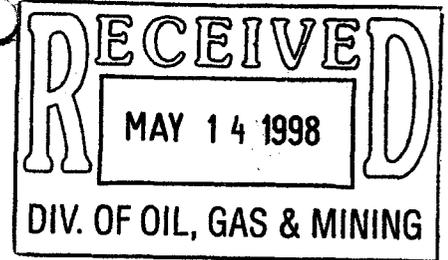


Petroglyph Operating Co., Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839



May 11, 1998

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 #36-08-E4W
SE/NE, SEC. 36, T5S, R4W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-
UTE TRIBAL LANDS

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read "Ed Trotter".

Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-4745

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

7. UNIT AGREEMENT NAME

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

9. API WELL NO.
#36-08-E4W

10. FIELD AND POOL, OR WILDCAT
ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
SEC. 36, T5S, R4W

12. COUNTY OR PARISH
DUCHESNE

13. STATE
UTAH

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1A. TYPE OF WORK
DRILL DEEPEN

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

2. NAME OF OPERATOR
PETROGLYPH OPERATING COMPANY, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface 1796' FNL & 713' FEL SE/NE
At proposed prod. zone 717'

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)
713'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
80

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
5877'

19. PROPOSED DEPTH
5877'

20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6392.0' GRADED GROUND

22. APPROX. DATE WORK WILL START*
MAY 1998

CONFIDENTIAL

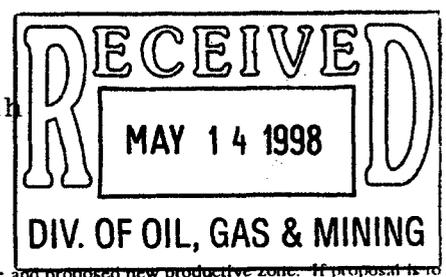
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂ + 1/4 #/sx celloflake. 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).
7 7/8	5 1/2	15.5#	5877'	

CONFIDENTIAL

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

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



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

24. SIGNED [Signature] TITLE AGENT FOR PETROGLYPH DATE 5-8-1998

(This space for Federal or State office use)
PERMIT NO. 43-013-31815 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: **Federal Approval of this Action is Necessary**

