

Petroglyph Energy, Inc.
P.O. Box 607
Roosevelt, Utah 84066

October 18, 2000

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

RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL 29-14
SE/SW, SECTION 29, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3518
UTE TRIBAL LANDS

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

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

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

Sincerely,



Ed Trotter
Agent
Petroglyph Energy, Inc.

Attachments

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DIVISION OF
OIL, GAS AND MINING

UDOGM-TRIBAL-POCI

**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 ENERGY, INC.

3. Address and Telephone Number
P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531

4. Location of Well (Report location clearly and in accordance with any State requirements.)
At surface **679' FSL & 1942' FWL SE/SW** *4429173 N*
At proposed prod. Zone *564122 E*

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

15. Distance from proposed location to nearest property or lease line, ft. **679'**
(Also to nearest drig. 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 **6124'**

20. Rotary or cable tools **ROTARY**

21. Elevations (show whether DF, RT, GR, etc.)
6624 FEET GRADED GROUND

22. Approx. date work will start
NOVEMBER 2000

5. Lease designation and serial number
BIA-14-20-H62-3518

6. If Indian, Allottee or Tribe name
UTE TRIBAL LAND

7. Unit Agreement Name
14-20-H62-3518

8. Farm or lease name, well no.
UTE TRIBAL

9. API Well No.
UT 29-14

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#	250'	135 SX CLASS "G" + 2% CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	5 1/2"	15.50#	6124'	50/50 POXMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

SEE ATTACHMENTS FOR:

- 8 POINT PLAN
- BOP SCHEMATIC
- SURFACE USE AND OPERATING PLAN
- LOCATION PLAT
- LOCATION LAYOUT
- TOPOGRAPHIC MAPS "A", "B", C AND "D"

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PETROGLYPH ENERGY, 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

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.

SIGNED *[Signature]* TITLE **Agent** DATE 10-18-2000

(This space for Federal or State office use)

PERMIT NO. 43-013-32201 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 **BRADLEY G. HILL** DATE 11/20/00

RECLAMATION SPECIALIST III

**Federal Approval of this
Action is Necessary**

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

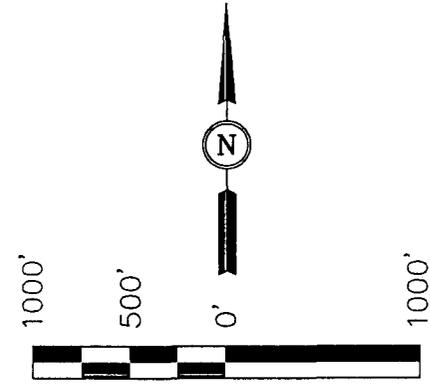
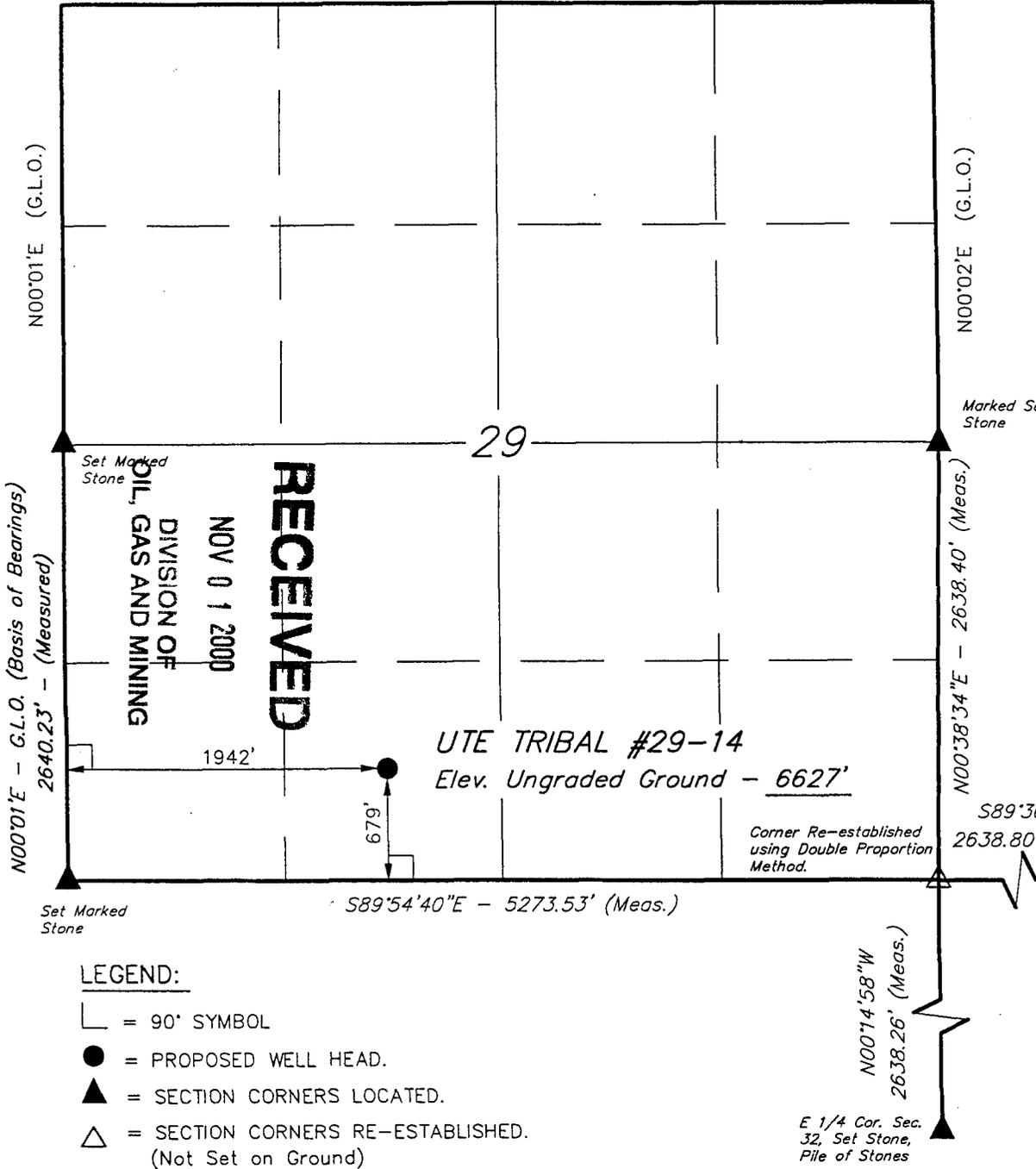
S89°48'E - 79.94 (G.L.O.)

PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #29-14, located as shown in SE 1/4 SW 1/4 of Section 29, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

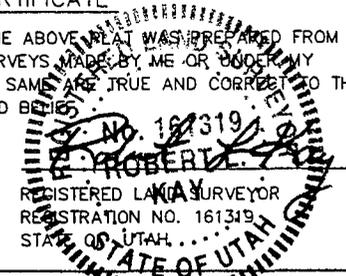
BRASS CAP SET IN CONCRETE BY SUNRISE ENGINEERING LOCATED IN THE SE 1/4 OF SECTION 16, T5S, R3W, U.S.B.&M. SAID ELEVATION IS MARKED AS BEING 6281.9 FEET.



SCALE

CERTIFICATE

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



UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 1-8-98	DATE DRAWN: 1-26-98
PARTY G.S. K.R. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE PETROGLYPH OPERATING CO., INC.	

Lisha Cordova - Re: New APD-Petroglyph-Antelope Creek Project

From: <Jerry_Kenczka@ut.blm.gov>
To: <Michael_Coulthard@ut.blm.gov>, "Lisha Cordova" <nrogm.lcordova@state.ut.us>, <CharlesCameron@bia.gov>
Date: 11/17/2000 9:34 AM
Subject: Re: New APD-Petroglyph-Antelope Creek Project
CC: <Ed_Forsman@ut.blm.gov>

Lisha:

The agreement for the area in question was a Tribal negotiated agreement and although the terms are similar to a unit, it is not recognized as a "unit", simply because of the Tribe's distrust of unit agreements given their experience with the Roosevelt Unit and the terminated Spring Hollow Unit. The agreement called for what would be considered to be a Plan of Development and reviewed/approved by the Department of the Interior, but BLM has never been provided a copy of any submittals for review. So if any thing of this nature has been submitted, I would have to surmise that it has gone to BIA for review rather than BLM. Basically our office's involvement has been to review APDs submitted for any concerns, just like we would do on a lease basis, and then monitor drilling/production/etc. operations. This is a different process for us than a normal Unit process because the Tribe has the authority to negotiate their own mineral agreements. BLM reviews those agreements only if asked by BIA. Any comments we have may or may not be included in the final agreement, but we have to administer the operations based upon the agreement language.

By the way, there will be another similar agreement coming forward for Barrett Resources, but it will only involve approximately 640 acres amongst 4 sections.

Michael Coulthard
11/17/2000 09:06 AM

To: "Lisha Cordova" <nrogm.lcordova@state.ut.us>, Charles Cameron/PHOENIX/BIA/DOI@BIA, Jerry Kenczka/VFO/UT/BLM/DOI@BLM
cc:

Subject: Re: New APD-Petroglyph-Antelope Creek Project (Document link: Jerry Kenczka)

No. I forwarded a copy of your email to Charley Cameron (BIA) and Jerry Kenczka (Vernal BLM).

Mick

"Lisha Cordova" <nrogm.lcordova@state.ut.us> on 11/16/2000 11:24:44 AM

To: <mcoultha@ut.blm.gov>
cc:

Subject: New APD-Petroglyph-Antelope Creek Project

Hey Mick,

Are you reviewing wells within this BIA approved Project/~~Unit~~? Proposed PZ is Douglas Creek & B/Castle Peak.

43-013-32201 UT 29-14 Sec. 29, T5S, R3W 0679 FSL 1942 FWL

EIGHT POINT PLAN
UTE TRIBAL #29-14
SE/SW, SEC. 29, T5S,R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2865	
"B" Marker	3946	
"X" Marker	4414	
Douglas Creek	4564	
"B" Limestone	4933	
B/Castle Peak Limestone	5486	
Basal Carbonate Limestone	5924	
Wasatch	6189	
Total Depth	6124	
Anticipated BHP	2000 psi	

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

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4564	
Oil/Gas	B/Castle Peak	5486	
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT: BOP Schematic Diagram attached.

4. CASING PROGRAM:

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>MINIMUM SAFETY FACTOR</u>		
						<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 ¼	0 - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 6124'	6124'	5 ½	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

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EIGHT POINT PLAN

UTE TRIBAL #29-14
SE/SW, SEC. 29, T5S,R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'
250' - 4000'
4000' - TD
TD

MUD TYPE

Air
Air/Mist & Aerated Water
Air/3% KCL water or KCL substitute
UT 29-14-cGel/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 Energy, Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Energy, 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 casing
Compensated Density-Compensated Neutron Log	T.D. to base of surface casing
Dual Laterlog - Micro-SFL	T.D. to base of surface casing
Numar (Magnetic Resonance Imaging Log)	@ Geologist's discretion

Cores: None Programmed
DST: None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

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EIGHT POINT PLAN

UTE TRIBAL #29-14
SE/SW, SEC. 29, T5S,R3W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Clock
- 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)

