP 2135 PSI

04-25-99 C-6.1 ZONE
 PERFS, 4749 TO 4753 4SPF
 FRAC'ED, ISIP 2350 PSI

04-24-97 C-9 ZONE
 PERFS, 4774 TO 4782 4SPF
 FRAC'ED, SCREENED OUT
 ISIP NOT A VALID NUMBER

4-24-97 E-2 ZONES
 PERFS, 5512 TO 5514 4SPF
5518 TO 5524 4SPF
5532 TO 5534 4SPF
 FRAC'ED, ISIP 1490 PSI



GL: 6570
 KB: 6580

Surface Hole Size 12 1/4"

8 5/8" 24# Surface Csg @
357' KB Cmt'd w/ 225 sxs

Hole Size: 7 7/8" Bit.

Cement Tops:
 1st Stage: _____

5 1/2" 15.5# CSG @ 6018'
 CMT'd w/ 416 Sxs. 1st Stage

141 JTS OF
2 3/8" 4.7# TUBING
 SET ON PACKER AT 4512'

✓ PBTD @ 5952
 TD @ 6035' KB

Petroglyph Operating Co., Inc.

Ute Tribal # 29-12

5' FSW AND 699' FWL

N SW SEC 29-55-3W

Antelope Creek Field

Duchesne Co, Utah

6 # 14-20-H62-351P

217 217

(Not to Scale)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
14-20-H62-3518

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

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

8. Well Name and No.
Ute Tribal 29-12

9. API Well No.
43-013-31797

10. Field and Port, or Exploratory Area
Antelope Creek

11. County or Parish, State
Duchesne County, UT

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Petroglyph Operating Company, Inc.

3. Address and Telephone No.
P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well: (Footage, Sec., T., R., or Survey Description)
**1865' FSL & 699' FWL
NWSW Sec. 29-T5S-R3W**

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

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

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

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

Further to BLM & EPA approval (Permit #UT2736-04523), Enclosed are copies of the MIT and job summary. Injection commenced on 5/7/2000.

DIVISION OF

14. I hereby certify that the foregoing is true and correct.
Signed [Signature] Title Operations Coordinator Date 5-24-00

(This space for Federal or State official use)
Approved by _____ Title _____ Date _____
Conditions of Approval, if any:

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



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 500
DENVER, CO 80202-2466

APR 17 2000

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Micheal Safford
Operations Coordinator
Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, UT 84066

Re: AUTHORIZATION TO COMMENCE INJECTION
Ute Tribal #29-12 (UT04523)
Antelope Creek Field
EPA AREA PERMIT UT2736-00000
Duchesne County, Utah

Dear Mr. Safford:

Thank you for submitting information pertaining to Ute Tribal #29-12 to the Environmental Protection Agency (EPA) Region VIII Groundwater Program. Requirements of UIC Area Permit UT2736-00000 Part II Sections (C)(2) "Prior To Commencing Injection" required submittal of the following information:

1. Well Rework Record (EPA Form 7520-12) with after conversion well schematic,
2. Successfully run Mechanical Integrity Test (MIT) with pressure chart,
3. Injection zone fluid pore pressure survey.

All required information has been submitted, and has been reviewed and approved by the EPA. Petroglyph has complied with all pertinent conditions of UIC Area Permit UT2736-00000 Part II Section (C)(2). Therefore, effective upon your receipt of this letter, Administrative approval hereby is granted for injection into the Ute Tribal #29-12 under the conditions of UIC Area Permit UT2736-00000. The Director has determined that the maximum surface injection pressure for the Ute Tribal #29-12 shall not exceed 1900 psig.

DIVISION OF
GAS AND AIR QUALITY



Printed on Recycled Paper

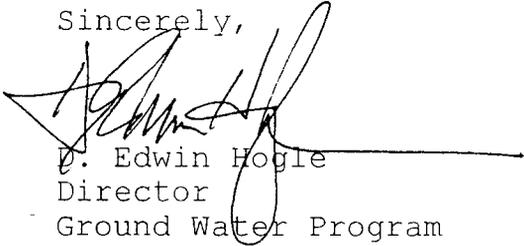
Please be reminded that it is the responsibility of the permittee to be aware of, and to comply with, all conditions of the Permit. Effective upon receipt of this letter, EPA administration of this well is transferred to Mr. Bahram Jafari, Compliance Officer in the Office of Enforcement, Compliance, and Environmental Justice Technical Enforcement Program, who is your point of contact for routine compliance matters and reports.

Please send all reporting forms and other required correspondence to Mr. Jafari at the address listed below, referencing EPA WELL ID: UT04523 on all reports and correspondence.

Mr. Bahram Jafari,
 Technical Enforcement Program, Mail Code 8ENF-T
 U.S. Environmental Protection Agency
 999 18th Street, Suite 500
 Denver, Colorado, USA, 80202-2466

If you have any questions concerning this authorization or the Permit, please contact Mr. Dan Jackson of my staff at 303.312.6155 or Mr. Jafari at 303.312.6459.

Sincerely,



P. Edwin Hogle
 Director
 Ground Water Program

cc: Mr. Ronald McCook, Chairman
 Uintah & Ouray Business Committee
 Ute Indian Tribe

Ms. Elaine Willie, Environmental Director
 Ute Indian Tribe

Mr. Norman Cambridge
 BIA - Uintah & Ouray Agency

Mr. Gil Hunt
 State of Utah Natural Resources
 Division of Oil, Gas, and Mining

Mr. Jerry Kenczka
 BLM - Vernal District Office

RECEIVED
 DIVISION OF
 OIL, GAS, AND MINING

RECEIVED APR 24 2000

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
 Underground Injection Control Program, UIC Direct Implementation Program BPW-03
 599 18th Street, Suite 500 Denver, CO 80202-2466

EPA Witness: _____ Date: 3/16/00
 Test conducted by: CHAD STEVENSON
 Others present: _____

Well Name: <u>CITE TRIBAL 29-12</u>	Type: ER SWD	Status: AC TA UC
Field: <u>ANTELOPE CREEK</u>		
Location: <u>29-12</u> Sec: <u>29 T 5 N 13 R 3 E 1/4</u> County: <u>DULHESNE</u> State: <u>WY</u>		
Operator: <u>PETROGLYPH OPERATING COMPANY</u>		
Last MIT: <u>1</u> / <u>1</u>	Maximum Allowable Pressure:	PSIG