APPROVED BY [Signature] TITLE RECLAMATION SPECIALIST DATE 6/1/98

*See Instructions On Reverse Side

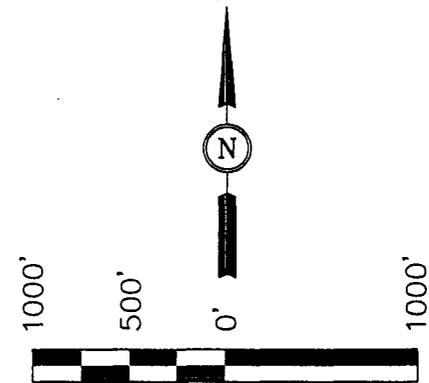
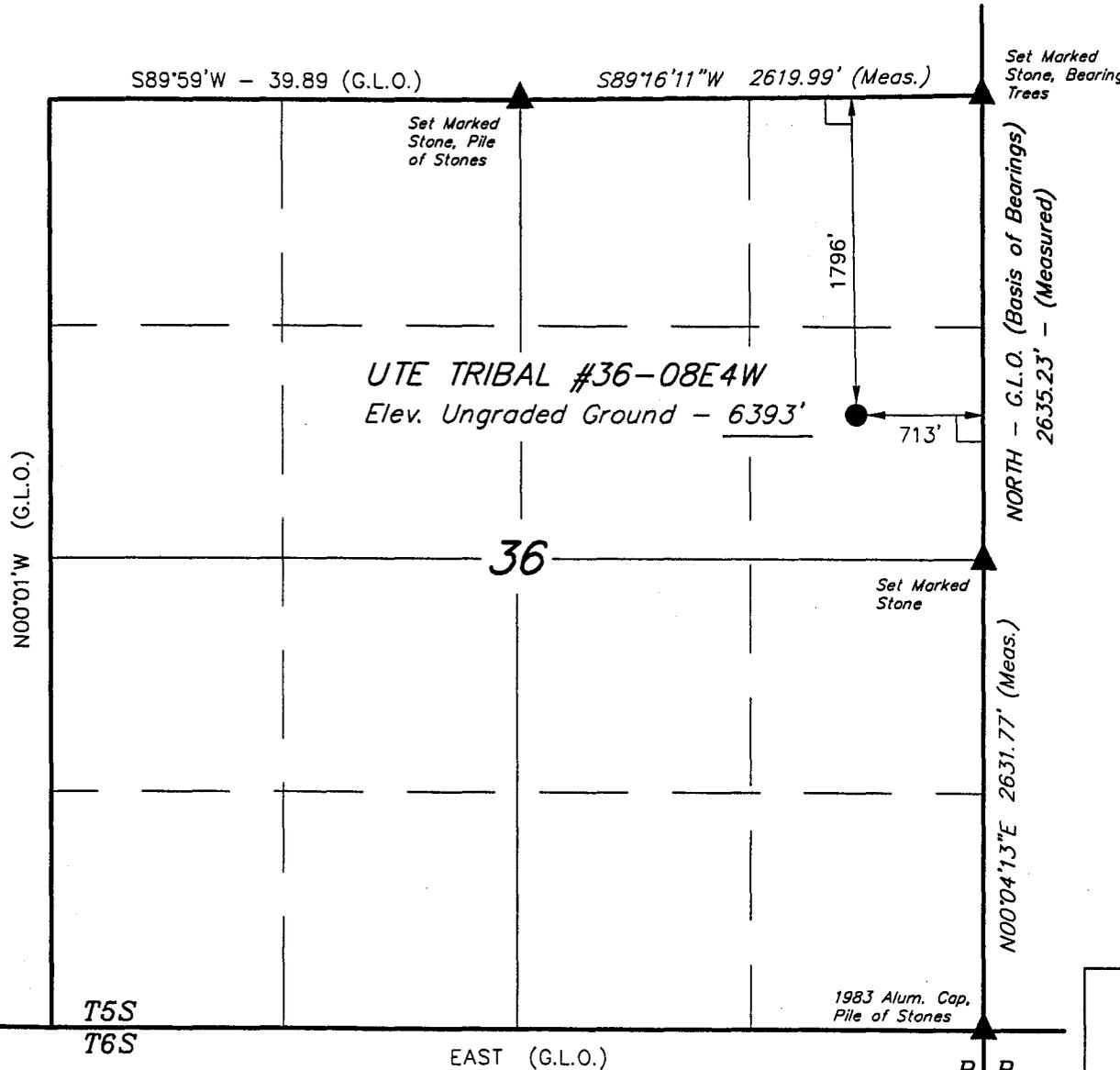
T5S, R4W, U.S.B.&M.

PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #36-08E4W, located as shown in the SE 1/4 NE 1/4 of Section 36, T5S, R4W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

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



SCALE

CERTIFICATE

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

Robert L. [Signature]
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (435) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 12-2-97	DATE DRAWN: 12-18-97
PARTY G.S. K.R. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COLD	FILE PETROGLYPH OPERATING CO., INC.	

LEGEND:

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

R
4
W

EIGHT POINT PLAN

UTE TRIBAL #36-08-E4W
SE/NE, SEC. 36, T5S R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2522	3870
"B" Marker	3592	2800
"X" Marker	4042	2350
Douglas Creek	4182	2210
"B" Limestone	4557	1835
B/Castle Peak Limestone	5097	1295
Basal Carbonate Limestone	5527	865
Total Depth	5877	515

Anticipated BHP 2000 psi

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

Substance	Formation	Depth	Subsea
Oil/Gas	Douglas Creek	4182	2210
Oil/Gas	B/Castle Peak	5097	1295
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>MINIMUM SAFETY FACTOR</u>		
						<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 5877'	5877'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN

UTE TRIBAL #36-08E4W
SE/NE, SEC. 36, T5S R4W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

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

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

6. VARIANCE REQUESTS:

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

7. EVALUATION PROGRAM:

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

Cores: None Programmed

DST: None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL #36-08-E4W
SE/NE, SEC. 36, T5S R4W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