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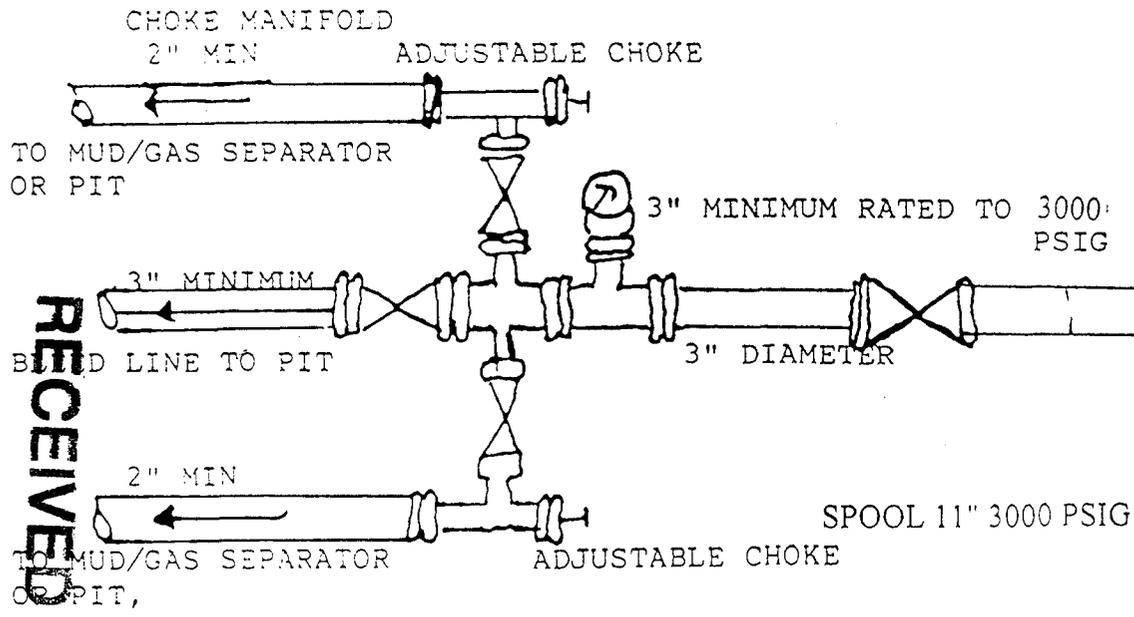
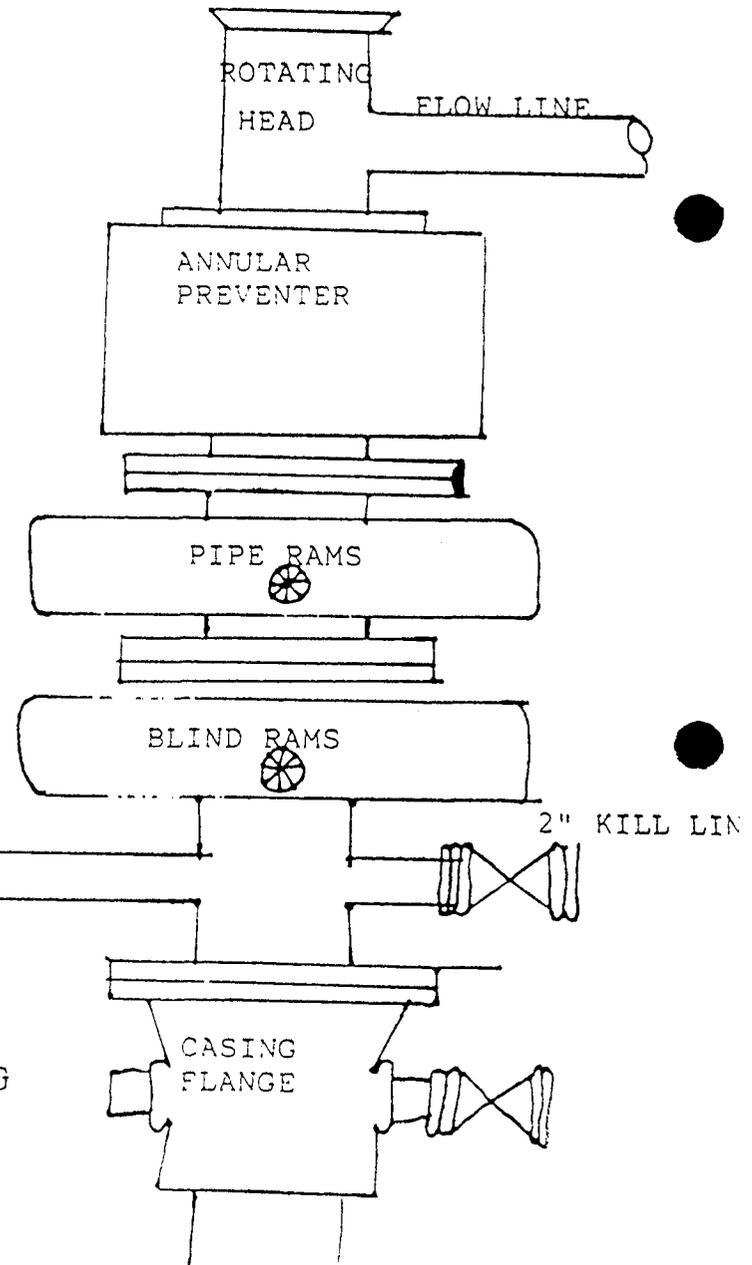
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3000 PSIG DIAGRAM

ANNULAR PREVENTOR AND BOTH RAMS ARE 3000 RATED.
 CASING FLANGE IS 11" 3000 PSIG RATED.
 BOPE 11" 3000 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 & Pipe rams will be tested to rated working pressure, 3000 psig
3. Annular preventor will be tested to 50% of working pressure, 1500 psig
4. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
5. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
6. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 3000 psig BOPE specifications.



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

Company/Operator: Petroglyph Energy, Inc.
Well Name & Number: Ute Tribal # 29-14
Lease Number: BIA 14-20-H62-3518
Location: 679' FSL & 1942' FWL, SE/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.

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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 roads.
- B. The proposed well site is located approximately 24.3 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 0.2 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 and 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.

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As operator, Petroglyph Energy, 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 - 17*
- 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. 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 east side of the location.

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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 ¼, Sec. 1, T4S, R5W, Duchesne, 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 the 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 the drilling rig to avoid leakage of oil to the pit.

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

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9. WELLSITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills and 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 north end of the location.

Access to the well pad will be from the south.

N/A Diversion ditch(es) shall be constructed on the _____

side of the location (above/below) the cut slope, draining to the _____.

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

side(s) of the location between the _____.

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

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

X Corners #3, 6 & 8 will be rounded off to minimize excavation.

FENCING REQUIREMENTS:

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

- A. Thirty-nine 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 as 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 feet.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

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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 traveled. 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 Tribal land, or any fence between Tribal 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 the BIA will attach the appropriate surface rehabilitation conditions of approval.

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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, © 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 Energy, 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 Energy, 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.

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OIL, GAS AND MINING

- 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 a 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

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

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

N/A Pond will be constructed according to BIA specifications approximately _____
_____ of the location, as flagged on the onsite.

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LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

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

OPERATIONS

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

All lease or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Energy, Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

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

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

Certification

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

10-18-2000
Date

Ed Trotter

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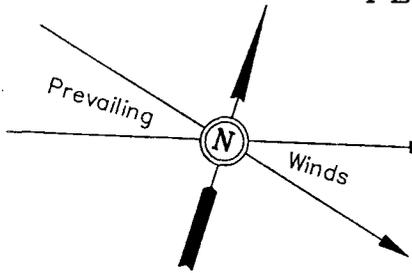
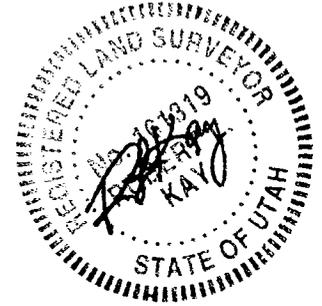
NOV 01 2000

DIVISION OF
OIL, GAS AND MINING

PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #29-14
SECTION 29, T5S, R3W, U.S.B.&M.
679' FSL 1942' FWL



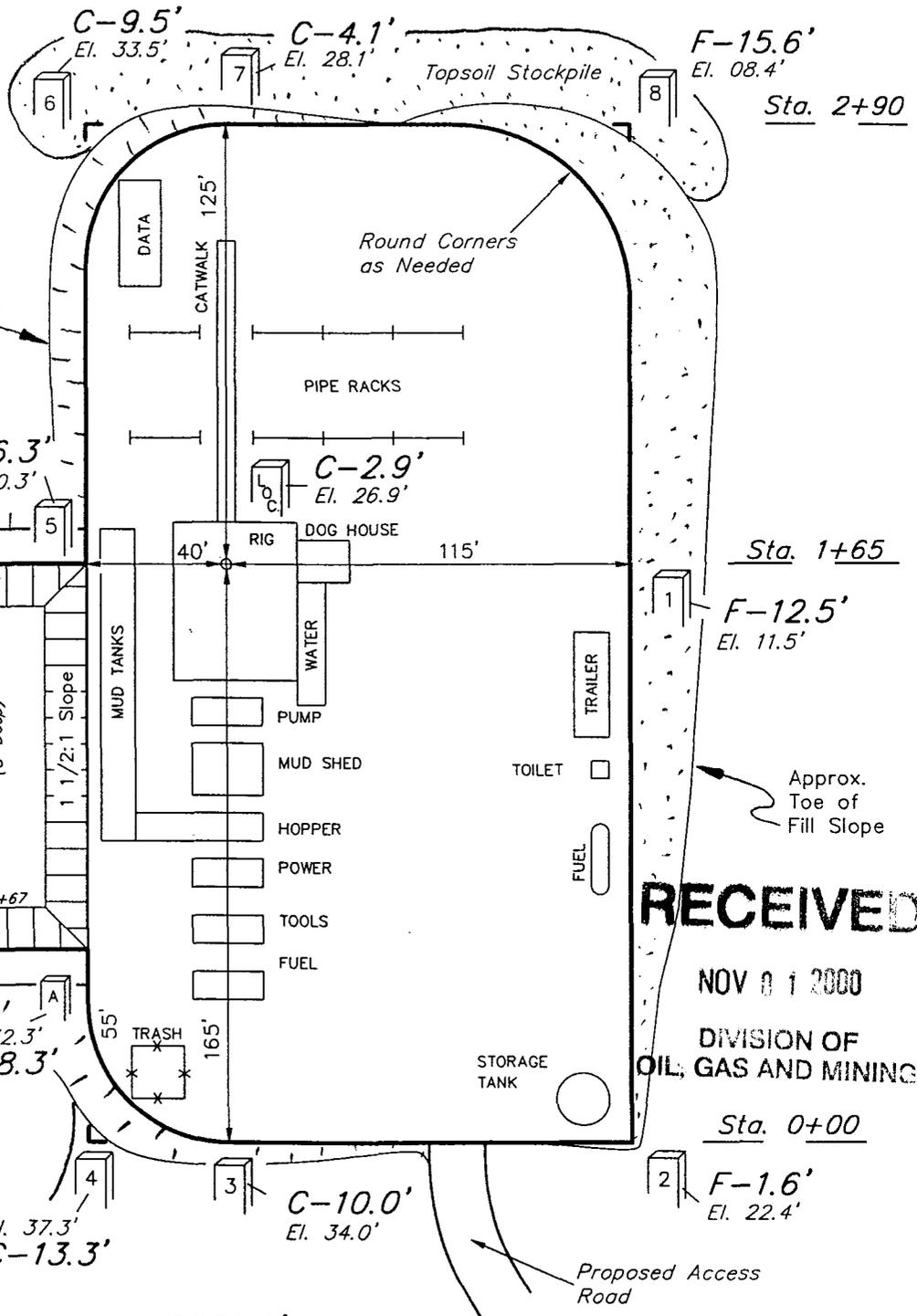
SCALE: 1" = 50'
DATE: 1-26-98
Drawn By: C.B.T.

NOTE:

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

Approx. Top of Cut Slope

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



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DIVISION OF OIL, GAS AND MINING

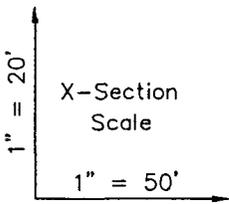
Elev. Ungraded Ground at Location Stake = 6626.9'
Elev. Graded Ground at Location Stake = 6624.0'

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

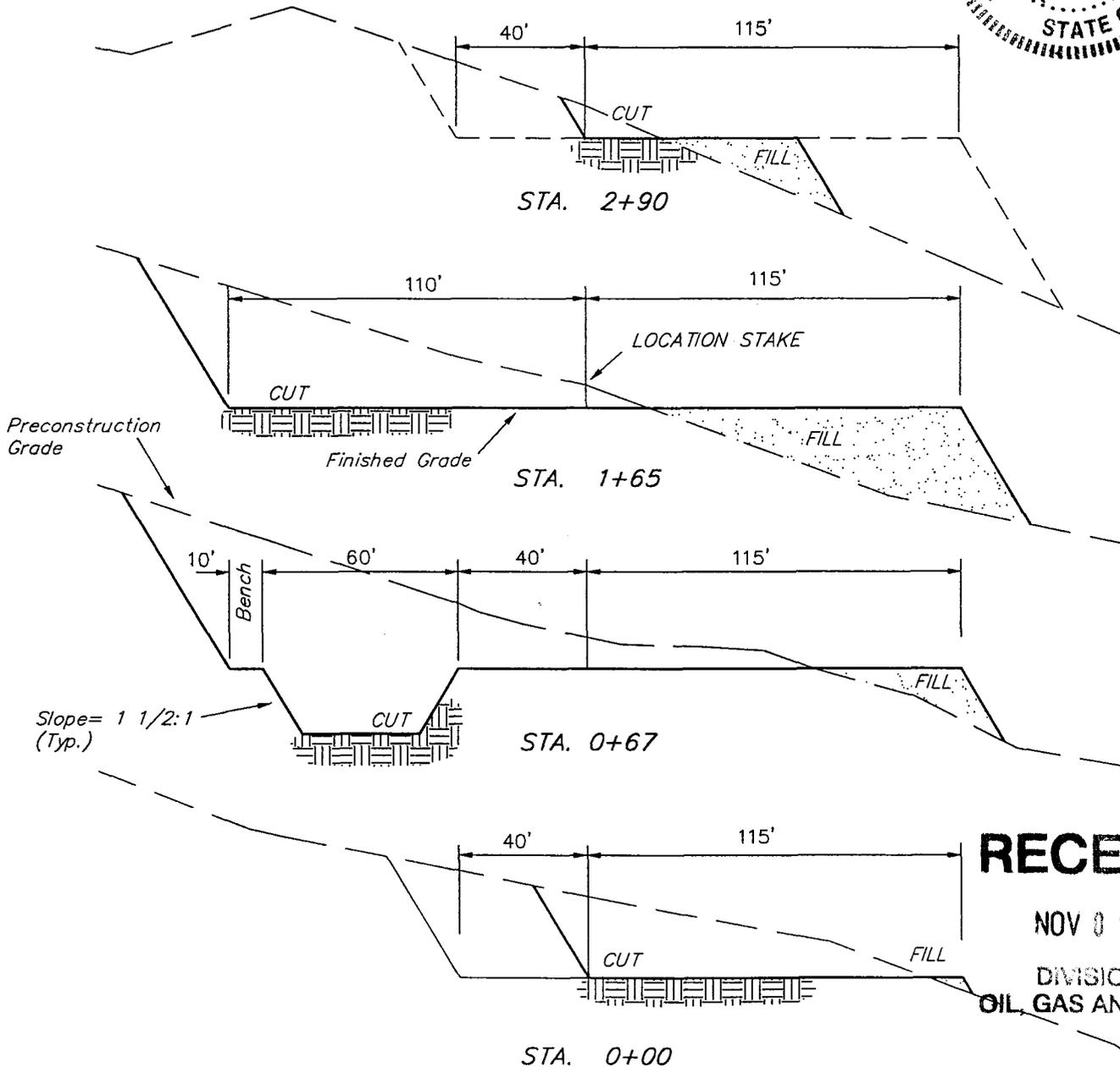
PETROGLYPH OPERATING CO., INC.