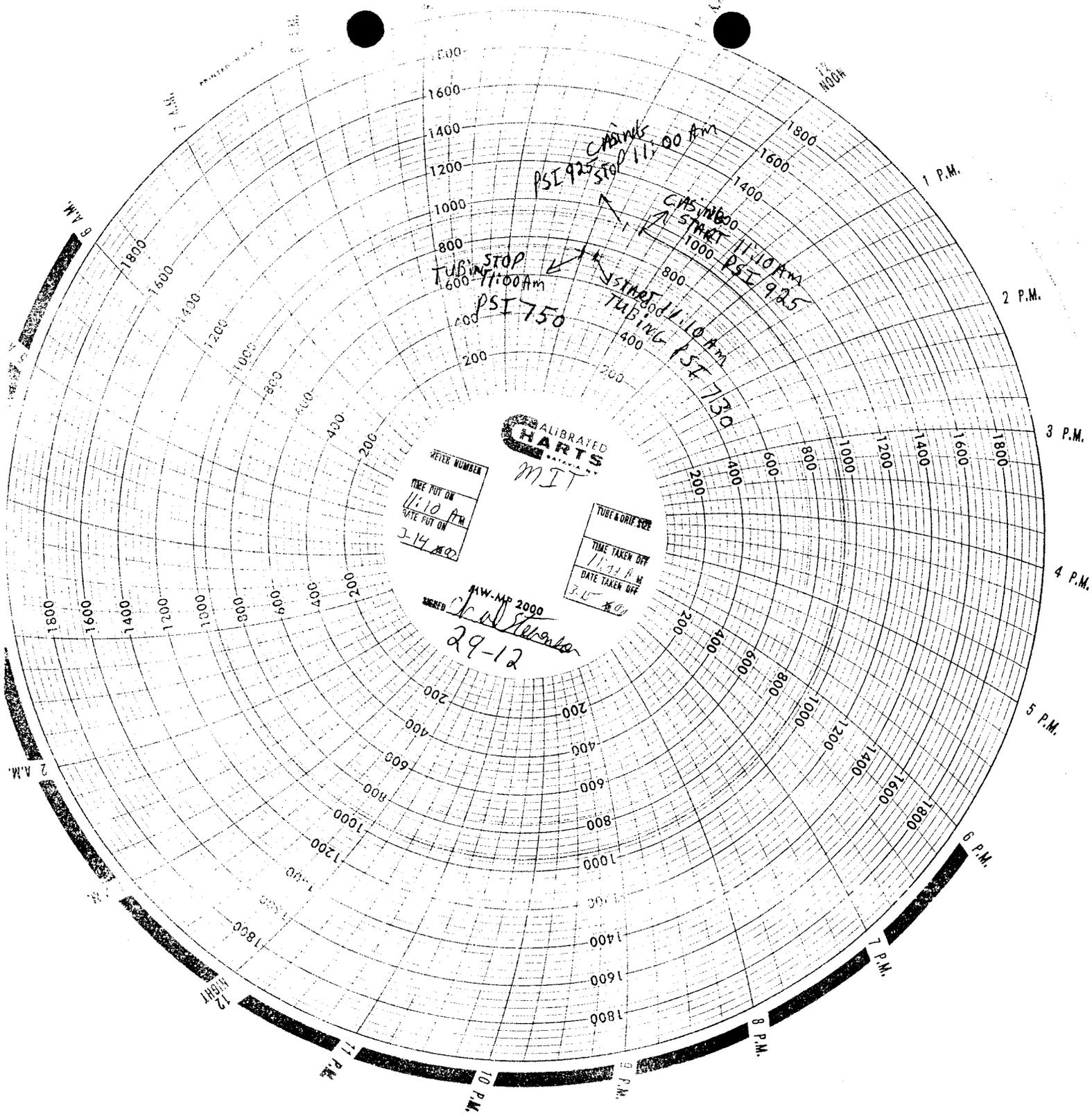
Is this a regularly scheduled test? Yes No
 Initial test for permit? Yes No
 Test after well rework? Yes No
 Well injecting during test? Yes No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: 925 / 730 psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	<u>730</u> psig	psig	psig
End of test pressure	<u>750</u> psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	<u>925</u> psig	psig	psig
5 minutes	<u>925</u> psig	psig	psig
10 minutes	<u>925</u> psig	psig	psig
15 minutes	<u>925</u> psig	psig	psig
20 minutes	<u>925</u> psig	psig	psig
25 minutes	<u>925</u> psig	psig	psig
30 minutes	<u>925</u> psig	psig	psig
<u>24 Hours</u> minutes	<u>925</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

DIVISION OF
 CONSERVATION



DIVISION OF
 CONTROL

WORKOVER REPORT

3/15/200

Petroglyph Operating Co., Inc.

Operator	Petroglyph Operating Company, Inc.	Elevation:	KB 6580
Lease	Ute Tribal 29-12		GL 6570
API #	43-013-31797	Property	50137
Location	29 - 5 S - 3 W	AFE/EPE Numt	41302
County, St.:	Duchesne UT	Event Typ	convert to injector

Activity Date Daily Cost Activity Description

3/13/200

7 AM RD unit & pump lines. Police location @ 9 PM.

3/11/200

7 AM open well. RU & POOH w/ 2 3/8" injection tbg & Hydro I pkr. Check out pkr. Found metal shav Hydro I & drift tbg. RD floor. Pump & set pkr w/ pkr fluid in place. Pkr w/ 10,000 comp. NU well hear valve. Pre-form psi test on csg. 1500 psi @ 10 min. Secure well @ 12:30 PM.