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

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

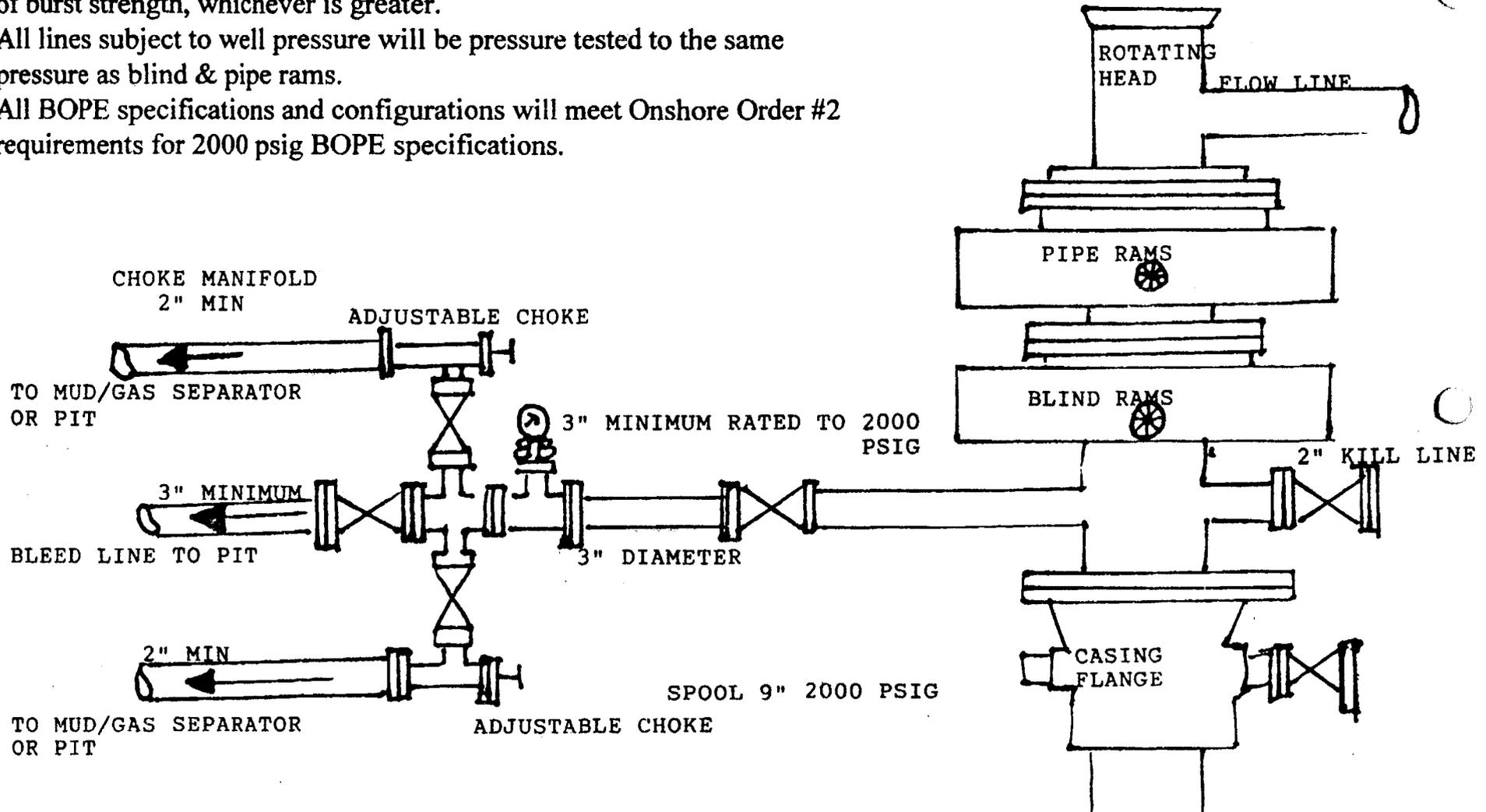
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

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

TESTING PROCEDURE:

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



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

Company/Operator: Petroglyph Operating Co., Inc.
Well Name & Number: Ute Tribal #36-08-E4W
Lease Number: BIA 14-20-H62-
Location: 1796' ENL & 713' FEL SE/NE, Sec. 36, T5S R4W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

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

Location Completion - prior to moving on the drilling rig.