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #29-14
SECTION 29, T5S, R3W, U.S.B.&M.
679' FSL 1942' FWL



DATE: 1-26-98
Drawn By: C.B.T.



RECEIVED

NOV 01 2000

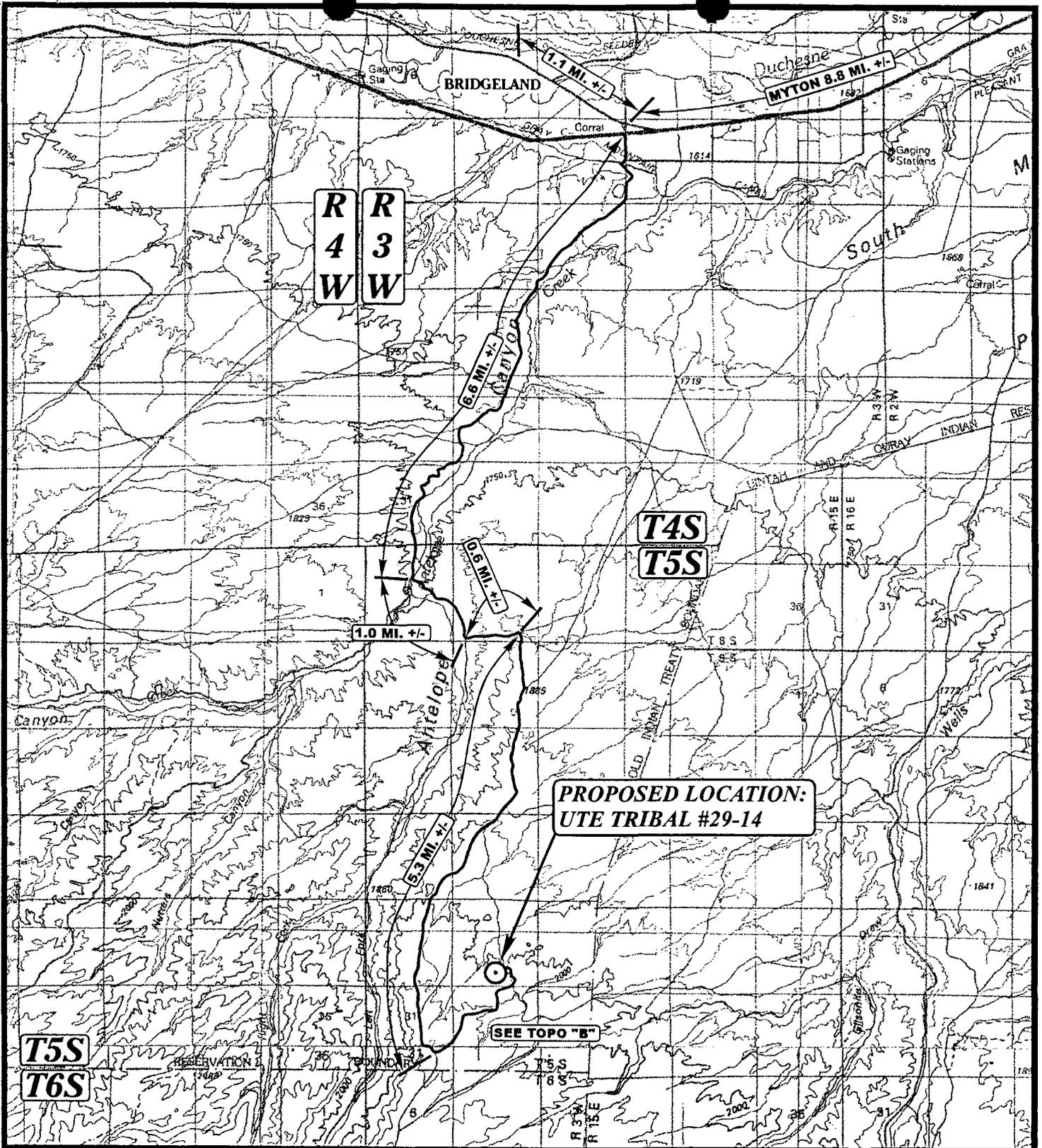
DIVISION OF
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APPROXIMATE YARDAGES

(12") Topsoil Stripping	= 1,910 Cu. Yds.
Remaining Location	= 9,100 Cu. Yds.
TOTAL CUT	= 11,010 CU.YDS.
FILL	= 7,970 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.

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



LEGEND:

○ PROPOSED LOCATION



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #29-14
SECTION 29, T5S, R3W, U.S.B.&M.
679' FSL 1942' FWL

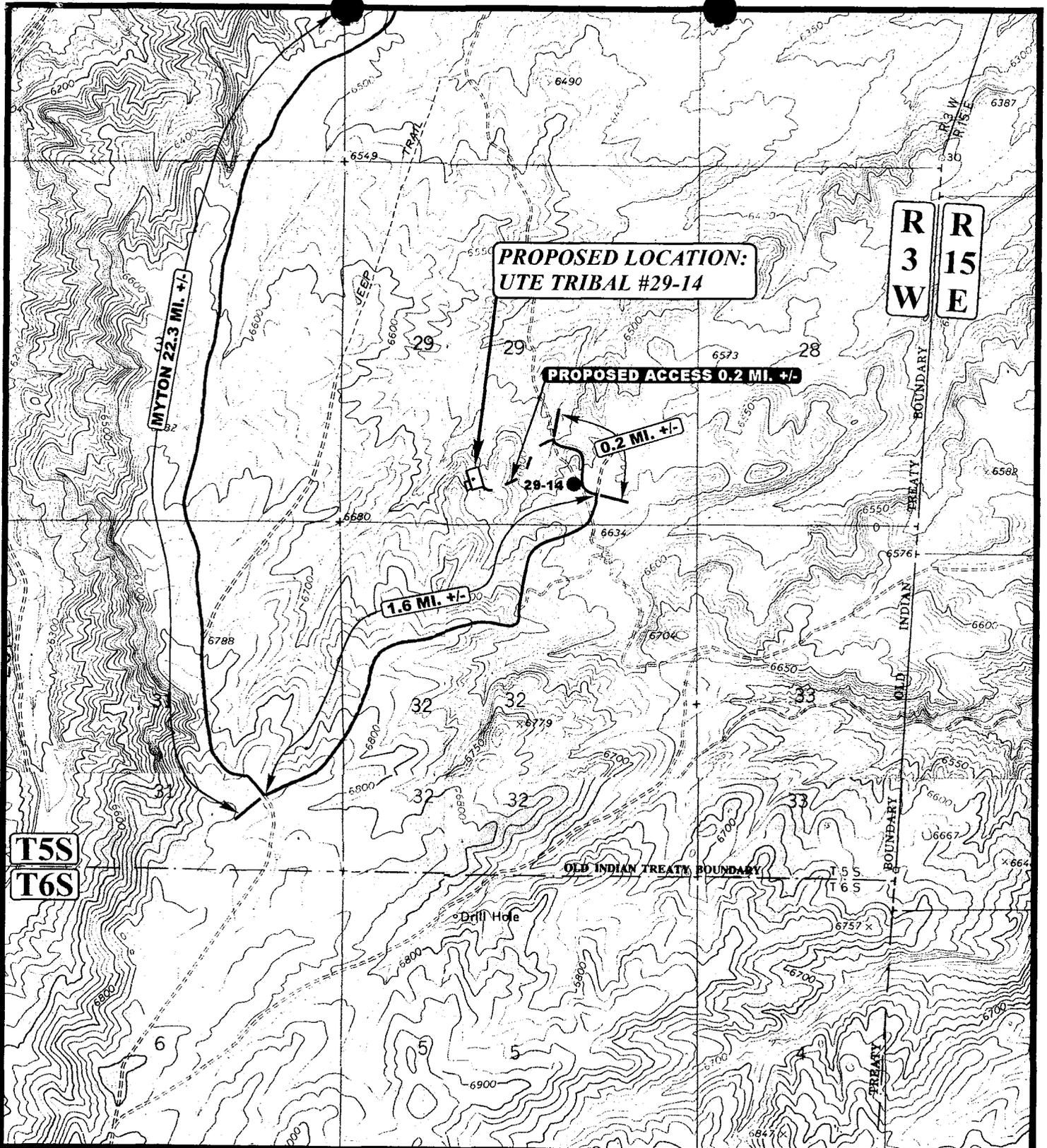


Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 1 23 98
MAP MONTH DAY YEAR

SCALE: 1 : 100,000 DRAWN BY: D.COX REVISED: 00-00-00





T5S
T6S

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD

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

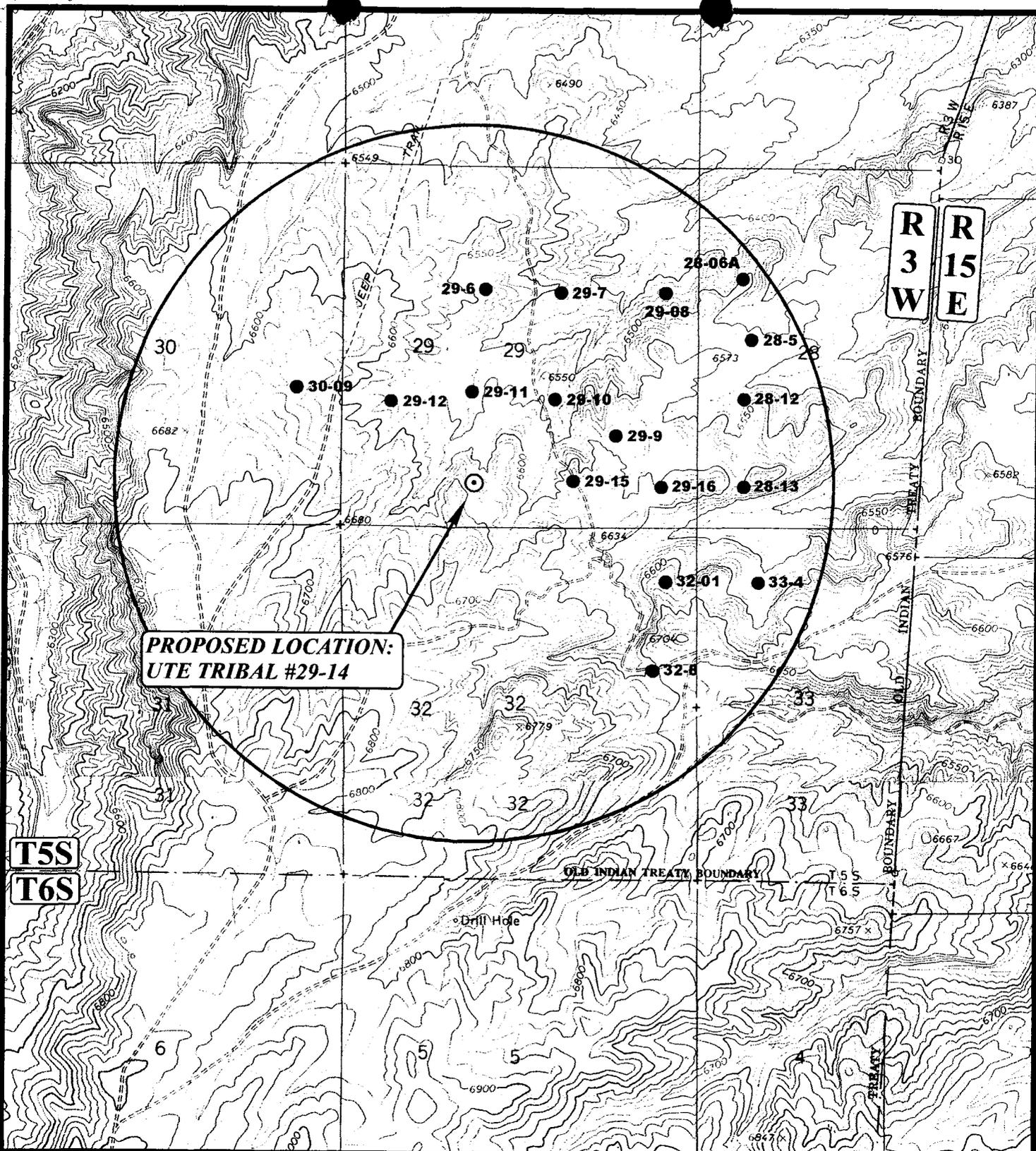


PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #29-14
 SECTION 29, T5S, R3W, U.S.B.&M.
 679' FSL 1942' FWL