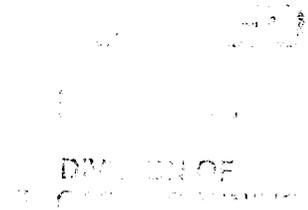
TUBING DETAIL	LENGT	DEPTI
KB	10.00	10.00
139 jts 2 3/8" tbg	4490.0	4500.0
5 1/2" Hydro I	8.41	4508.4
2 3/8" sub	4.12	4512.6
2 3/8" F nipple	.87	4513.4
EOT		4513.4

3/10/200

7 AM open well & resume POOH. LD 2 7/8" tbg, 5 1/2" RTTS & BV. Chang over to 2 3/8". PU 5 1/2" sub & F nipple. NU BHA & RIH picking up 2 3/8" injection tbg 139 jts @ 4490'. RD floor & ND BOR. pkr. Caught psi max @ 1700 & last psi. Retrieve std valve & rebuild pkr not set. Drop & chase std va set pkr again, no luck. Retrieve std valve, valve okay. Pump 15 bbls dwn tbg & drop std valve. Caug std valve. Roll hole & pump 80 bbls treated wtr w/ pkr fluid. Drop std valve & try set pkr, no luck. Sec

3/9/200

7 AM oen well & swwab C4, C5, C6.1, & C9 together. IFL @ 2800' w/ 2 PH. FFL @ 4000'. 10 runs n bbls. Recovered PH 2-0-4. After run 3 make 1 hr run due to lack of fluid. Release RTTS @ 4497'. R 4961'. POOH LD 2 7/8" prod. Secure well @ 5:30 PM.



RECEIVED MAR 28 2000

WORKOVER REPORT

3/15/2000

Petroglyph Operating Co., Inc.

Operator Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

3/8/2000

7 AM open well & resume RIH w/ 5 1/2 RTTS & BV. Set BV @ 5625' & TRRS @ 5602'. Test tools to acidize E2, C9, & C.1. Separate RTTS @ 5410'. RU & swab E5. IFL @ 400' & FFL @ 4800'. 8 runs recovered. PH 6-0-5. B/w run 7 & 8 waited 30 min w/ 30C' fluid entry. Release RTTS & RIH. Catch & set BV @ 4961'. POOH set RTTS @ 4497'. RU swab equipment & secure well & drain lines @ 5:50

STIMULATION E2 5512-34'

TREATMENT

Fluid volume: 19, 36.6

Fluid type: acid & chem, flush treated wtr

TREATING PRESSURE

Maximum: 986 psi @ 5 BPM

Average: 730 psi @ 3.4 BPM

SI PRESSURE

ISIP: 660

5 min: 225

10 min: 54

STIMULATION C9 4874-82'

TREATMENT

Fluid volume: 23.8, 36.3

Fluid type: acid & chem, flush treated wtr

TREATING PRESSURE

Maximum: 2496 psi @ 5 BPM

Average: 1875 psi @ 3 BPM

SI PRESSURE

ISIP: 1604

5 min: 845

10 min: 431

15 min: 187

TREATMENT really good action w/ multiple breaks

REMARKS:

STIMULATION C6.1 4749-53'

TREATMENT

Fluid volume: 12, 47

Fluid volume: acid & chem, flush treated wtr

TREATING PRESSURE

Maximum: 2344 psi @ 5 BPM

Average: 1757 psi @ 2.7 BPM

SI PRESSURE

ISIP: 2144

5 min: 1604

10 min: 1215

DIVISION OF

WORKOVER REPORT

3/15/2000

Petroglyph Operating Co., Inc.

Operator Petroglyph Operating Company, Inc.

Elevation: KB 6580

Well Ute Tribal 29-12

GL 6570

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

15 min: 934
STIMULATION TREATMENT C4 & C5 4600-24'
Fluid volume: 19, 31.5
Fluid type: acid & chem, flush treated wtr
TREATING PRESSURE
Maximum: 2212 psi @ 4.1 BPM
Average: 1512 psi @ 3.3 BPM
SI PRESSURE
ISIP: 1836
5 min: 1576
10 min: 1405
15 min: 1266

3/7/200

7 AM remove horse head & unseat pump. LD 2 slick 7/8" rods. Flush rods w/ 40 bbls treated wtr. PC rods, 124 slick 7/8" rods, 11 guided 3/4" rods & pump #2166. Change over to tbg. ND flow line & well B2 TAC @ 5 turns. NU BOP & RU floor. PU 3 jts 2 7/8" tbg @ 86.69. RIH & check rat hole. EOT @ jts & LD. POOH w/ 2 7/8" prod tally out. Strap @ 5627' = 180 jts. LD gas anchor, perf sub, & B2 TAC scraper & mill to 5714' +/- . POOH w/ mill & scraper. Re-dress BV. PU & RIH w/ BVBP & RTTS to 45 6:30 PM. No sign of scale on tbg or gas anchor.

3/6/200

4 PM MIRU. Rig stand by @ 5 PM.

Cumulative Cost:

Days Since Start:

RECEIVED MAR 15 2000



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

DEC 02 2010

Ref: 8ENF-UFO

CERTIFIED MAIL 7005-0390-0000-4848-8215
RETURN RECEIPT REQUESTED

RECEIVED

DEC 06 2010

DIV. OF OIL, GAS & MINING

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

5S 3W 29

Re: Underground Injection Control (UIC)
Permission To Resume Injection
Tribal 29-12 Well
EPA Permit #UT20736-04523
API # 43-013-31797
Antelope Creek Oil Field
Duchesne County, UT

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

FOR RECORD ONLY

Dear Mr. Bywater:

On November 9, 2010 EPA received information from Petroglyph Operating Company, Inc. on the above referenced well concerning the workover to address low injection flow rates and the followup mechanical integrity test (MIT) conducted on October 25, 2010. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before October 25, 2015.

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

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

If you have any questions concerning this letter, you may contact Nathan Wiser at (303) 312-6211. Please direct all correspondence to the attention of Nathan Wiser at Mail Code 8ENF-UFO.