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

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

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

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

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

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 21.3 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 0.3 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

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

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

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

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

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

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

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

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

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 1*
- G. Shut in wells - 1*
- H. Injection wells - 1*

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

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

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

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

B. OFF WELL PAD

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground production pipeline will be laid approximately 1325' from proposed location to a point in the NW/NW of Section 31, T5S, R4W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

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

The production facilities will be placed on the South side of the battery.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.

(Occupational Safety and Health Act) will be excluded.

The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIAL

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

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

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

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

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

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

On BIA administered land:

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

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

To protect the environment:

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

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

Storage tanks will be used if drill sites are located on tribal

irrigable land, flood plains, or on lands under crop production.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

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

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

The flare pit will be located downwind of the prevailing wind direction on the Northwest 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 corner.

Access to the well pad will be from the Northwest.

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

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

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

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

X Corners No. 2, 4, 6 & 8 will be rounded off to minimize excavation.

FENCING REQUIREMENTS

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

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to

satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

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

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

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

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

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

ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe
Location: Ute Indian Tribe

12. OTHER INFORMATION

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

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

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

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

B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,

or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

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

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

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted.

All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,

the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

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

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

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

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

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

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

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter
1620 West 750 North
Vernal UT 84078
Telephone # (801)789-4120
Fax # (801) 789-1420

OPERATIONS

Vince Guinn
P.O. Box 607
Roosevelt, UT 84066
(801) 722-2531
Fax # (801) 722-9145

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

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

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

Certification:

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

5-11-1998

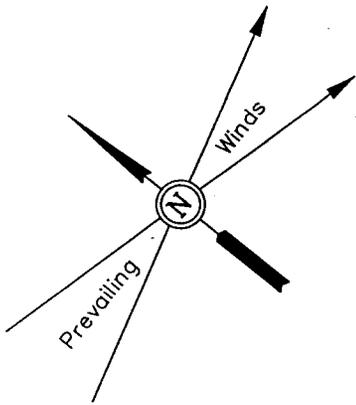
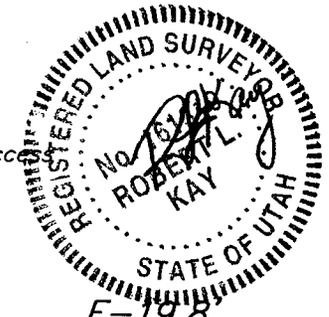
Date



PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #36-08E4W
SECTION 36, T5S, R4W, U.S.B.&M.
1796' FNL 713' FEL



SCALE: 1" = 50'
DATE: 12-18-97
Drawn By: C.B.T.

NOTE:

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

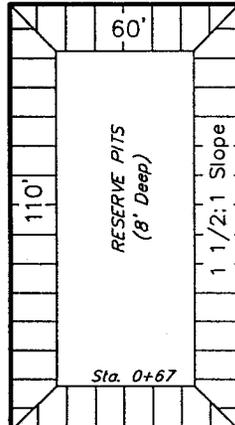
FLARE PIT



C-5.7'
El. 397.7'

El. 408.2'
C-24.2'
(btm. pit)

10' WIDE BENCH



Sta. 0+67

El. 416.7'
C-32.7'
(btm. pit)

El. 407.6'
C-15.6'

Reserve Pit Backfill & Spoils Stockpile

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

El. 408.0'
C-16.0'

C-8.9'
El. 400.9'