TOPOGRAPHIC 1 23 98
MAP MONTH DAY YEAR
 SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00

B
TOPO



**PROPOSED LOCATION:
UTE TRIBAL #29-14**

**T5S
T6S**

**R 3 W
R 15 E**

LEGEND:

- | | |
|-------------------|-------------------------|
| ∅ DISPOSAL WELLS | ♂ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |



PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #29-14
SECTION 29, T5S, R3W, U.S.B.&M.
679' FSL 1942' FWL**



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

TOPOGRAPHIC MAP
1 23 98
MONTH DAY YEAR
SCALE: 1" = 2000' DRAWN BY: D.COX REVISED: 00-00-00



**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/01/2000

API NO. ASSIGNED: 43-013-32201

WELL NAME: UT 29-14
 OPERATOR: PETROGLYPH ENERGY INC (N1425)
 CONTACT: ED TROTTER, AGENT

PHONE NUMBER: 435-722-2531

PROPOSED LOCATION:

SESW 29 050S 030W
 SURFACE: 0679 FSL 1942 FWL
 BOTTOM: 0679 FSL 1942 FWL
 DUCHESNE
 ANTELOPE CREEK (60)

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

LEASE TYPE: 2-Indian
 LEASE NUMBER: 14-20-H62-3518
 SURFACE OWNER: 2-Indian

PROPOSED FORMATION: DGCRK

RECEIVED AND/OR REVIEWED:

- Plat
- Bond: Fed[] Ind[2] Sta[] Fee[]
(No. B04556)
- Potash (Y/N)
- Oil Shale (Y/N) *190 - 5 (B)
- Water Permit
(No. 43-10152)
- RDCC Review (Y/N)
(Date: _____)
- N/A Fee Surf Agreement (Y/N)

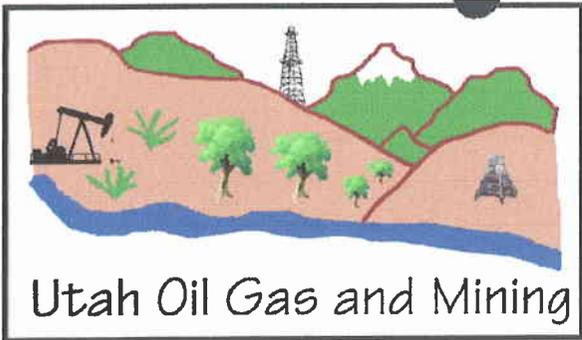
LOCATION AND SITING:

- R649-2-3. Unit Antelope Creek
- R649-3-2. General
Siting: _____
- R649-3-3. Exception
- Drilling Unit
Board Cause No: _____
Eff Date: _____
Siting: _____
- R649-3-11. Directional Drill

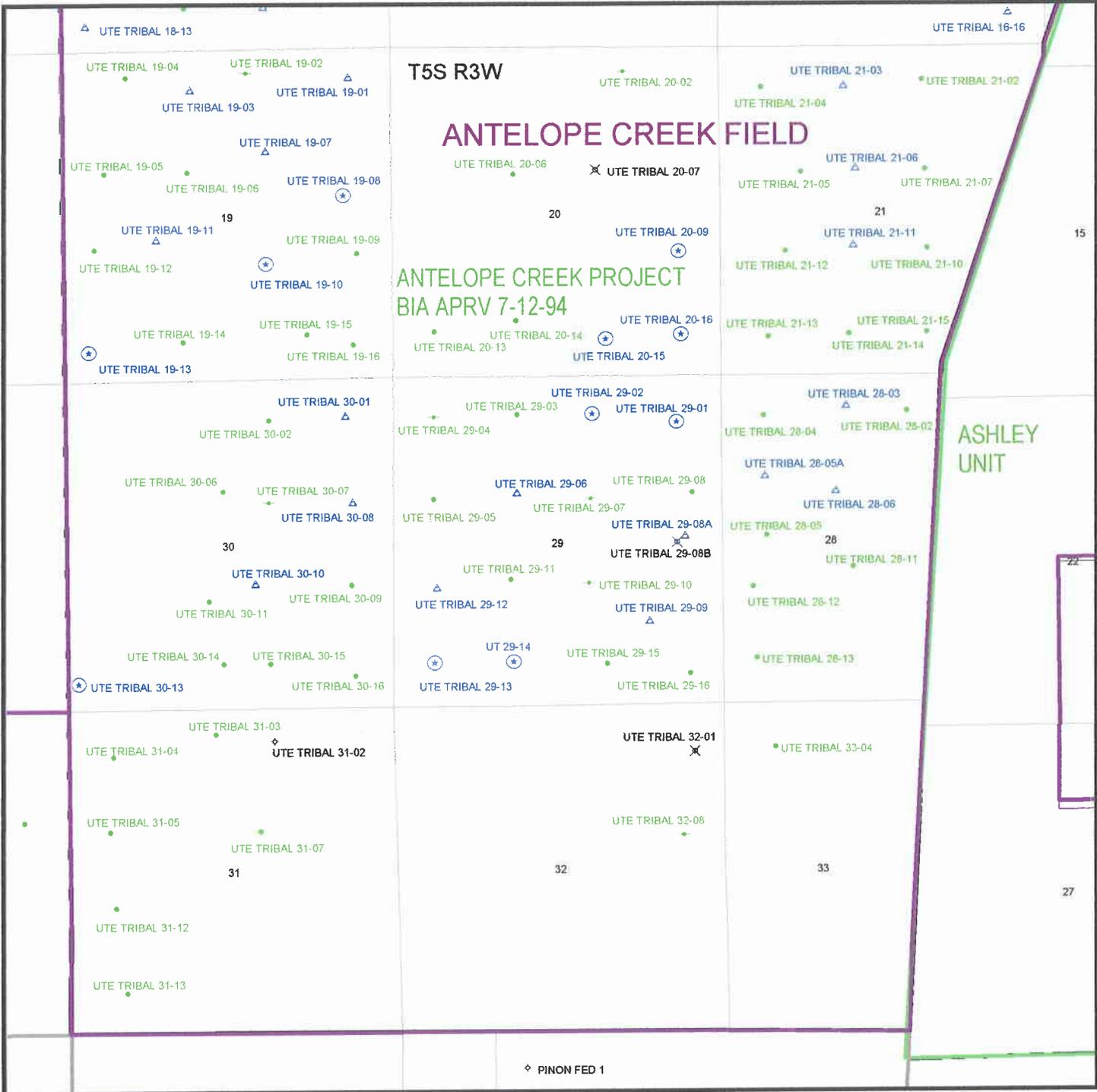
COMMENTS:

STIPULATIONS:

① FEDERAL APPROVAL



OPERATOR: PETROGLYPH ENERGY (N1425)
 FIELD: ANTELOPE CREEK (060)
 SEC. 29, T5S, R3W,
 COUNTY: DUCHESNE UNIT: ANTELOPE CREEK
 SPACING: R649-3-2/GEN ST





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

Michael O. Leavitt
Governor

Kathleen Clarke
Executive Director

Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210

PO Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

November 20, 2000

Petroglyph Energy, Inc.
PO Box 607
Roosevelt, UT 84066

Re: UT 29-14 Well, 679' FSL, 1942' FWL, SE SW, Sec. 29, T. 5 South, R. 3 West,
Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-32201.

Sincerely,

A handwritten signature in black ink that reads "John R. Baza". The signature is written in a cursive style with a large initial "J".

John R. Baza
Associate Director

er

Enclosures

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

Operator: Petroglyph Energy, Inc.

Well Name & Number UT 29-14

API Number: 43-013-32201

Lease: 14-20-H62-3518

Location: SE SW **Sec.** 29 **T.** 5 South **R.** 3 West

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

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

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

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

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

**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 Gas Single Multiple
Well Well Other Zone Zone

5. Lease designation and serial number
BIA-14-20-H62-3518

6. If Indian, Allottee or Tribe name
UTE TRIBAL LAND

7. Unit Agreement Name
14-20-H62-3518

8. Farm or lease name, well no.
UTE TRIBAL

9. API Well No.
UT 29-14

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

17. No. of acres assigned to this well
40

20. Rotary or cable tools
ROTARY

22. Approx. date work will start
NOVEMBER 2000

2. Name of Operator
PETROGLYPH ENERGY, INC.

3. Address and Telephone Number
P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531

4. Location of Well (Report location clearly and in accordance with any State requirements.)
At surface
679' FSL & 1942' FWL SE/SW
At proposed prod. Zone

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

15. Distance from proposed location to nearest property or lease line, ft.
679'
(Also to nearest drig. Unit line, if any)

16. No. of acres in lease
640

18. Distance from proposed location to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth
6124'

21. Elevations (show whether DF, RT, GR, etc.)
6624 FEET GRADED GROUND

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#	250'	135 SX CLASS "G" + 2% CaCl2 + 1/4 #/SX CELLOFLAKE.
7 7/8"	5 1/2"	15.50#	6124'	50/50 POXMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+10% EXCESS). LIGHT CEMENT (11PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

SEE ATTACHMENTS FOR:

- 8 POINT PLAN
- BOP SCHEMATIC
- SURFACE USE AND OPERATING PLAN
- LOCATION PLAT
- LOCATION LAYOUT
- TOPOGRAPHIC MAPS "A", "B", C AND "D"

CONFIDENTIAL

PETROGLYPH ENERGY, 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

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.

SIGNED [Signature] TITLE **Agent** DATE 10-18-2000

(This space for Federal or State office use)

PERMIT NO. _____ 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 **ACTING Assistant Field Manager Mineral Resources** DATE **NOV 20 2000**

CONDITIONS OF APPROVAL ATTACHED

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company Inc.

Well Name & Number: Ute Tribal 29-14

API Number: 43-013-32201

Lease Number: 14-20-H62-3518

Location: SESW Sec. 29 T.05S R. 03W

Agreement: 14-20-H62-4650

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DIVISION OF
OIL, GAS AND MINING

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. Surface casing setting depths are based on ground level elevations only.

As a minimum, the usable water shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water zone, identified at 648 ft. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

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OFFICE OF
OIL AND GAS DRILLING

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 vapor proof 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 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.

BLM
C/O, Ute Tribal

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, contact one of the following individuals:

Ed Forsman (435) 789-7077 (HOME) (435) 646-1685 (PAGER)
Petroleum Engineer

Jerry Kenczka (435) 781-1190
Petroleum Engineer

BLM FAX Machine (435) 781-4410

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DIVISION OF
OIL, GAS AND MINING

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.

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BUREAU OF
OIL, GAS AND MINING

SURFACE CONDITIONS OF APPROVAL

75 foot wide right-of-ways shall be granted for the project. Upon separation of the pipeline corridor and the proposed access road, the roadway shall have a 30 foot wide corridor.

The Ute Tribe Energy and Mineral Department is to be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office days are Monday through Thursday. A Tribal Technician is to routinely monitor construction. For all monitoring that is to exceed Tribal Technician regular working hours, Petroglyph Operating shall make arrangements with the Ute Energy and Minerals Department.

Production water shall not be used to wet down roads for dust control.

For any deviations of submitted APD's and ROW applications, Petroglyph Operating will notify the Ute Tribe and Bureau of Indian Affairs in writing and will receive written authorization of such changes. Without authorization, Petroglyph Operating understands they will be subject to fines and penalties.

Petroglyph will assure the Ute Tribe that any/all contractors and subcontractors have acquired a 2000 Tribal Business License and have "Year 2000 Access Permits" prior to construction. Contractors and subcontractors will have these permits in vehicles at all times.

All Petroglyph Operating employees and/or authorized personnel (subcontractors) in the field will have approved applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.

Petroglyph will implement "Safety and Emergency Plan." Petroglyph will ensure its compliance.

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

All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.

The personnel from the Ute Tribe Energy & Mineral Department shall be consulted if cultural remains (including paleontology fossils) from subsurface deposits are exposed or identified during construction. All construction will cease. Prior to commencing constructing in the area where cultural resources are exposed the operator must obtain authorization from the BIA and the Ute Tribal Department of Cultural Rights and Protection.

Upon completion of construction of the rights-of-way, Petroglyph Operating will notify the Ute Tribe Energy & Minerals Resources Department. This will be done so that a Tribal Technician can verify Affidavit of Completions.

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

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

Soil erosion will be mitigated by reseeded all disturbed areas.

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 pits are backfilled, the surplus oil and mud etc. will be buried a minimum depth of 3.0 feet below the surface of the soil.