Sincerely,



Sandra A. Stavnes, Director
UIC/FIFRA/OPA Technical Enforcement Program

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

Frances Poowegup, Vice-Chairwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Stewart Pike, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Irene Cuch, Councilwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Curtis Cesspooch, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026



Mike Natchees, Environmental Coordinator
Ute Indian Tribe
P.O. Box 460
Fort Duchesne, Utah 84026

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

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



S.P.H.T.E

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

FORM 9

5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H623518	
SUNDRY NOTICES AND REPORTS ON WELLS	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE TRIBE	
7. UNIT or CA AGREEMENT NAME: 1420H624650	
8. WELL NAME and NUMBER: UTE TRIBAL 29-12	
9. API NUMBER: 4301331797	
10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK	
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>WATER INJECTION</u>	
2. NAME OF OPERATOR: PETROGLYPH	
3. ADDRESS OF OPERATOR: BOX 607 CITY ROOSEVELT STATE UT ZIP 84066 PHONE NUMBER: (435) 722-2531	
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865' FSL & 699' FWL COUNTY: DUCHESNE QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 29 5S 3W STATE: UTAH	

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

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

On 10-13-10 Petroglyph moved in rig on this well due to failed MIT (hole in tbg.)
Due to low inj. rate at high pressure , Petroglyph re-perfed all existing perfs. and acidized as listed below.

All reperfs. 4spf @ 120* phasing
C4= 4600'-4603' & 4614'-4617' reperf
C5=4622'-4624' reperf
C6.1=4749'-4753' reperf
C9=4874'-4882' reperf
E2=5512'-5514' & 5518'-5524' reperf

Acidize:
4600'-4624' w/312 gals. 15% HCL
4749'-4753' w/312 gals. 15% HCL
4874'-4882' w/312 gals 15% HCL
5512'-5524' w/312 gals 15% HCL

Accepted by the
Utah Division of
Oil, Gas and Mining

FOR RECORD ONLY

Run pkr. and tbg., run successful MIT-Well returned to inj. on 12/7/10 after recieving EPA approval.

NAME (PLEASE PRINT) <u>Jason Bywater</u>	TITLE <u>District Superintendent</u>
SIGNATURE: <u><i>Jason Bywater</i></u>	DATE <u>1/20/11</u>

(This space for State use only)

RECEIVED

JAN 24 2011

DIV. OF OIL, GAS & MINING



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8**

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

DEC 02 2010

Ref: 8ENF-UFO

CERTIFIED MAIL 7005-0390-0000-4848-8215
RETURN RECEIPT REQUESTED

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

Re: Underground Injection Control (UIC)
Permission To Resume Injection
Tribal 29-12 Well
EPA Permit #UT20736-04523
API # 43-013-31797
Antelope Creek Oil Field
Duchesne County, UT

Dear Mr. Bywater:

On November 9, 2010 EPA received information from Petroglyph Operating Company, Inc. on the above referenced well concerning the workover to address low injection flow rates and the followup mechanical integrity test (MIT) conducted on October 25, 2010. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before October 25, 2015.

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

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

Petroglyph Operating Co. Inc.

Ute Tribal 29-12
API No. 43-013-31797
Duchesne County, Utah
October 15, 2010

15% HCl Treatment

1

8 bpm via Casing & Tubing



Prepared For:
Leon Roush
Office:
Fax:
Cell: 435-823-6195
E-Mail:

Prepared For:

Office:
Fax:
Cell:
E-Mail:

Reviewed By:

Office: #N/A
E-Fax: #N/A
Cell: #N/A
E-Mail: #N/A

District Manager:
Brett Truss
Office: 453-781-1953
E-Fax: 435-781-1945
Cell: 435-790-4090
E-Mail: btruss@fractech.net

Sales Representative:
Vernon J. Fitchette
Office: 435-781-1953
E-Fax: 435-781-1945
Cell: 435-790-3109
E-Mail: vfitchette@fractech.net

Prepared By:
Vernon J. Fitchette
Office: 435-781-1953
E-Fax: 435-781-1945
Cell: 435-790-3109
E-Mail: vfitchette@fractech.net

↑ N/LON SWL FEDE

Frac Tech Services, LTD
 4395 E 4700 South
 Vernal, UT 84079



Field Receipt No: 11-0000568
 Revision: 1
 Date: 10/15/2010
 Page: 1 of 1

Customer Name: Petroglyph Operating Co. Inc.
 Billing Address: PO Box 7608
 Boise, ID 83707
 Lease Name: Ute Tribal 29-12
 Job Description: 15% HCl Treatment
 Job Depth: 5,182 to 5,818
 API Number: 43-013-31797
 Legal Description: S29-T5S-R3W
 County / State: Duchesne County, Utah

Stage: 1
 Sales: Vernon J. Fitchette-70-405
 AFE 0

AUXILIARY CHARGES

Item	Quantity	Description	Rate	Unit	Gross	Discount	Net
DA003 / DA003	1.00	AUX - Acid Monitoring Van	\$ 1,000.00	per stg	\$ 1,000.00	75.00%	\$ 250.00
Subtotal					\$ 1,000.00		\$ 250.00

MISC CHARGES

HEM01 / HEM01	60.00	MISC - Mileage Heavy Vehicle	\$ 7.25	unit/mile	\$ 435.00	75.00%	\$ 108.75
LEM01 / LEM01	0.00	MISC - Mileage Light Vehicle	\$ 4.40	unit/mile	\$ -	75.00%	\$ -
FC24	1.00	MISC - Fuel Charge Acid Jobs	\$ 218.75	per hr	\$ 218.75	0.00%	\$ 218.75
SSI03	1.00	MISC - Field Performance Incentive (Non-Frac)	\$ 150.00	per day	\$ 150.00	0.00%	\$ 150.00
Subtotal					\$ 653.75		\$ 477.50

PUMP & BLENDER CHARGES

AFP01	1.00	P&B - Acid Pump 0-2500 psi, Non Energized	\$ 3,700.00	ea/1st 2 hrs	\$ 3,700.00	75.00%	\$ 925.00
AT002	0.00	P&B - Acid Transport > 2000 gal	\$ 150.00	per hr	\$ -	75.00%	\$ -
Subtotal					\$ 3,700.00		\$ 925.00

MATERIAL CHARGES

A3002 / AA016	1000.00	CHEM - 10.1% - 15% HCL	\$ 1.47	per gal	\$ 1,470.00	0.00%	\$ 1,470.00
CI-200 / M2036	8.00	CHEM - CI-200 (Corrosion Inhibitor)	\$ 72.80	per gal	\$ 582.40	0.00%	\$ 582.40
M2012 / M2011	6.00	CHEM - FE 100L (Iron Chelator)	\$ 53.32	per gal	\$ 319.92	0.00%	\$ 319.92
FE-200L / M2012	10.00	CHEM - FE 200 (Iron Chelator)	\$ 30.24	per lb	\$ 302.40	0.00%	\$ 302.40
M2019 / M2024	2.00	CHEM - MA-844W (Microemulsion Surfactant, CESI)	\$ 158.00	per gal	\$ 316.00	75.00%	\$ 79.00
MSA01 / M2154	0.00	CHEM - Mutual Solvent (MSA-1)	\$ 87.12	per gal	\$ -	75.00%	\$ -
Misc Chem	50.00	Sodium Bi-Carbonate	\$ 0.43	per lb	\$ 21.50	75.00%	\$ 5.38
Subtotal					\$ 2,990.72		\$ 2,759.10
Total					\$ 8,344.47		\$ 4,411.60

Authorization to Begin Service

I hereby authorize the work to commence per the service instructions and in accordance with the terms and conditions printed on the backside of this form and I represent that I have the authority to accept and sign this Field Receipt and Order on behalf of the Customer.