Approx. Top of Cut Slope

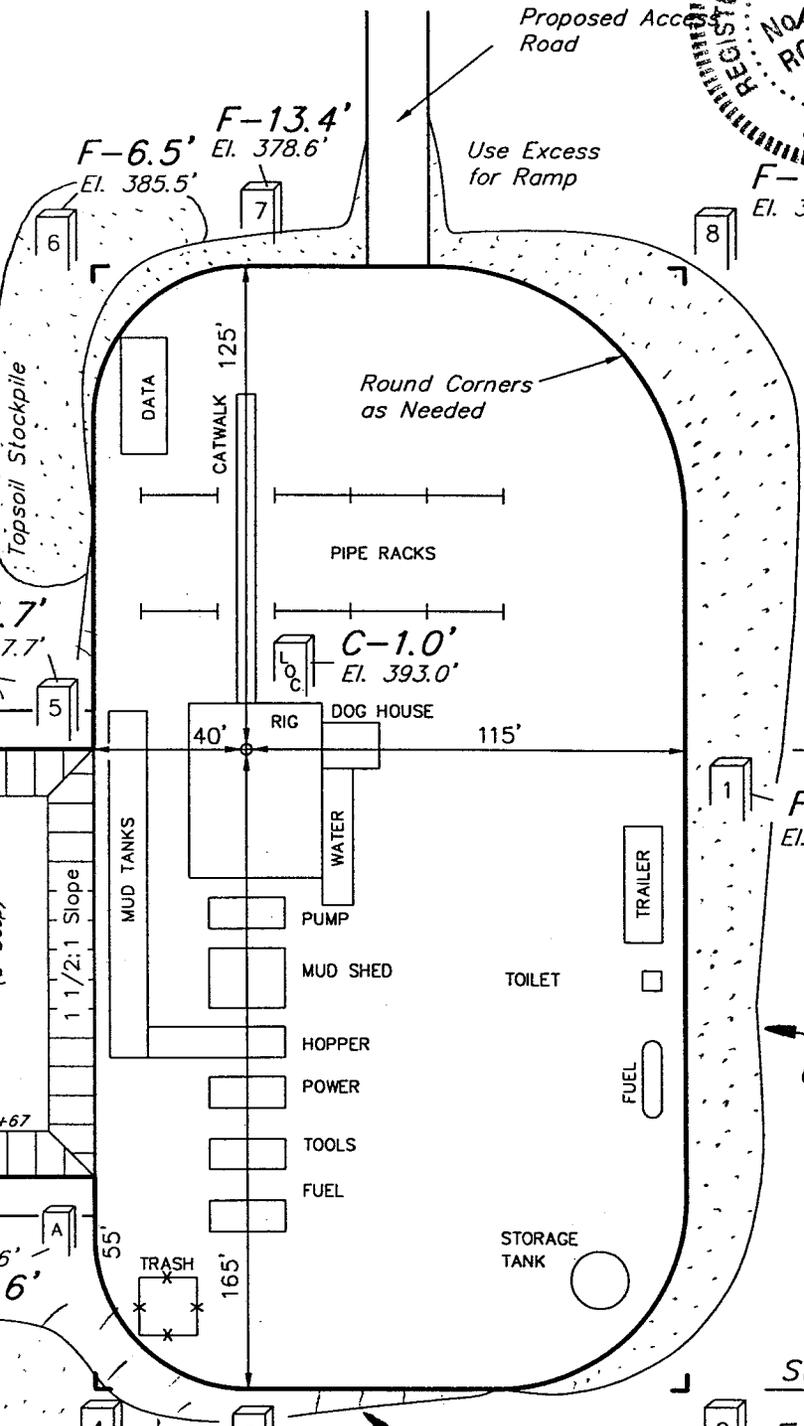
F-12.3'
El. 379.7'

Sta. 0+00

F-13.6'
El. 378.4'

Sta. 1+65

Sta. 2+90



Elev. Ungraded Ground at Location Stake = 6393.0'

Elev. Graded Ground at Location Stake = 6392.0'

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

PETROGLYPH OPERATING CO., INC.