A closed production system will be used. Production fluids will be contained in leak proof tanks. Low profile tanks may be used to minimize problems with irrigation systems. 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.

Although the access road right of way is 30 feet wide, access roads shall have constructed travel width limited to 18 feet, except as granted for sharp curves or intersections or where deep cuts and fills are required for road construction.

Surface pipelines will be constructed to lay on the soil surface, and the ROW for the pipeline will not be bladed or cleared of vegetation without site specific authorization from BIA.

Where surface pipelines do not parallel roads but cross country between stations. The line shall either be welded in place at a welding station located at the wellsite or on roads near the flowline right of way and then dragged into place with a suitable piece of equipment so it will not destroy the natural vegetation. If the flowline doesn't follow existing and APD proposed new access roads then traffic shall be restricted along pipeline ROWs so that they will not be used as an access road.

Buried flowlines shall be a minimum of three feet below the surface. After the construction of the pipeline is completed the disturbed area of the ROW shall be contoured to blend into the natural landscape, and it shall be reseeded with desirable vegetation. Between September 15 and November 1 of the year following pipeline construction of the buried line all disturbed areas shall be reseeded with perennial vegetation according to BIA, or to Ute Tribe specifications.

Petroglyph Operating employees, representatives, and subcontractors shall not carry firearms on their person or in their vehicles while working on the Uintah and Ouray Indian Reservation.

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DEPARTMENT OF
OIL, GAS AND MINING

ENTITY ACTION FORM

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

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301332201	Ute Tribal 29-14		sesw	29	05S	03W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	12216	12/23/2000		12-23-00		
Comments: The 29-14 will produce into the common tank battery at the Ute Tribal 30-15 Entity # 12216 1-30-01							

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Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
4301332200	Ute Tribal 29-13		swws	29	05S	03W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	12216	12/13/2000		12-13-00		
Comments: The 29-14 will produce into the common tank battery at the Ute Tribal 30-15 Entity # 12216 1-30-01							

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Well 3

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

ACTION CODES:

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

Micheal R. Safford

Name (Please Print)

Signature

Operations Coordinator

1/15/2001

Title

Date

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Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

5. Lease Serial No.
1420H623518

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

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

8. Lease Name and Well No.
UTE TRIBAL #29-14

9. API Well No.
4301332201

SUBMIT IN TRIPLICATE- Other Instructions on reverse side

1. Type of Well:
 Oil Well Gas Well Other

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

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

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

10. Field and Pool, or Exploratory
ANTELOPE CREEK

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 29 T5S R3W SESW 679FSL 1942FWL

11. County or Parish, State
DUCHESNE, UT

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

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

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

The above referenced well was spud on 12/28/2000, a 12-1/4" surface hole to 365'

surface casing was 8-5/8" 24# K55 and set at 319'. Cementted with 200 sxs Prem-Plus w/ 2% CACL2, .125#/sk poly flake

Rig TD @ 5839

Production casing as 5-1/2" 15.5# K55 and set at 580' and cemented with 210 sxs Prem-Plus, 16% gel, 7.5#/sk Gilsonite, 3#/sk Salt, and 310 sxs Prem-Plus 50/50 poz, 2% Gel, 3% KCL, 3#/sk Silicalite

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**DIVISION OF
OIL, GAS AND MINING**

Name (Printed/Typed)	Title
Signature	Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

ELECTRONIC SUBMISSION #4016 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE

CONFIDENTIAL

Form 3160-4
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB No. 1004-0137
Expires November 30, 2000

1a. Type of Well: Oil Well Gas Well Dry Other
 b. Type of Completion: New Well Workover Deepen Plug Back Diff. Resvr.
 Other _____

5. Lease Serial No.
1420H623518

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

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

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

8. Lease Name and Well No.
UTE TRIBAL #29-14

3. Address **P.O. BOX 607 ROOSEVELT, UT 84066** 3a. Phone No. (include area code)
TEL: 435.722.2531 EXT:

9. API Well No.
4301332201

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

10. Field and Pool, or Exploratory
ANTELOPE CREEK

At Surface **SESW 679FSL 1942FWL**

At top prod. interval reported below **SESW 679FSL 1942FWL**

At total depth **SESW 679FSL 1942FWL**

CONFIDENTIAL PERIOD EXPIRED ON 02-22-02

11. Sec., T., R., M., on Block and Survey or Area **Sec 29 T5S R3W UBM**

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

14. Date Spudded **12/28/00** 15. Date T.D. Reached **1/3/01** 16. Date Completed **1/22/01**
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)*
6624 GL

18. Total Depth: MD **5839** TVD _____ 19. Plug Back T.D.: MD **4950** TVD _____ 20. Depth Bridge Plug Set: MD **4950** TVD _____

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)
No logs received 22. Was well cored? No Yes (Submit analysis)
Was DST run? No Yes (Submit report)
Directional Survey? No Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt.(#/ft.)	Top (MD)	Bottom (MD)	Stage Cemen-ter Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.25	8.625 K-55	24		365		200			
7.875	5.5 K-55	15.5		5802		520			

24. Tubing Record

Size	Depth Set(MD)	Packer Depth(MD)	Size	Depth Set(MD)	Packer Depth(MD)	Size	Depth Set(MD)	Packer Depth(MD)
2.375	4884							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) GREEN RIVER	4005	4982	4005 To 4982			
B)						
C)						
D)						

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27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
4005 To 4026	FRAC W/ 12700 20/40, AND 18700 16/30 SAND
4638 To 4653	FRAC W/ 12500 20/40, AND 19000 16/30 SAND
4838 To 4864	FRAC W/ 12500 20/40, AND 17000 16/30 SAND
4964 To 4982	FRAC W/ 12500 20/40, AND 22000 16/30 SAND

MAY 11 2001

DIVISION OF OIL GAS AND MINING

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
3/6/01	3/12/01	24	→	70	66	72			GAS PUMPING UNIT
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	0	65	→					PRODUCING OIL WELL	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

(See instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #4017 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE

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28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Description, Contents, etc.	Name	Top
					Meas. Depth
				X MARKER	4444
				Y MARKER	4478
				DOUGLAS CREEK	4583
				B LIMESTONE	4952
				BASE CASTLE PEAK	5507

32. Additional remarks (include plugging procedure):

33. Circle enclosed attachments:

- 1. Electrical/Mechanical Logs (1 full set req'd.)
- 2. Geologic Report
- 3. DST Report
- 4. Directional Survey
- 5. Sundry Notice for plugging and cement verification
- 6. Core Analysis
- 7. Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Name (please print) _____ Title _____

Signature _____ Date _____

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

ELECTRONIC SUBMISSION #4017 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 675041839
(316) 665-8500

Drilling Chronological Report

CONFIDENTIAL

Well Name: UTE TRIBAL 29-14

Well User ID: 1508

AFE #: 41890

Operator: PETROGLYPH OPERATING COMP

WI: 1

NRI: 0

Loc: SE SW **STR:** 29 - 5S - 3W

AFEDHC: \$184,301

County: DUCHESNE, UT **API Code:** 043-013-32201-00-

AFECWC: \$439,606

Field: ANTELOPE CREEK

AFE Type: Drilling

Contractor: Union Drilling

Proposed Depth: 0

Spud Date: 12/23/2000 **Rig Rel Date:** 1/5/2001

Daily Drilling Details Report

Activity Date: 12/23/2000

Formation:

Current Depth: 0 ft.

Days From Spud: 1

24 Hr. Footage Made: 0 ft.

Activity: Rig Up & Tear Down

Weather:

Operations: 06:00 to 14:00 - Rig Up & Tear Down - MIRU Union rig # 16. Shut operations DN for Christmas holidays.

Daily Drilling Details Report

Activity Date: 12/28/2000

Formation:

Current Depth: 365 ft.

Days From Spud: 2

24 Hr. Footage Made: 365 ft.

Activity: Run Casing & Cement

Weather:

Operations: 06:00 to 10:00 - Rig Up & Tear Down - Start motors, move boiler, spot mud pump, RU air and boiler.
10:00 to 10:30 - Drilling - Drilling and set rat hole.
10:30 to 14:00 - Drilling - MU 17-1/2" bit, drilling conductor hole to 35' KB. Set 29' of 13-3/8" conductor pipe. NU and PL DC. Spud @ 10:00a.m..
14:00 to 15:00 - NU BOP - NU air head.
15:00 to 22:00 - Drilling - Drilling 12-1/4" hole w/ air foam mist f/ 35' KB to 365' KB.
22:00 to 22:45 - Trips - TOOH.
22:45 to 23:30 - NU BOP - ND, LD conductor, RU to run surface pipe.
23:30 to 01:30 - Run Casing & Cement - Run 8 jts 8-5/8" 24# K-55 8rd csg.
01:30 to 03:00 - Run Casing & Cement - RU Halliburton and cmt csg w/ 200 sks Prem-Plus w/ 2% CACL2, .125#/ sk pc e-flake, 15.6 ppg. Plug dn @ 03:00 a.m., circulate 10 bbls cmt to surface.
03:00 to 06:00 - Wait on Cement - WOC.



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 675041839
(316) 665-8500

Drilling Chronological Report

CONFIDENTIAL

Well Name: UTE TRIBAL 29-14

Well User ID: 1508

AFE #: 41890

Operator: PETROGLYPH OPERATING COMP

WI: 1 **NRI:** 0

Loc: SE SW **STR:** 29 - 5S - 3W

AFEDHC: \$184,301

County: DUCHESNE, UT **API Code:** 043-013-32201-00-

AFECWC: \$439,606

Field: ANTELOPE CREEK

AFE Type: Drilling

Contractor: Union Drilling

Proposed Depth: 0

Spud Date: 12/23/2000 **Rig Rel Date:** 1/5/2001

Daily Drilling Details Report

Activity Date: 12/29/2000

Formation:

Current Depth: 958 ft.

Days From Spud: 3

24 Hr. Footage Made: 593 ft.

Activity: Drilling

Weather:

Operations: 06:00 to 07:00 - Wait on Cement - WOC.
07:00 to 10:30 - NU BOP - Break out landing joint, and NU BOP.
10:30 to 13:30 - Test BOP - Test BOP and safety equipment.
13:30 to 16:30 - Repair Rig - Repair flow line.
16:30 to 17:30 - Trips - Trip in hole w/ 7-7/8" bit.
17:30 to 19:00 - Drilling - Drilling cmt f/ 296' KB to 336' KB, and drilling 7-7/8" hole w/ air foam mist f/ 336' KB to 374' KB
19:00 to 19:30 - Leak-off Test - Perform leak off test, 100# for 15 mins. Deviation survey @ 344' KB = 1/2 degree.
19:30 to 23:30 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 374' KB to 583' KB.
23:30 to 00:15 - Other - Change over to drill pipe and put on drivers.
00:15 to 01:15 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 583' KB to 648' KB.
01:15 to 02:00 - Other - Change air head rubber.
02:00 to 06:00 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 648' KB to 958' KB.

Daily Drilling Details Report

Activity Date: 12/30/2000

Formation:

Current Depth: 2577 ft.

Days From Spud: 4

24 Hr. Footage Made: 1619 ft.

Activity: Drilling

Weather:

Operations: 06:00 to 07:15 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 958' KB to 1053' KB.
07:15 to 08:00 - Deviation Survey - Deviation survey @ 1013' KB = 2 degrees. Service rig and equipment.
08:00 to 15:30 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 1053' KB to 1645' KB.
15:30 to 16:00 - Deviation Survey - Deviation survey @ 1615' KB = 1-1/2 degrees. Service rig and equipment.
16:00 to 23:30 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 1645' KB to 2171' KB .
23:30 to 00:15 - Deviation Survey - Deviation survey @ 2110' KB = 2-1/2 degrees. Service rig and air.
00:15 to 06:00 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 2171' KB to 2577' KB.



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 675041839
(316) 665-8500

Drilling Chronological Report

CONFIDENTIAL

Well Name: UTE TRIBAL 29-14

Well User ID: 1508

AFE #: 41890

Operator: PETROGLYPH OPERATING COMP

WI: 1 **NRI:** 0

Loc: SE SW **STR:** 29 - 5S - 3W

AFEDHC: \$184,301

County: DUCHESNE, UT **API Code:** 043-013-32201-00-

AFECWC: \$439,606

Field: ANTELOPE CREEK

AFE Type: Drilling

Contractor: Union Drilling

Proposed Depth: 0

Spud Date: 12/23/2000 **Rig Rel Date:** 1/5/2001

Daily Drilling Details Report

Activity Date: 12/31/2000

Formation:

Current Depth: 3980 ft.

Days From Spud: 5

24 Hr. Footage Made: 1403 ft.

Activity: Drilling

Weather:

Operations: 06:00 to 07:00 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 2577' KB to 2639' KB.
07:00 to 08:00 - Deviation Survey - Deviation survey @ 2599' KB = 2-3/4 degrees. Service rig and equipment.
08:00 to 13:15 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 2639' KB to 3108' KB.
13:15 to 13:45 - Deviation Survey - Deviation survey @ 3068' KB = 2 degrees.
13:45 to 23:00 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 3108' KB to 3638' KB.
23:00 to 23:45 - Deviation Survey - Deviation survey @ 3580' KB = 2 degrees.
23:45 to 06:00 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 3638' KB to 3980' KB.