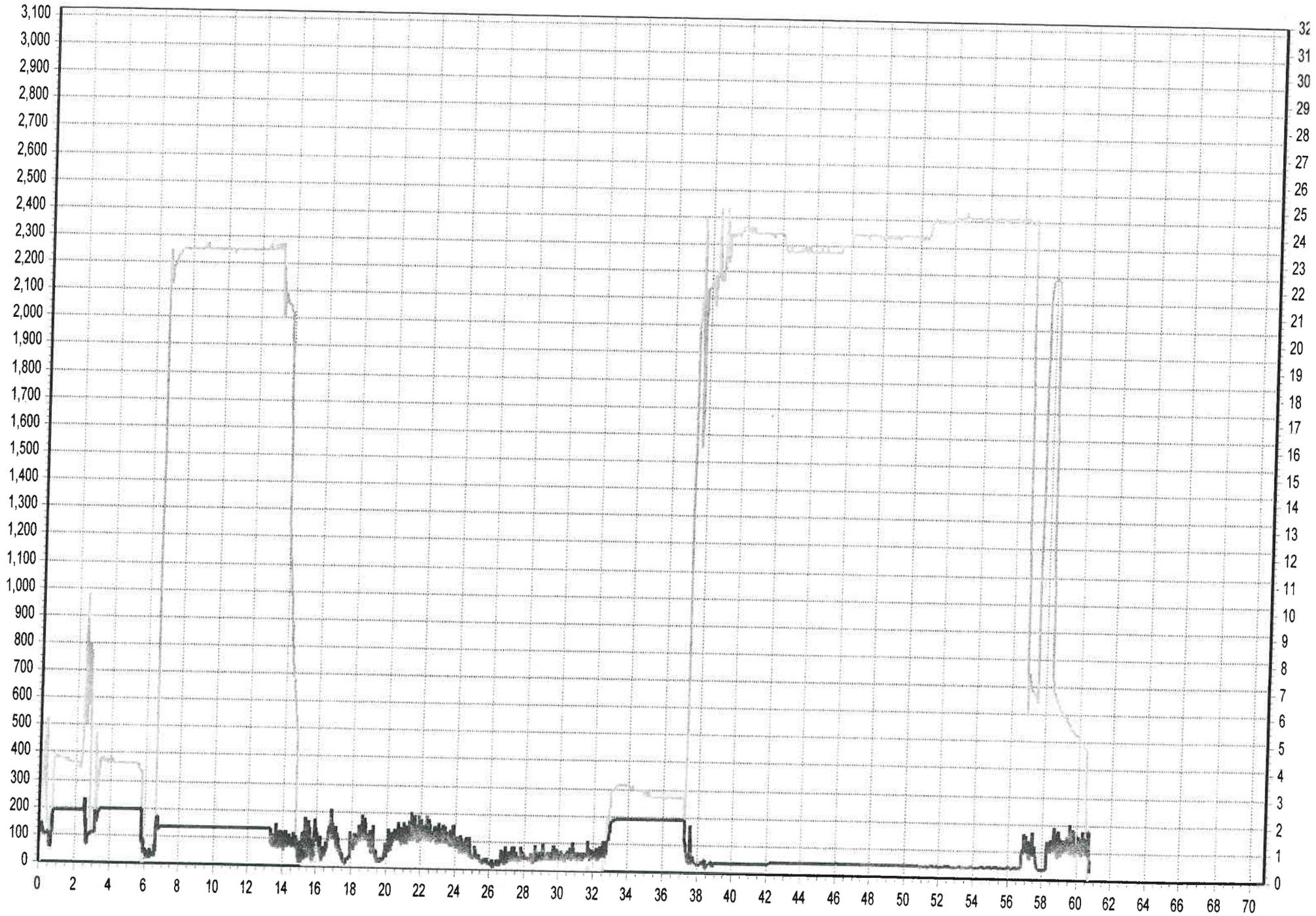
Signature _____

Completed Services

I certify that the materials and services listed above were satisfactorily received and all services were performed in a good and workman like manner.