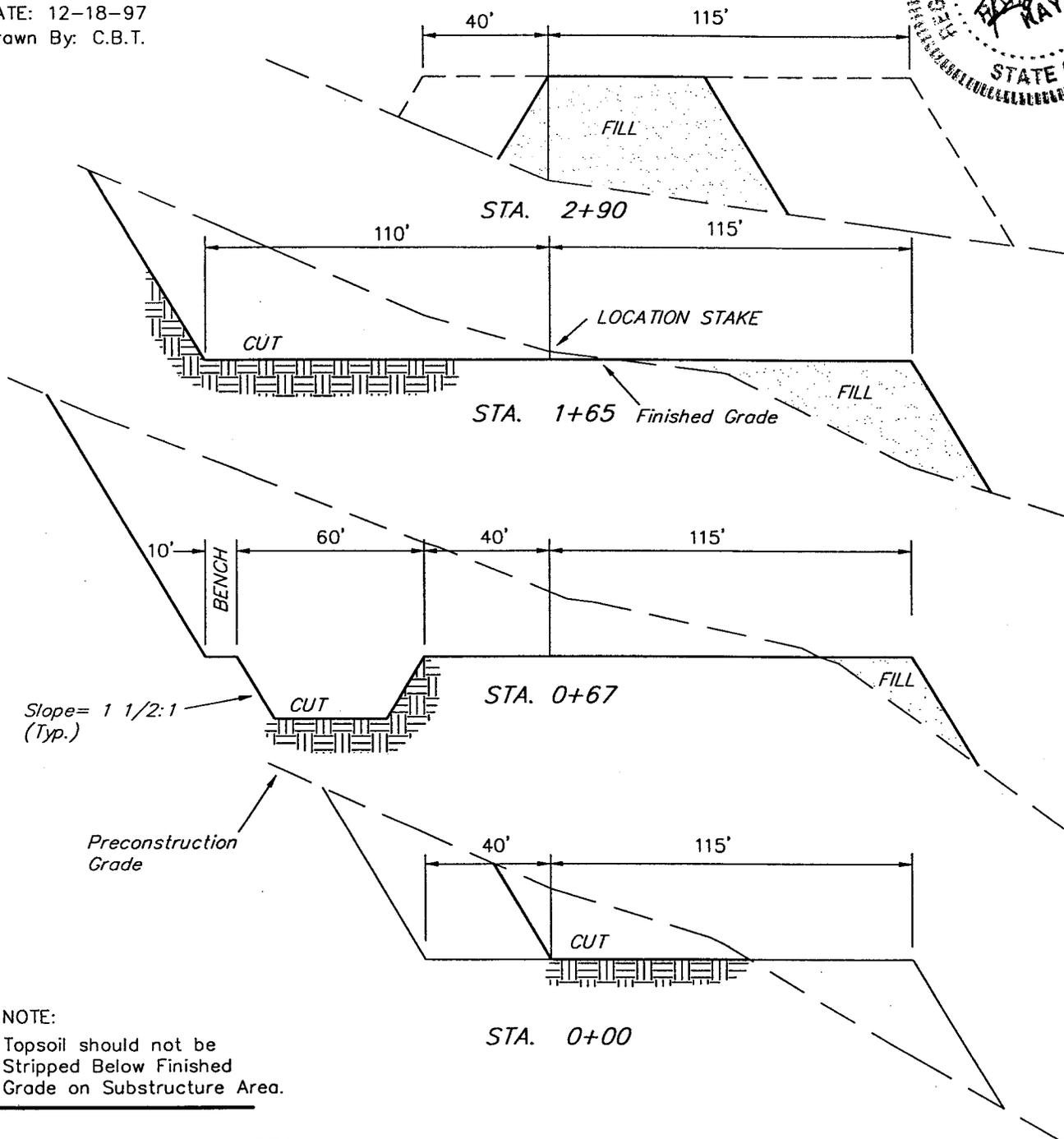
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #36-08E4W
SECTION 36, T5S, R4W, U.S.B.&M.
1796' FNL 713' FEL



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

DATE: 12-18-97
Drawn By: C.B.T.



NOTE:

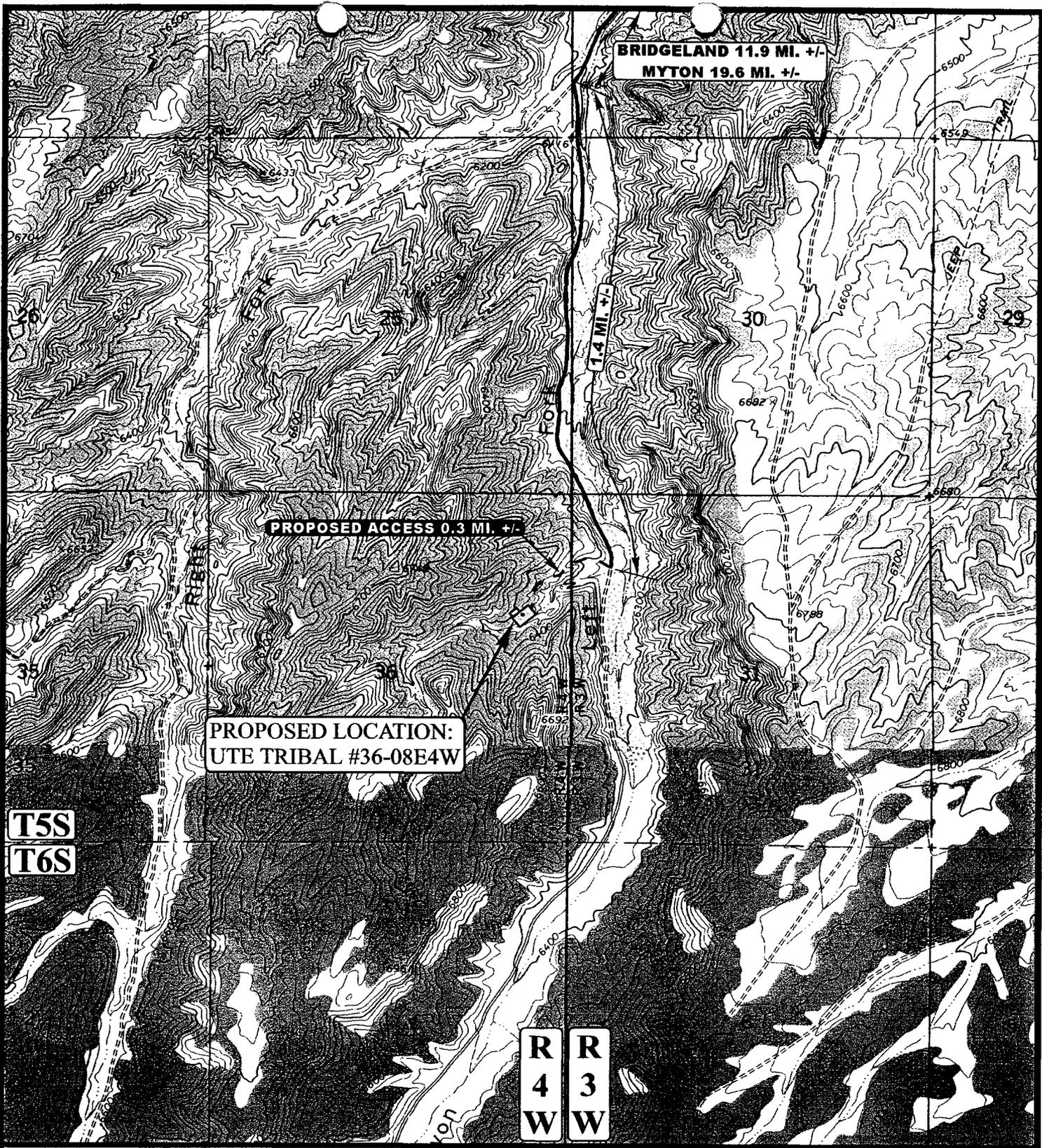
Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(12") Topsoil Stripping	=	1,910 Cu. Yds.
Remaining Location	=	12,290 Cu. Yds.
TOTAL CUT	=	14,200 CU.YDS.
FILL	=	10,840 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	2,790 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,610 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	180 Cu. Yds.