Daily Drilling Details Report

Activity Date: 1/1/2001

Formation:

Current Depth: 4566 ft.

Days From Spud: 6

24 Hr. Footage Made: 586 ft.

Activity: Drilling

Weather:

Operations: 06:00 to 08:00 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 3980' KB to 4138' KB.
08:00 to 09:00 - Deviation Survey - Deviation survey @ 4098' KB = 2.25 degrees. Service rig and equipment.
09:00 to 12:00 - Drilling - Drilling 7-7/8" hole w/ air foam mist f/ 4138' KB to 4324' KB.
12:00 to 13:30 - Condition Mud & Circulate - Blow hole and load w/ 2% KCL water.
13:30 to 19:45 - Trips - Trip to PU mud motor.
19:45 to 20:45 - Drilling - Drilling 7-7/8" hole w/ 2% KCL f/ 4324' KB to 4347' KB.
20:45 to 01:00 - Repair Rig - Repack swivel and work on yellow dog.
01:00 to 06:00 - Drilling - Drilling 7-7/8" hole w/ 25 KCL f/ 4347' KB to 4566' KB.



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 675041839
(316) 665-8500

Drilling Chronological Report

CONFIDENTIAL

Well Name: UTE TRIBAL 29-14
Well User ID: 1508 **AFE #:** 41890
Operator: PETROGLYPH OPERATING COMP **WI:** 1 **NRI:** 0
Loc: SE SW **STR:** 29 - 5S - 3W **AFEDHC:** \$184,301
County: DUCHESNE, UT **API Code:** 043-013-32201-00- **AFECWC:** \$439,606
Field: ANTELOPE CREEK **AFE Type:** Drilling
Contractor: Union Drilling **Proposed Depth:** 0
Spud Date: 12/23/2000 **Rig Rel Date:** 1/5/2001

Daily Drilling Details Report

Activity Date: 1/2/2001 **Formation:** **Current Depth:** 5480 ft.
Days From Spud: 7 **24 Hr. Footage Made:** 914 ft.
Activity: Drilling **Weather:**
Operations:
06:00 to 08:00 - Drilling - Drilling 7-7/8" hole w/ 2% KCL water f/ 4566' KB to 4657' KB.
08:00 to 09:00 - Deviation Survey - Deviation survey @ 4592' KB = 1-1/4 degrees. Service rig and equipment.
09:00 to 15:30 - Drilling - Drilling 7-7/8" hole w/ 2% KCL water f/ 4675' KB to 4937' KB.
15:30 to 16:00 - Lubricate Rig - Rig service.
16:00 to 22:30 - Drilling - Drilling 7-7/8" hole w/ 2% KCL water f/ 4937' KB to 5184' KB.
22:30 to 23:15 - Deviation Survey - Deviation survey @ 5070' KB = 1 degree.
23:15 to 06:00 - Drilling - Drilling 7-7/8" hole w/ 2% KCL water f/ 5184' KB to 5480' KB.

Daily Drilling Details Report

Activity Date: 1/3/2001 **Formation:** **Current Depth:** 5839 ft.
Days From Spud: 8 **24 Hr. Footage Made:** 359 ft.
Activity: Wireline Logs **Weather:**
Operations:
06:00 to 10:30 - Drilling - Drilling 7-7/8" hole w/ 2% KCL f/ 5480' KB to 5652' KB.
10:30 to 11:30 - Deviation Survey - Deviation survey @ 5587' KB = 3 degrees. Service rig and equipment.
11:30 to 16:45 - Drilling - Drilling 7-7/8" hole w/ 2% KCL f/ 5652' KB to 5839' KB.
16:45 to 17:45 - Condition Mud & Circulate - Circulate, pump sweep, and blow kelly.
17:45 to 23:00 - Trips - TOOH w/ DP and DC'S, LD 2 bad DC'S.
23:00 to 06:00 - Wireline Logs - RU Halliburton and start to log well.

Daily Drilling Details Report

Activity Date: 1/4/2001 **Formation:** **Current Depth:** 5839 ft.
Days From Spud: 9 **24 Hr. Footage Made:** 0 ft.
Activity: Wireline Logs **Weather:**
Operations:
06:00 to 01:00 - Wireline Logs - Log well and collect side wall cores.
01:00 to 01:45 - Wireline Logs - RD loggers.
01:45 to 06:00 - Trips - Trip in hole prep to run csg.



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 675041839
(316) 665-8500

Drilling Chronological Report

CONFIDENTIAL

Well Name: UTE TRIBAL 29-14
Well User ID: 1508 **AFE #:** 41890
Operator: PETROGLYPH OPERATING COMP **WI:** 1 **NRI:** 0
Loc: SE SW **STR:** 29 - 5S - 3W **AFEDHC:** \$184,301
County: DUCHESNE, UT **API Code:** 043-013-32201-00- **AFECWC:** \$439,606
Field: ANTELOPE CREEK **AFE Type:** Drilling
Contractor: Union Drilling **Proposed Depth:** 0
Spud Date: 12/23/2000 **Rig Rel Date:** 1/5/2001

Daily Drilling Details Report

Activity Date: 1/5/2001 **Formation:** **Current Depth:** 5839 ft.
Days From Spud: 10 **24 Hr. Footage Made:** 0 ft.

Activity: Run Casing & Cement

Weather:

Operations:

06:00 to 07:00 - LD - RU to LD DP and DC'S.
07:00 to 13:00 - LD - LD DP and DC'S.
13:00 to 17:30 - Run Casing & Cement - Run 143 jts 5-1/2" 15.5# K-55 8RD csg set @ 5801.95 KB, includes marker jt.
17:30 to 18:30 - Condition Mud & Circulate - Wash csg DN 5' and RU Halliburton to CMT.
18:30 to 19:30 - Run Casing & Cement - CMT CSG w/ 210 sks Prem-Plus, 16% Gel, 7.5#/sk Gilsonite, 3#/sk Salt (BWOC), 2#/sk Granulite, 8% HR-7, .75% EX-1, .125#/sk Poley E Flake, LEAD, and 310 sks Prem Plus 50/50 Poz, 2% Gel, 3% KCL, 3#/sk Silicalite, 1#/sk Granulite, .2% Halad-322, .2% FWCA. TAIL.
19:30 to 21:00 - ND BOP - ND BOP and set slips w/ 65000#.
21:00 to 06:00 - Rig Up & Tear Down - Clean mud pits and start to RD rig and equipment, release rig @ 1:00 a.m..

Formation Tops

Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Ref Subsea	+/- To Ref Well	Comments
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Casing

DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
12/28/2000	336	8	Surface	8.625	24	K-55		12.25	336
1/5/2001	5802	143	Production	5.5	15.5	K-55	4.95	7.875	5837



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 675041839
(316) 665-8500

CONFIDENTIAL

UTE TRIBAL 29-14 Completion Chronological Report Page 1 of 5

Well Name : UTE TRIBAL 29-14

Well User ID : 1508

AFE # : 41890

Operator : PETROGLYPH OPERATING COMPANY

WI : 1

NRI 0

Loc : STR : 29 -5S -3W

County : DUCHESNE, UT APICode : 043-013-32201-0

Field : ANTELOPE CREEK

Contractor :

AFE Type : Drilling

Spud Date : 12/23/2000 Rig Rel Date : 1/5/2001

Total Depth : 5600 ft.

Comp Date :

PBTD : 5560 ft.

Job Purpose :

Completions Detail Report

Date : 1/15/2001 Activity: PU Tubing Days On Completion : 1

Rpt Summary :

Report Detail : 09:00 to 10:00 - Travel - Crew travel.
10:00 to 13:00 - MIRU - Service unit and equipment.
13:00 to 17:00 - PU tbg - Tally PU bit, scraper, tbg and RIH to PBTD @ 5655'. POOH to 5016' SDFN.
17:00 to 18:00 - Travel - Crew travel.

Date : 1/16/2001 Activity: Perforate Days On Completion : 2

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew travel.
07:00 to 09:30 - POOH - Spot 250 gal 15% HCL over D1 zone and POOH w/ tbg.
09:30 to 11:00 - Perforate - D1 zone and breakdwn.
11:00 to 12:00 - Travel - Crew travel.

Date : 1/17/2001 Activity: Frac Days On Completion : 3

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew travel.
07:00 to 09:00 - Frac - D1 zone.
09:00 to 12:00 - Perf & Frac - Set CIBP @ 4950 and treat C8.1, C8.2 zones.
12:00 to 14:30 - Perf & Frac - C5 zone.
14:30 to 18:30 - Perf & Frac - B2 zone.
18:30 to 19:30 - Travel - Crew travel.

Date : 1/18/2001 Activity: Retrieve Plug Days On Completion : 4

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew travel.
07:00 to 08:00 - Flowback - B2 frac, SIP 250 psi recovered 45 bbls.
08:00 to 12:00 - Ret plug - RIH w/ ret head and tbg, tag sd @ 4015' C/O to plug @ 4060'. Latch onto and POOH.
12:00 to 14:00 - ND - Change BOP due to wash out from frac's.
14:00 to 17:00 - Ret plug - RIH w/ ret head and tbg, tag sd @ 4680' C/O to plug @ 4710'. Latch onto POOH to 1260' and SDFD.
17:00 to 18:00 - Travel - Crew travel.



UTE TRIBAL 29-14 Completion Chronological Report Page 2 of 5

Well Name : UTE TRIBAL 29-14

Well User ID : 1508

AFE # : 41890

Operator : PETROGLYPH OPERATING COMPANY

WI : 1 NRI 0

Loc : STR : 29 -5S -3W

County : DUCHESNE, UT APICode : 043-013-32201-0

Field : ANTELOPE CREEK

Contractor :

AFE Type : Drilling

Spud Date : 12/23/2000 Rig Rel Date : 1/5/2001

Total Depth : 5600 ft.

Comp Date :

PBTD : 5560 ft.

Date : 1/19/2001 Activity: Swabbing Days On Completion : 5

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew travel.
07:00 to 08:00 - POOH - Finish POOH w/ BP.
08:00 to 11:00 - Run tbg - RIH w/ production tbg, C/O sd to PBTD @ 4950'.
11:00 to 17:00 - Swab - Made 23 runs recovered 187 bbls fluid, IFL surface, FFL 1700' w/ 40% oil cut.
17:00 to 18:00 - Travel - Crew travel.

Date : 1/22/2001 Activity: Run Pump Days On Completion : 8

Rpt Summary :

Report Detail : 06:00 to 07:00 - Travel - Crew Travel.
07:00 to 12:00 - Swab - Unable to get swab dwn, flush tbg w/ 15 bbls wtr. Made 7 runs recovered 65 bbls fluid, the last run was 30% oil w/ light gas. IFL 600' FFL 1700'.
12:00 to 15:00 - Run rods - ND BOP set TA in 14,000 tension and NU wellhead. PU RIH w/ pump and rods. Fill tbg w/ 5 bbls wtr and test to 800 psi.
15:00 to 17:00 - RDMOL - Service unit and equipment.
17:00 to 18:00 - Travel - Crew travel.

Date : 1/23/2001 Activity: Surface Work Days On Completion : 9

Rpt Summary :

Report Detail : 15:00 to 18:00 - Surface Work - Haul gravel for pump jack pad.

Date : 1/24/2001 Activity: Surface Work Days On Completion : 10

Rpt Summary :

Report Detail : 11:00 to 15:00 - Surface Work - built pump jack pad & help set unit w/ B&G crane service.

Date : 1/31/2001 Activity: Surface Work Days On Completion : 17

Rpt Summary :

Report Detail : 07:00 to 19:00 - Surface Work - Went to 28-05A pull 2 1/2" & 1 1/2" pipe from draw & cut into 120' pieces, & 21-02 same thing to be drug to 29-14 flow line.

Date : 2/1/2001 Activity: Surface Work Days On Completion : 18

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - Finish pulling pipe from 28-05A & 21-02, & set on racks. Work on beveling ends.

Date : 2/2/2001 Activity: Surface Work Days On Completion : 19

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - ROW const f/ 29-14 to 29-13, work on WH manifold, cleaned ends on 1 1/2" & 1 1/2" flow line pipe & blow trough w/ air.



UTE TRIBAL 29-14 Completion Chronological Report Page 3 of 5

Well Name : UTE TRIBAL 29-14

Well User ID : 1508

AFE # : 41890

Operator : PETROGLYPH OPERATING COMPANY

WI : 1 NRI 0

Loc : STR : 29 -5S - 3W

County : DUCHESNE, UT APICode : 043-013-32201-0

Field : ANTELOPE CREEK

Contractor :

AFE Type : Drilling

Spud Date : 12/23/2000

Rig Rel Date : 1/5/2001

Total Depth : 5600 ft.

Comp Date :

PBTD : 5560 ft.

Date : 2/3/2001 Activity: Surface Work Days On Completion : 20

Rpt Summary :

Report Detail : 07:00 to 17:00 - Surface Work - ROW const trace WH ran feul gas to engine, run 1" poly for feul gas .