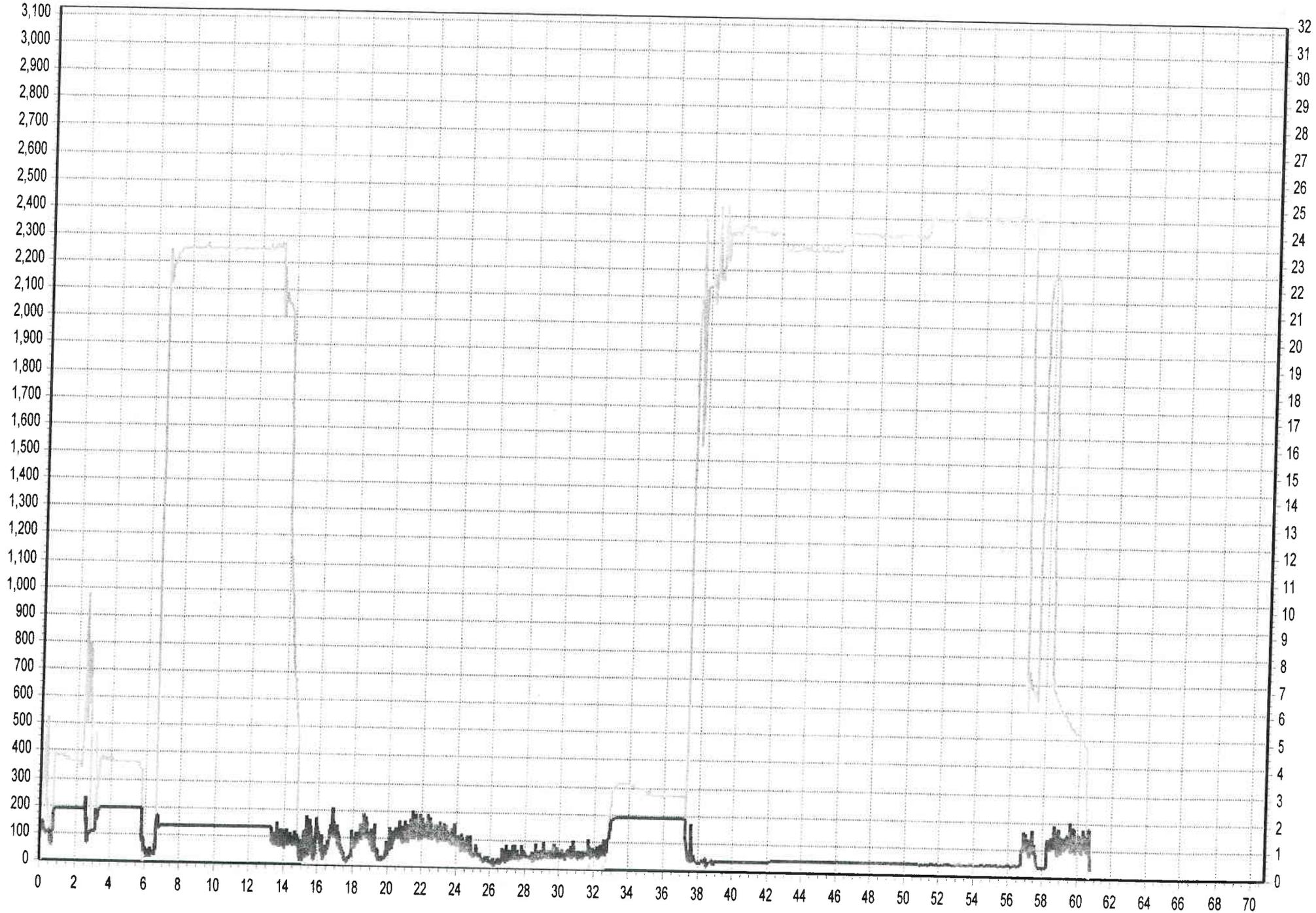
Signature _____

STP RATE



Petroglyph Operating Co. Acidize W Plug and Packer

STP RATE



Petroglyph Operating Co. Acidize W Plug and Packer

COPY

Proposal No: 11-0000572 Revision
AFE No:

1

Frac Tech Services, LTD
4395 E 4700 South
Vernal, UT 84079

Petroglyph Operating Co. Inc.

Ute Tribal 29-12
API No. 43-013-31797
Duchesne County, Utah
October 19, 2010

15% HCl Treatment
1
8 bpm via Casing & Tubing



Prepared For:
Leon Roush
Office:
Fax:
Cell: 435-823-6195
E-Mail:

District Manager:
Brett Truss
Office: 453-781-1953
E-Fax: 435-781-1945
Cell: 435-790-4090
E-Mail: btruss@fractech.net

Prepared For:
Office:
Fax:
Cell:
E-Mail:

Sales Representative:
Vernon J. Fitchette
Office: 435-781-1953
E-Fax: 435-781-1945
Cell: 435-790-3109
E-Mail: vfitchette@fractech.net

Reviewed By:
Office: #N/A
E-Fax: #N/A
Cell: #N/A
E-Mail: #N/A

Prepared By:
Vernon J. Fitchette
Office: 435-781-1953
E-Fax: 435-781-1945
Cell: 435-790-3109
E-Mail: vfitchette@fractech.net

Frac Tech Services, LTD
 4395 E 4700 South
 Vernal, UT 84079



Field Receipt No: 11-0000572
 Revision: 1
 Date: 10/19/2010
 Page: 1 of 1

Customer Name: Petroglyph Operating Co. Inc.
 Billing Address: PO Box 7608
 Boise, ID 83707
 Lease Name: Ute Tribal 29-12
 Job Description: 15% HCl Treatment
 Job Depth: 5,182 to 5,818
 API Number: 43-013-31797
 Legal Description: S29-T5S-R3W
 County / State: Duchesne County, Utah

Stage: 1
 Sales: Vernon J. Fitchette-70-405
 AFE 0

AUXILIARY CHARGES

Item	Quantity	Description	Rate	Unit	Gross	Discount	Net
DA003 / DA003	1.00	AUX - Acid Monitoring Van	\$ 1,000.00	per stg	\$ 1,000.00	75.00%	\$ 250.00
					Subtotal	\$ 1,000.00	\$ 250.00

MISC CHARGES

HEM01 / HEM01	60.00	MISC - Mileage Heavy Vehicle	\$ 7.25	unit/mile	\$ 435.00	75.00%	\$ 108.75
LEM01 / LEM01	0.00	MISC - Mileage Light Vehicle	\$ 4.40	unit/mile	\$ -	75.00%	\$ -
FC24	1.00	MISC - Fuel Charge Acid Jobs	\$ 218.75	per hr	\$ 218.75	0.00%	\$ 218.75
SSI03	1.00	MISC - Field Performance Incentive (Non-Frac)	\$ 150.00	per day	\$ 150.00	0.00%	\$ 150.00
					Subtotal	\$ 653.75	\$ 477.50

PUMP & BLENDER CHARGES

AFP01	1.00	P&B - Acid Pump 0-2500 psi, Non Energized	\$ 3,700.00	ea/1st 2 hrs	\$ 3,700.00	75.00%	\$ 925.00
AT001	1.00	P&B - Acid Transport < 2000 gal	\$ 100.00	per hr	\$ 100.00	75.00%	\$ 25.00
					Subtotal	\$ 3,800.00	\$ 950.00