Date : 2/5/2001 Activity: Surface Work Days On Completion : 22

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - Finish tracing WH, tie'd pumping unit down to cement pad, weld & pull 1560' 2 1/2" flow line, start pulling 1 1/2" trace line.

Date : 2/6/2001 Activity: Surface Work Days On Completion : 23

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - Pulled & welded 3120' 1 1/2" trace line f 29-14 to 29-13 start to move flow line to side of ROW.

Date : 2/7/2001 Activity: Surface Work Days On Completion : 24

Rpt Summary :

Report Detail : 07:00 to 19:00 - Surface Work - Finish tying unit dwn, tie'd flow line into WH, worked on skidding & banding flow line flow line const around 29-13 loc for 29-14 360' 2 1/2", 378' 1 1/2" trace line.

Date : 2/8/2001 Activity: Surface Work Days On Completion : 25

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - Finish skidding & banding flow line f /29-14 to 29-13, finish running trace line for 29-14 across 29-13 loc, move line heater f/ 30-10 to 29-13 loc for 29-14 flow line set & level, tie'd in fuel gas & scrubber to ajax.

Date : 2/9/2001 Activity: Surface Work Days On Completion : 26

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - Built by pass into 29-13 flow line trace from 29-14 trace, tie'd in line heater suction & discharge, ran flow line to top of hill onto 29-13 loc.

Date : 2/10/2001 Activity: Surface Work Days On Completion : 27

Rpt Summary :

Report Detail : 07:00 to 10:00 - Surface Work - Made tie in @ hill on 29-13 loc for 29-14 flow line.

Date : 2/12/2001 Activity: Surface Work Days On Completion : 29

Rpt Summary :

Report Detail : 12:00 to 16:00 - Surface Work - Weld & pull'd 504' 2 1/2" flow line pipe F/ 30-15 batt towards ROW.



UTE TRIBAL 29-14 Completion Chronological Report Page 4 of 5

Well Name : UTE TRIBAL 29-14

Well User ID : 1508

AFE # : 41890

Operator : PETROGLYPH OPERATING COMPANY

WI : 1

NRI 0

Loc : STR : 29 -5S - 3W

County : DUCHESNE, UT APICode : 043-013-32201-0

Field : ANTELOPE CREEK

Contractor :

AFE Type : Drilling

Spud Date : 12/23/2000 Rig Rel Date : 1/5/2001

Total Depth : 5600 ft.

Comp Date :

PBTD : 5560 ft.

Date : 2/13/2001 Activity: Surface Work Days On Completion : 30

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - Weld & pull'd rem 2 1/2" flow line 546', tie'd line into treator put tin & insulation bac on.

Date : 2/16/2001 Activity: Surface Work Days On Completion : 33

Rpt Summary :

Report Detail : 07:00 to 18:00 - Surface Work - Help remove tin & unsulation from old 30-16 flowline add 29-14 flow line in bundle band same put on blocks for insulators.

Date : 2/28/2001 Activity: Surface Work Days On Completion : 45

Rpt Summary :

Report Detail : 10:00 to 18:00 - Surface Work - Weld & pulled 48 jts 2 1/2" flow line pipe,2016' & placed on ROW.

Date : 3/6/2001 Activity: Surface Work Days On Completion : 51

Rpt Summary :

Report Detail : 07:00 to 11:00 - Surface Work - Rework governor on ajax, adjust brake, plum in chemical pump put unit to pumping

Date : 3/8/2001 Activity: Surface Work Days On Completion : 53

Rpt Summary :

Report Detail : 07:00 to 11:00 - Surface Work - Cut up flow line & trace line that was left on loc & buil't fench for bull wheel, haul pipe to 20-02.

Date : 3/10/2001 Activity: Surface Work Days On Completion : 55

Rpt Summary :

Report Detail : 07:00 to 15:00 - Surface Work - Went to 29-13, unhooked 29-14 line heater took to 29-14 loc & hooked up help get circulating.

Casing

Dateln	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
12/28/2000	336	8	Surface	8.625	24	K-55		12.25	336
1/5/2001	5802	143	Production	5.5	15.5	K-55	4.95	7.875	5837

Well Perforation History

(This shows only the perforations for this project or day)

Date	Formation	Perf Status	Upper Perf	Lower Perf	Sht / Ft	Description:
1/16/2001	D1	Open	4964	4972	4	



Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson KS 67504-1839
Phone : (316) 665-8500 Fax : (316) 665-8577

Completion Chron Report

CONFIDENTIAL

UTE TRIBAL 29-14 Completion Chronological Report Page 5 of 5

Well Name : UTE TRIBAL 29-14

Well User ID : 1508

AFE # : 41890

Operator : PETROGLYPH OPERATING COMPANY

WI : 1

NRI 0

Loc : STR : 29 -5S - 3W

County : DUCHESNE, UT APICode : 043-013-32201-0

Field : ANTELOPE CREEK

Contractor :

AFE Type : Drilling

Spud Date : 12/23/2000 Rig Rel Date : 1/5/2001

Total Depth : 5600 ft.

Comp Date :

PBTD : 5560 ft.

1/16/2001	D1	Open	4977	4982	4
1/17/2001	B2	Open	4005	4007	4
1/17/2001	B2	Open	4009	4026	4
1/17/2001	C5	Open	4638	4653	4
1/17/2001	C8.1	Open	4838	4844	4
1/17/2001	C8.2	Open	4858	4864	4

CONFIDENTIAL

Form 3160-5
(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

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

5. Lease Serial No.
1420H623518

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

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

8. Lease Name and Well No.
UTE TRIBAL #29-14

9. API Well No.
4301332201

10. Field and Pool, or Exploratory
ANTELOPE CREEK

11. County or Parish, State
DUCHESNE, UT

SUBMIT IN TRIPLICATE- Other Instructions on reverse side

1. Type of Well:
 Oil Well Gas Well Other

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

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 29 T5S R3W SESW 679FSL 1942FWL

CONFIDENTIAL

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

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

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

Date of first Production **3/6/2001**

RECEIVED

MAY 14 2001

DIVISION OF
OIL, GAS AND MINING

Name (Printed/Typed)	Title
Signature	Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

ELECTRONIC SUBMISSION #4022 VERIFIED BY THE BLM WELL INFORMATION SYSTEM FOR PETROGLYPH OPERATING COMPANY, SENT TO THE VERNAL FIELD OFFICE

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. 1420H623518	
2. Name of Operator PETROGLYPH OPERATING COMPANY,		6. If Indian, Allottee or Tribe Name UTE INDIAN TRIBE	
3a. Address P.O. BOX 607 ROOSEVELT, UT 84066		7. If Unit or CA/Agreement, Name and/or No. 1420H624650	
3b. Phone No. (include area code) Ph: 435.722.2531 Fx: 435.722.9145		8. Well Name and No. UTE TRIBAL 29-14	
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T5S R3W Mer SESW		9. API Well No. 43-013-32201	
		10. Field and Pool, or Exploratory ANTELOPE CREEK	
		11. County or Parish, and State DUCHESNE COUNTY, UT	

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

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

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

Petroglyph has requested from the EPA that the above referenced well be added to the EPA area permit # UT2737-00000 and approval to convert to a Water Injection Well.

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

RECEIVED
JUN 21 2001
DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #4809 verified by the BLM Well Information System For PETROGLYPH OPERATING COMPANY,, sent to the Vernal

Name (Printed/Typed) MICHEAL SAFFORD	Title COORDINATOR
Signature	Date 06/06/2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

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

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

**** ORIGINAL ** ORIGINAL ****

WELL DATA

WELL SEARCH

WELL DATA

WELL HISTORY

WELL ACTIVITY

LOOK UP: OPERATOR NAME / ACCOUNT

LOOK UP: FIELD NAME / NUMBER

SEARCH KEYS (Enter desired keys and press 'Enter' or click on 'Search')

API NUMBER WELL NAME
 OPERATOR ACCOUNT WELL STATUS/TYPE
 FIELD NUMBER ENTITY NUMBER
 SECTION / TOWNSHIP / RANGE / MERIDIAN

4301332194 : UTE TRIBAL 18-04

1/7



SEARCH

CLEAR KEYS

PRINT ALL

GET ALL WELLS

API	WELL NAME	ACCOUNT	ALT-ADD	STATUS	WELL TYPE	FIELD	QTR/QTR	SEC	TWP	RNG	MERIDIAN	COUNTY	SU
4301332194	UTE TRIBAL 18-04	N1425	#	APD	OW	630 NWNW	18	050S	030W	U	DUCHESNE		
4301332195	UTE TRIBAL 20-09	N1425	#	APD	OW	630 NESE	20	050S	030W	U	DUCHESNE		
4301332196	UTE TRIBAL 20-15	N1425	#	APD	OW	630 SWSE	20	050S	030W	U	DUCHESNE		
4301332197	UTE TRIBAL 20-16	N1425	#	APD	OW	60 SESE	20	050S	030W	U	DUCHESNE		
4301332198	UTE TRIBAL 29-01	N1425	#	I	WI	60 NENE	29	050S	030W	U	DUCHESNE	07:	
4301332200	UTE TRIBAL 29-13	N1425	#	DRL	OW	60 SWSW	29	050S	030W	U	DUCHESNE		
4301332201	UT 29-14	N1425	#	DRL	GW	60 SESW	29	050S	030W	U	DUCHESNE		

MY COMPUTER UTM COORDS

INTERNET EXPLORER ACROBAT READE...

RECYCLE BIN QUICK PLAY

HP 2500C TOOLBOX WINA...

(D) ZIP 250 ACDS TRIA...

NETSCAPE GET COMMUN... QUICK

NETWORK NEIGHB... LA LIE ALL WE

GROUP... 5 LA LIE STATE ...

OIL&GAS REDMSX 2005

MAIL FROM: CAROLYN WILLIAMS

FILE EDIT VIEW ACTIONS TOOLS WINDOW HELP

From: Carolyn Williams CC:

To: Cordova, Lisha; Staley, Don; Thom(...)

Subject: PETROGLYPH

Message:

When I printed the February turnaround one of Petroglyphs wells came out under N1425. I also found several in the system that are drilling and APD status.

I talked with Mike at Petroglyph and he said that all the wells should be under N3800. Petroglyph Energy Inc N1425 is the public part of the company but all the wells are operated under Petroglyph Operating Co and he wants all the wells under the same account number.

**010314 updated in record of. APD's should be submitted under correct name. jc*

DATE: 3/12/01 9:36AM

	DATE
	01/29/01
	02/06/01
	02/07/01
	02/16/01
ITY	02/16/01
B/01	02/23/01
S	03/02/01
AR NOMINA	03/07/01
	03/08/01
	03/09/01
INTERNET PR	03/12/01
	03/12/01
S CALENDAI	03/12/01
	03/13/01
OR THE NI	03/13/01
0: 1	TOTAL: 19



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

AUG 20 2001

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

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

RE: Additional Well to Area Permit
Antelope Creek Waterflood
EPA Area Permit No. UT2736-00000
Duchesne County, Utah

Dear Mr. Safford:

Your request of June 6, 2001, that the following production well be converted to a Class II enhanced oil recovery well and added to the Antelope Creek Waterflood, as authorized under EPA Area Permit No. UT2736-00000, is hereby granted.

Table with 3 columns: NAME, LOCATION, EPA WELL PERMIT NO.
Row 1: Ute Tribal #29-14, SE SW Section 29 T 5 S - R 3 W Duchesne County, UT, UT2736-04641

This additional well is within the boundary of the existing Area Permit for the Antelope Creek Waterflood (UT2736-00000), and this addition is made according to the terms and conditions of that Permit. Unless specifically mentioned in this authorization, conversion is being made under the provisions of 40 CFR §144.33 and the terms and conditions of the original Permit. The proposed well location, well schematic, conversion procedures with/schematic, plugging and abandonment plan with/schematic, and Cement Bond Log (CBL), submitted by your office, have been reviewed and approved as follows:

- (1) The conversion plan for this production well has been reviewed, and found satisfactory. EPA analysis of the CBL for this well has not identified a minimum interval of adequate cement within the confining zone (3,850' to

3,964'), pursuant to Region 8 Ground Water Section Guidance No. 34. Therefore, it has not been determined that cement in this well provides an effective barrier to upward movement of fluids through vertical channels adjacent to the wellbore (Part II Mechanical Integrity [MI] pursuant to 40 CFR § 146.8 (2)). The permittee is then required to demonstrate Part II MI, pursuant to standards of Region 8 GROUND WATER SECTION GUIDANCE NO. 37 Demonstrating Part II (external) Mechanical Integrity for a Class II injection well permit.

- (2) **Maximum injection pressure (MIP)** - please reference the Final Area Permit UT2736-00000, Part II. Section C.5.(b) "the maximum surface injection pressure (MIP) shall not exceed 1900 psig". Until such time that a **step-rate injectivity test (SRT)** has been performed and approved by the EPA, the initial maximum surface injection pressure (MIP) for the Ute Tribal #29-14 shall not exceed 1900 psig.

Final Area Permit (UT2736-00000), has provisions whereby the permittee may request an increase, or decrease, in the maximum surface injection pressure.

- (3) The **plugging and abandonment plan and schematic**, submitted by the permittee has been reviewed, and approved w/changes by the EPA. The permittee shall add a 100 foot cement plug across the base of USDWs, 1,200 feet to 1,300 feet.

Underground Sources of Drinking Water (USDWs). The base of the USDWs in the Ute Tribal #29-14 is approximately 1,253 feet below ground level and is located within the Uinta Formation. The source for this USDW information is formation water analyses submitted by the operator for twenty-two (22) wells within the initial AOR, and from Publication No. 92 (1987), prepared jointly by the USGS and the Utah Division of Oil, Gas, and Mining.

Injection Interval: Fluid injection shall be limited to the gross zones within the Green River Formation between the approximate depths of 3,964 feet (Top of "B" Marker) and 5,507 feet (Basal Carbonate Zone). The injection (perforated) zones within this portion of the Green River Formation, are comprised of porous and permeable lenticular calcareous sandstones interbedded with low permeability carbonates and calcareous shales. The lenticular sandstones vary in thickness from 1 to 30 feet and are individually separated by shale which act as isolation barriers (confining zones) for the waterflood.

Confining Zone: The overall confining zone above the top injection interval (4,005'), is identified in this well from 3,964' ("B" marker) to 3,850', and is overlain by impermeable Upper Green River Formation calcareous sandy lacustrine shales and continuous beds of microcrystalline dolomite.

Prior to commencing injection into this well, permittee shall fulfill Permit condition PART II, C. 2. and have submitted to the EPA for review and approval, the following:

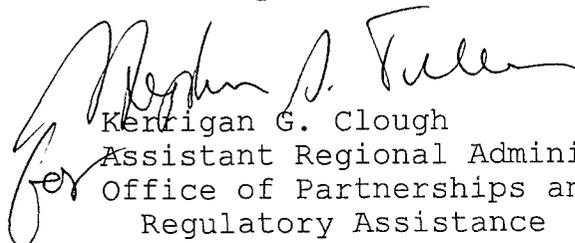
- (1) All conversion is complete and the permittee has submitted a completed **Well Rework Record (EPA Form 7520-12)**; and
- (2) a **pore pressure survey** has been determined of the injection zones; and
- (3) the Permittee has submitted for review and approval **Part I (Internal) and Part II (External) of the mechanical integrity test (MIT)**; EPA form enclosed with current MIT Guidance No. 37.

Please be aware that Petroglyph does not have authorization to begin injection into the Ute Tribal #29-14 until the items listed above have been approved by the EPA and Petroglyph has received written authorization to begin injection from the EPA.

All other provisions and conditions of the Permit remain as originally issued July 12, 1994, and revised April 30, 1998.

If you have any questions, please contact Mr. Dan Jackson at 303.312.6155. Also, please direct the above requirements to the Ground Water Program Director at the above letterhead address, citing **MAIL CODE 8P-W-GW**. Thank you for your continued cooperation.

Sincerely,



Kerrigan G. Clough
Assistant Regional Administrator
Office of Partnerships and
Regulatory Assistance

Enclosure: Mechanical Integrity Test Form (MIT)
Current MIT Guidance No. 37

cc: Mr. D. Floyd Wopsock, Chairman
Uintah & Ouray Business Committee
Ute Indian Tribe

Ms. Elaine Willie, Environmental Coordinator
Ute Indian Tribe

Norman Cambridge
BIA - Uintah & Ouray Agency

Mr. Jerry Kenczka
BLM - Vernal District Office

Mr. Gilbert Hunt
State of Utah Natural Resources
Utah Division of Oil, Gas & Mining

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

5. Lease Designation and Serial No.
BIA E & D AGRMT NO. 4750

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

7. If Unit or CA, Agreement Designation

8. Well Name and No.
Ute Tribal 29-13D3E

9. API Well No.
43-047-33017

10. Field and Pool, or Exploratory Area

11. County or Parish, State
Uintah County

SUBMIT IN TRIPLICATE

1. Type of Well
 Well Gas Well Other

2. Name of Operator
Petroglyph Operating Company, Inc.

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

4. Location of Well (Footage, Sec., T., R., or Survey Description)
**760' FSL 780' FWL
SWSW Sec. 29-T4S-R3E**

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 checked="" type="checkbox"/> Other <i>Change of operator</i>
	<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.)

RECEIVED
FEB 01 1999

Please be advised that Sego Resources Corp. transferred operatorship of the above referenced well to Petroglyph Operating Company, Inc., effective 07/13/98.

Petroglyph is responsible under the terms and conditions of the E&D Agreement for the operations conducted upon this property.

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

Signed *Deanna Bell* Title Operations Coordinator Date 1/29/99

(This space for Federal or State official use)
Approved by *David L. Claug* Title Assistant Field Manager Date SEP 17 2001
Mineral Resources

Conditions of Approval, if any:

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

*See Instruction on Reverse Side

OPERATOR

SD/WE/ITD

memorandum

DATE: September 17, 2001

REPLY TO
ATTN OF: Superintendent, Uintah and Ouray Agency

SUBJECT: Change of Operator

TO: Bureau of Land Management, Vernal District Office
Attention: Margie Herrmann, Division of Minerals and Mining

We have received a copy of a Sundry Notice, dated July 16, 1998, informing this office of a change of operator for the following wells:

OPERATOR - FROM: Sego Resources Corp.
TO: Petroglyph Operating Company

Legal Description	Lease No.	Well No.	Location
Sec. 29-T4S-R3E	14-20-H62-4750	Ute Tribal 29-13-D3E	SWSW

-4837

This office concurs with the change of operator. All operations will be covered under Petroglyph's Bond filed with this office, for those wells on trust property.

If you have any questions, please contact this office at (435) 722-4310.

Charles H. Cameron

cc: Jerry Kenczka, BLM/Vernal
Energy & Minerals, Ute Tribe
Ute Distribution Corporation, Roosevelt, UT
Lisha Cordova, State of Utah
Theresa Thompson, BLM/State Office



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

RECEIVED

NOV 13 2001

DIVISION OF
OIL, GAS AND MINING

NOV 13 2001

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: **Limited Authorization to Inject**
Ute Tribal #29-14
EPA Area Permit No. UT2736-00000
EPA Well Permit No. UT04641
Duchesne County, Utah

UIC-302.1

11-13-2002
Je

On October 25, 2001, Petroglyph Operating Company, Inc. (Petroglyph) submitted information required to fulfill the Environmental Protection Agency's (EPA) Prior to Commencing Injection (Additional Wells) requirements in the above-referenced Final Area Permit and Authorization to Add an Additional Well to the Area Permit. The **Part I (Internal) Mechanical Integrity** pressure test of September 8, 2001, a Well Rework Record (EPA Form No. 7520-12), and injection zone pore pressure determination have been reviewed and approved by the EPA.

EPA is hereby authorizing injection into the Ute Tribal #29-14 for a **limited period of up to one hundred eighty (180) calendar days**, effective upon receipt of this letter, herein referred to as the '**limited authorized period**'.

Because the cement bond log submitted for this well did not show an adequate interval of 80% or greater bond index through the confining zone above the perforated intervals (4,005 to 4,982'), the operator also is required to demonstrate **Part II (External) Mechanical Integrity (Part II MI)** within the limited authorized period. The demonstration shall be by temperature survey or other approved test. Approved tests for demonstrating





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
<http://www.epa.gov/region08>

RECEIVED

NOV 13 2001

DIVISION OF
OIL, GAS AND MINING

NOV 13 2001

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

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

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

RE: **Limited Authorization to Inject**
Ute Tribal #29-14
EPA Area Permit No. UT2736-00000
EPA Well Permit No. UT04641
Duchesne County, Utah

Dear Mr. Safford:

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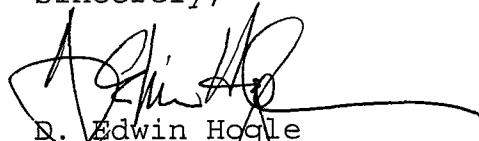
Part II MI include a temperature survey, noise log or oxygen activation log, and Region 8 may also accept results of a radioactive tracer survey (RATS) under certain circumstances. The limited authorized period allows injection for the purpose of stabilizing the injection formation pressure prior to demonstrating Part II MI, which is necessary because the proposed injection zone may be under pressured due to previous oil production from the zone, and the tests rely on stable formation pressure. Results of tests shall be submitted to, and written approval with authority to re-commence injection received from, EPA prior to resuming injection following the limited authorized period. A copy of Region 8 guideline for conducting a temperature survey is enclosed with this letter.

An initial maximum surface injection pressure (MIP) **not to exceed 1900 psig** was determined for wells within Area Permit UT2736-00000. Please note that the maximum pressure used during the temperature survey or other approved test becomes the final permitted maximum injection pressure, or MIP, because Part II MI was demonstrated at that pressure. Therefore, it may be advantageous to run a step rate test (SRT) prior to conducting the temperature survey or other approved test.

Should the operator apply for an increase to the MIP at any future date, another demonstration of Part II MI must be conducted in addition to the step rate test. The operator must receive prior authorization from the Director in order to inject at pressures greater than the permitted MIP during the test(s).

If you have any questions in regard to the above action, please contact Dan Jackson at 303.312.6155 or Paul Osborne at 303.312.6125. Results from temperature log or other Part II MI test should be mailed directly to the Ground Water Program Director, Mail Code 8P-W-GW.

Sincerely,


D. Edwin Hogle
Director
Ground Water Program

enclosure: Region 8 Guideline for conducting a temperature survey

cc w/o enclosures:

Mr. D. Floyd Wopsock, Chairman
Uintah & Ouray Business Council
Ute Indian Tribe

Ms. Elaine Willie, Environmental Coordinator
Ute Indian Tribe

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

Mr. Jerry Kenczka
Bureau of Land management
Vernal District Office

Mr. Nathan Wiser, ENF-T
USEPA



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION VIII

999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

TEMPERATURE LOGGING FOR MECHANICAL INTEGRITY

January 12, 1999

PURPOSE:

The purpose of this document is to provide a guideline for the acquisition of temperature surveys, a procedure that may be used to determine the internal mechanical integrity of tubing and casing in an injection well. A temperature survey may be used to verify confinement of injected fluids within the injection formation.

LOGGING PROCEDURE

Run the temperature survey while going into the hole, with the temperature sensor located as close to the bottom of the tool as possible. The tool need not be centralized.

Record temperatures a 1-5 °F per inch, on a 5 inches per 100 feet log scale.

Logging speed should be within 20 - 30 feet per minute.

Run the log from ground level to total depth (or plug-back depth) of the well.

When using digital logging equipment, use the highest digital sampling rate as possible. Filtering should be kept to a minimum so that small scale results are obtained and preserved.

Record the first log trace while injecting at up to the maximum allowed injection pressure. Subsequent to the temperature survey, the maximum injection pressure will be limited to the pressure used during the survey.

LOG TRACES

Log the first log trace while the well is actively injecting, and record traces for gamma ray, temperature, and differential temperature.

Shut-in (not injecting) temperature curves should be recorded at intervals depending on the length of time that the injection well has been active. Preferred time intervals are shown in the following table:

Table with 2 main columns: Active Injection and Record Curves at These Times (In Hours). Rows include 1 month, 6 months, 1 year, 5 years, and 10 years or more, with corresponding time intervals in hours.

RECEIVED NOV 15 2007



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8

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

RECEIVED

Jan 23 2013

DIV. OF OIL, GAS & MINING

Ref: 8ENF-UFO

JAN 17 2013

CERTIFIED MAIL 7009-3410-0000-2599-7655
RETURN RECEIPT REQUESTED

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

SS 3W 29

Re: Underground Injection Control (UIC)
Permission to Resume Injection
Ute Tribal 29-14 Well
EPA ID# UT20736-04641
API # 43-013-32201
Antelope Creek Oil Field
Duchesne County, UT

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

Dear Mr. Farnsworth:

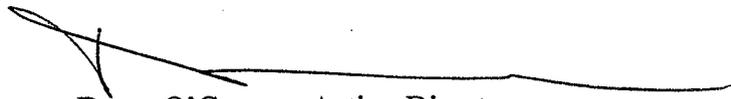
On January 10, 2013, the Environmental Protection Agency (EPA) received information from Petroglyph Operating Company, Inc. on the above referenced well concerning the workover the followup mechanical integrity test (MIT) conducted on October 3, 2012. The data submitted shows that the well passed the required MIT. Therefore, pursuant to Title 40 of the Code of Federal Regulations Section 144.51(q)(2) (40 C.F.R. §144.51(q)(2)), permission to resume injection is granted. Under continuous service, the next MIT will be due on or before October 3, 2017.

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

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

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

Sincerely,



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

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

Ronald Wopsock, Vice-Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Reannin Tapoof, Assistant
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

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

Frances Poowegup, Councilwoman
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

Manuel Myore, Director of Energy,
Minerals and Air Programs
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

Mike Natchees, Environmental
Coordinator
Ute Indian Tribe
P.O. Box 190
Fort Duchesne, Utah 84026

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