MATERIAL CHARGES

A3002 / AA016	1250.00	CHEM - 10.1% - 15% HCL	\$ 1.47	per gal	\$ 1,837.50	0.00%	\$ 1,837.50
CI-200 / M2036	10.00	CHEM - CI-200 (Corrosion Inhibitor)	\$ 72.80	per gal	\$ 728.00	0.00%	\$ 728.00
M2012 / M2011	8.00	CHEM - FE 100L (Iron Chelator)	\$ 53.32	per gal	\$ 426.56	0.00%	\$ 426.56
FE-200L / M2012	13.00	CHEM - FE 200 (Iron Chelator)	\$ 30.24	per lb	\$ 393.12	0.00%	\$ 393.12
M2019 / M2024	3.00	CHEM - MA-844W (Microemulsion Surfactant, CESI)	\$ 158.00	per gal	\$ 474.00	75.00%	\$ 118.50
MSA01 / M2154	0.00	CHEM - Mutual Solvent (MSA-1)	\$ 87.12	per gal	\$ -	75.00%	\$ -
Misc Chem	50.00	Sodium Bi-Carbonate	\$ 0.43	per lb	\$ 21.50	75.00%	\$ 5.38
					Subtotal	\$ 3,859.18	\$ 3,509.06
					Total	\$ 9,312.93	\$ 5,186.56

Authorization to Begin Service

I hereby authorize the work to commence per the service instructions and in accordance with the terms and conditions printed on the backside of this form and I represent that I have the authority to accept and sign this Field Receipt and Order on behalf of the Customer.

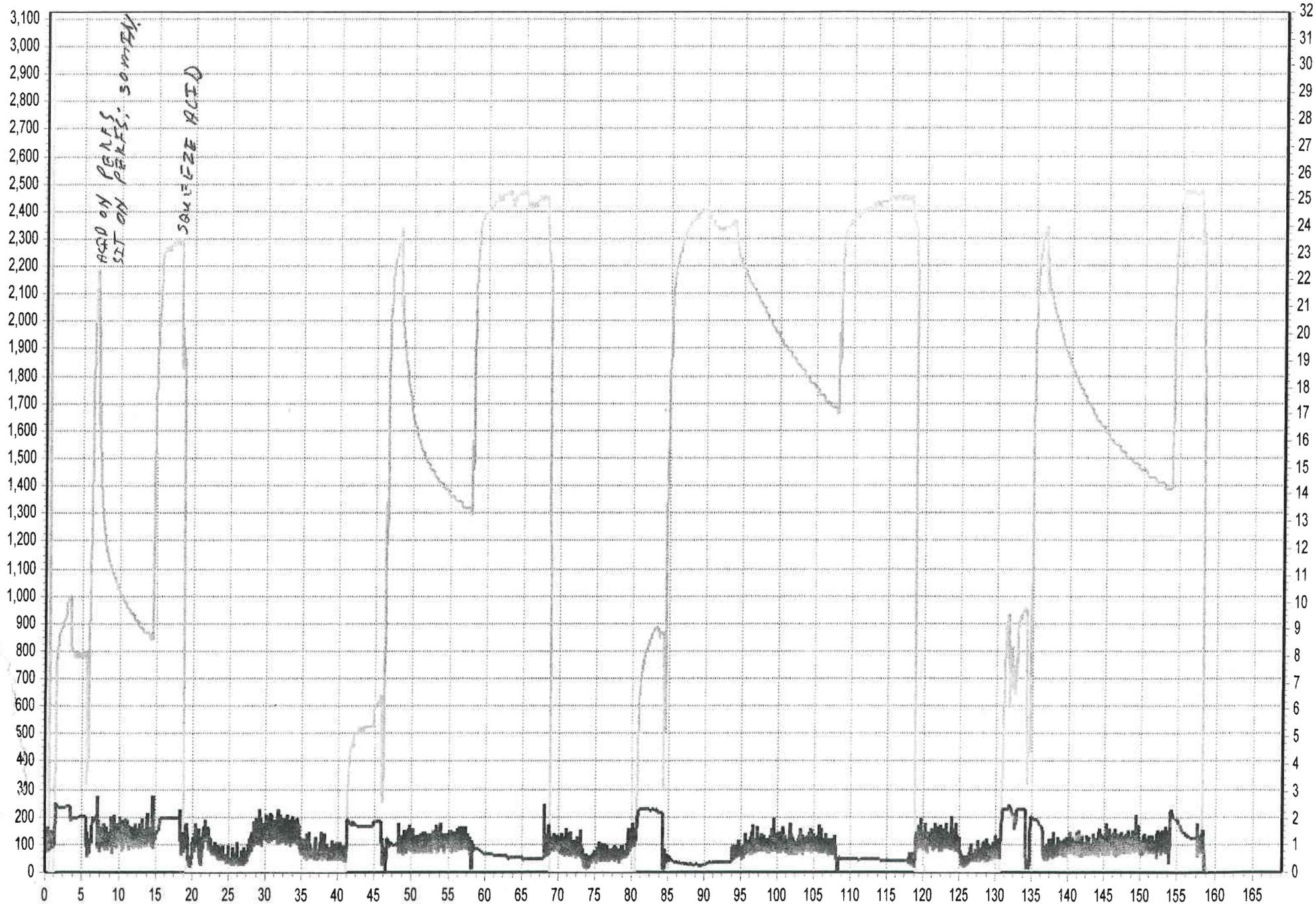
Signature _____

Completed Services

I certify that the materials and services listed above were satisfactorily received and all services were performed in a good and workman like manner.

Signature _____

STP RATE



Petroglyph Operating Co. Acidize W Plug and Packer

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING	FORM 9 5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3518
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME: 7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
1. TYPE OF WELL Water Injection Well	8. WELL NAME and NUMBER: UTE TRIBAL 29-12
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO	9. API NUMBER: 43013317970000
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703	PHONE NUMBER: 208 685-7685 Ext
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FSL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 29 Township: 05.0S Range: 03.0W Meridian: U	9. FIELD and POOL or WILDCAT: ANTELOPE CREEK COUNTY: DUCHESNE STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 3/27/2015	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

On or about 3/27/2015, depending on equipment availability, Petroglyph Operating plans to re-perforate the referenced well. We plan to release the packer and pull all tubing, scan log on the way out, lay down all bad pipe, make a bit and scraper run to PBTD and circulate the well. Existing perforations are as follows: 5532-34, 5518-24, 5512-14, 4874-82, 4749-53, 4622-24, 4614-17 & 4600-03. We plan to re-perforate and add new perms. We plan to shoot the following: 5532-40, 5505-27, 5484-91, 5466-74, 5424-30, 5400-06, 5392-96, 5249-53, 5243-45, 5218-23, 4870-86, 4749-53, 4739-43, 4659-69, 4622-25, 4613-18, 4596-4604, 4350-55, 4264-74 & 4126-44. We will break down perms, test, run in with an Arrowset 1 Packer and perform a Mechanical Integrity Test. Injection will resume after EPA Approval is received. Guns: Titan 3-1/8" cont 22.7 gram charges, 0.42"EHD, 23.54" TTP @ 4 SPF @ 120* phased.

Approved by the
March 31, 2015
Oil, Gas and Mining

Date: _____
 By: Derek Quist

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 3/24/2015	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3518
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Water Injection Well		7. UNIT or CA AGREEMENT NAME: ANTELOPE CREEK
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		8. WELL NAME and NUMBER: UTE TRIBAL 29-12
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		9. API NUMBER: 43013317970000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1865 FSL 0699 FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSW Section: 29 Township: 05.0S Range: 03.0W Meridian: U		9. FIELD and POOL or WILDCAT: ANTELOPE CREEK
		COUNTY: DUCHESNE
		STATE: UTAH

11.

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/18/2015	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>

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

Please see attached.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
June 03, 2015**

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 6/1/2015	

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-3518
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Water Injection Well</u>			7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.			8. WELL NAME and NUMBER: Ute Tribal 29-12
3. ADDRESS OF OPERATOR: P.O. Box 607		CITY <u>Roosevelt</u> STATE <u>UT</u> ZIP <u>84066</u>	9. API NUMBER: 4301331797
4. LOCATION OF WELL FOOTAGES AT SURFACE: <u>1865' FSL 699' FWL</u>		PHONE NUMBER: <u>(435) 722-2531</u>	10. FIELD AND POOL, OR WILDCAT: Antelope Creek
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: <u>NWSW 29 5S 3W U</u>		COUNTY: <u>Duchesne</u>	STATE: <u>UTAH</u>

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: <u>5/18/2015</u>	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

On May 12, 2015 we rigged up on the well to address a loss of mechanical integrity and re-perforate existing perforations and add some new perforations. We released the packer and pulled the tubing, scan logging on the way out. We laid down the whole string. We picked up new tubing, made a bit and scraper run past all perforations to 5,691' and circulated and cleaned the well. We then perforated the following: 5,532'-40', 5,505'-27', 5,484'-91', 5,466'-74', 5,424'-30', 5,400'-06', 5,392'-96', 5,249'-53', 5,243'-45', 5,218'-23', 4,870'-86', 4,749'-53', 4,739'-43', 4,659'-69', 4,622'-25', 4,613'-18', 4,596'-4,604', 4,350'-55', 4,264'-74' & 4,126'-44'. Perforations were made using were Titan 4" guns containing 19 grams charges, 0.40" EHD, 16.33" TTP, 4 SPF @ 120° Phased. We isolated various intervals and tested their injection rates. We pulled all tools and ran in with a new Arrowset 1 Packer and new tubing, breaking and doping all joints on the way in, then set the packer, pressure tested the tubing and performed and MIT on the casing to 1,900 Psi with no loss. The plan going forward is to perform a step rate test on the well, analyze the results and calculate a new MAIP, and submit results for approval to resume injection. Please contact our staff if you have any questions or need any additional information.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE	DATE <u>6/1/2015</u>

(This space for State use only)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

JUN 02 2015

Ref: 8ENF-UFO

RECEIVED

JUN 08 2015

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

DIV. OF OIL, GAS & MINING

Rodrigo Jurado, Regulatory Compliance Specialist
Petroglyph Operating Company, Inc.
4116 West 3000 South Ioka Lane
P.O. Box 2653
Roosevelt, Utah 84066

*Ute Tribal 29-12
29 5S 3W*

Re: Underground Injection Control (UIC)
Permission to Resume Injection
EPA Well No. UT20736-04523
EPA Permit No. UT20736-10000
API # 43-013-31797
Antelope Creek Oil Field
Duchesne County, Utah

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

Dear Mr. Jurado:

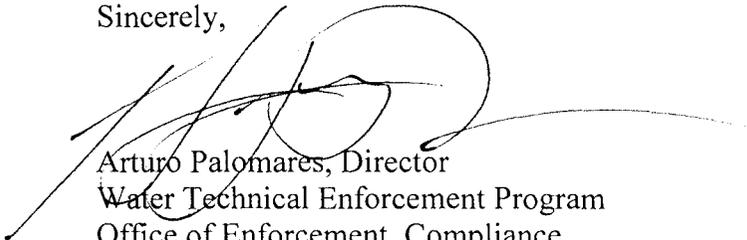
On May 21, 2015, the Environmental Protection Agency (EPA) received information from Petroglyph Operating Company, Inc. (Petroglyph) on the above referenced well concerning the workover to address a loss of mechanical integrity and the followup mechanical integrity test (MIT) conducted on May 20, 2015. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. § 144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before May 20, 2020.

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

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

If you have any questions concerning this letter, you may contact Gary Wang at (303) 312-6469. Please direct all correspondence to the attention of Gary Wang at Mail Code 8ENF-UFO.

Sincerely,



Arturo Palomares, Director
Water Technical Enforcement Program
Office of Enforcement, Compliance
and Environmental Justice

cc: Gordon Howell, Chairman, Uintah & Ouray Business Committee
Ronald Wopsock, Vice-Chairman, Uintah & Ouray Business Committee
Reannin Tapoof, Executive Assistant, Uintah & Ouray Business Committee
Stewart Pike, Councilman, Uintah & Ouray Business Committee
Tony Small, Councilman, Uintah & Ouray Business Committee
Bruce Ignacio, Councilman, Uintah & Ouray Business Committee
Phillip Chimburas, Councilman, Uintah & Ouray Business Committee
Manuel Myore, Director of Energy, Minerals and Air Programs
Brad Hill, Utah Division of Oil, Gas and Mining