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



BRIDGELAND 11.9 MI. +/-
MYTON 19.6 MI. +/-

PROPOSED ACCESS 0.3 MI. +/-

PROPOSED LOCATION:
UTE TRIBAL #36-08E4W

T5S
T6S

R R
4 3
W W

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING ROAD



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #36-08E4W
SECTION 36, T5S, R4W, U.S.B.&M.
1796' FNL 713' FEL

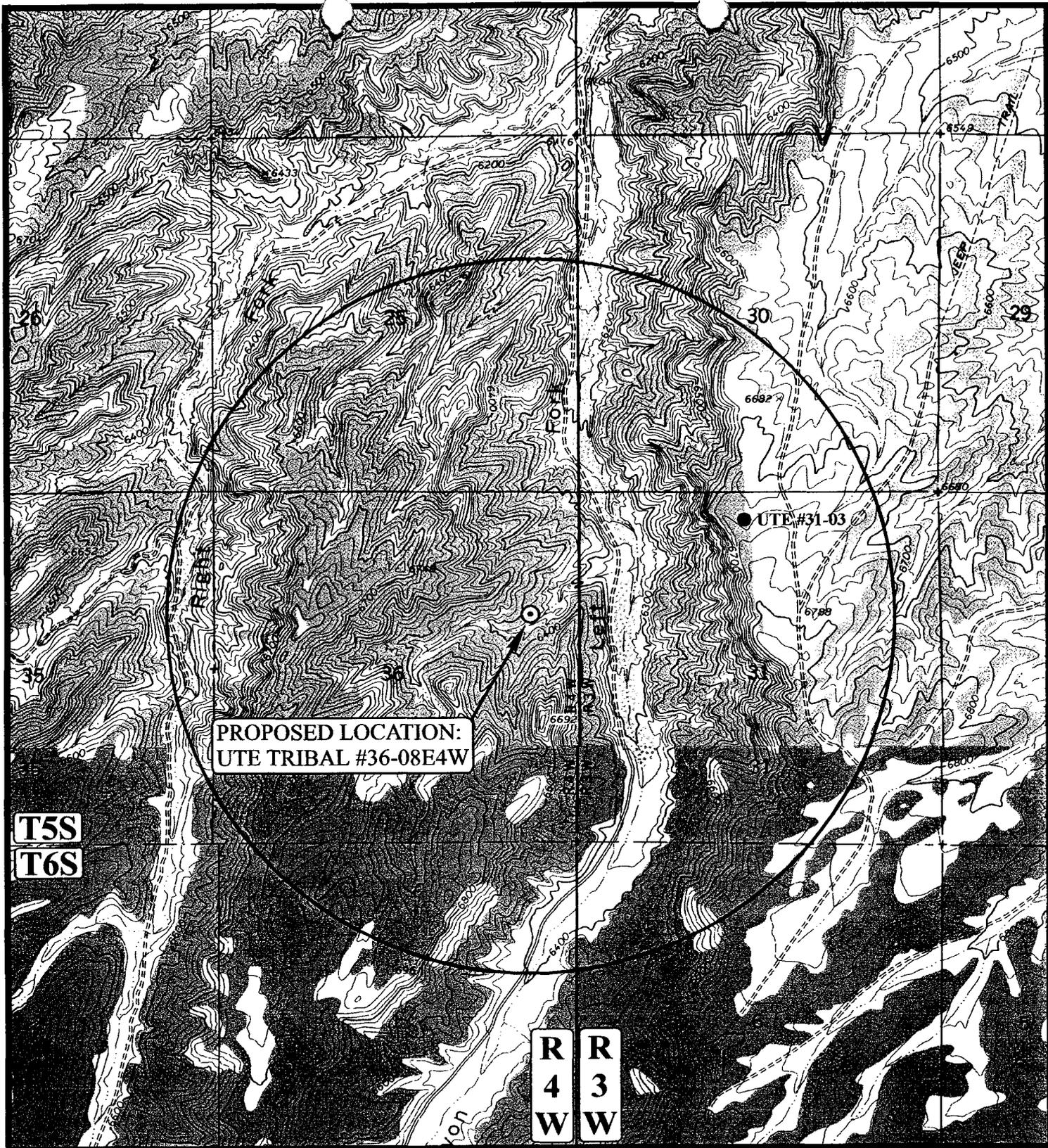


Utah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC 12 16 97
MAP MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





**PROPOSED LOCATION:
UTE TRIBAL #36-08E4W**

**T5S
T6S**

**R R
4 3
W W**

LEGEND:

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



PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #36-08E4W
SECTION 36, T5S, R4W, U.S.B.&M.
1796' FNL 713' FEL**



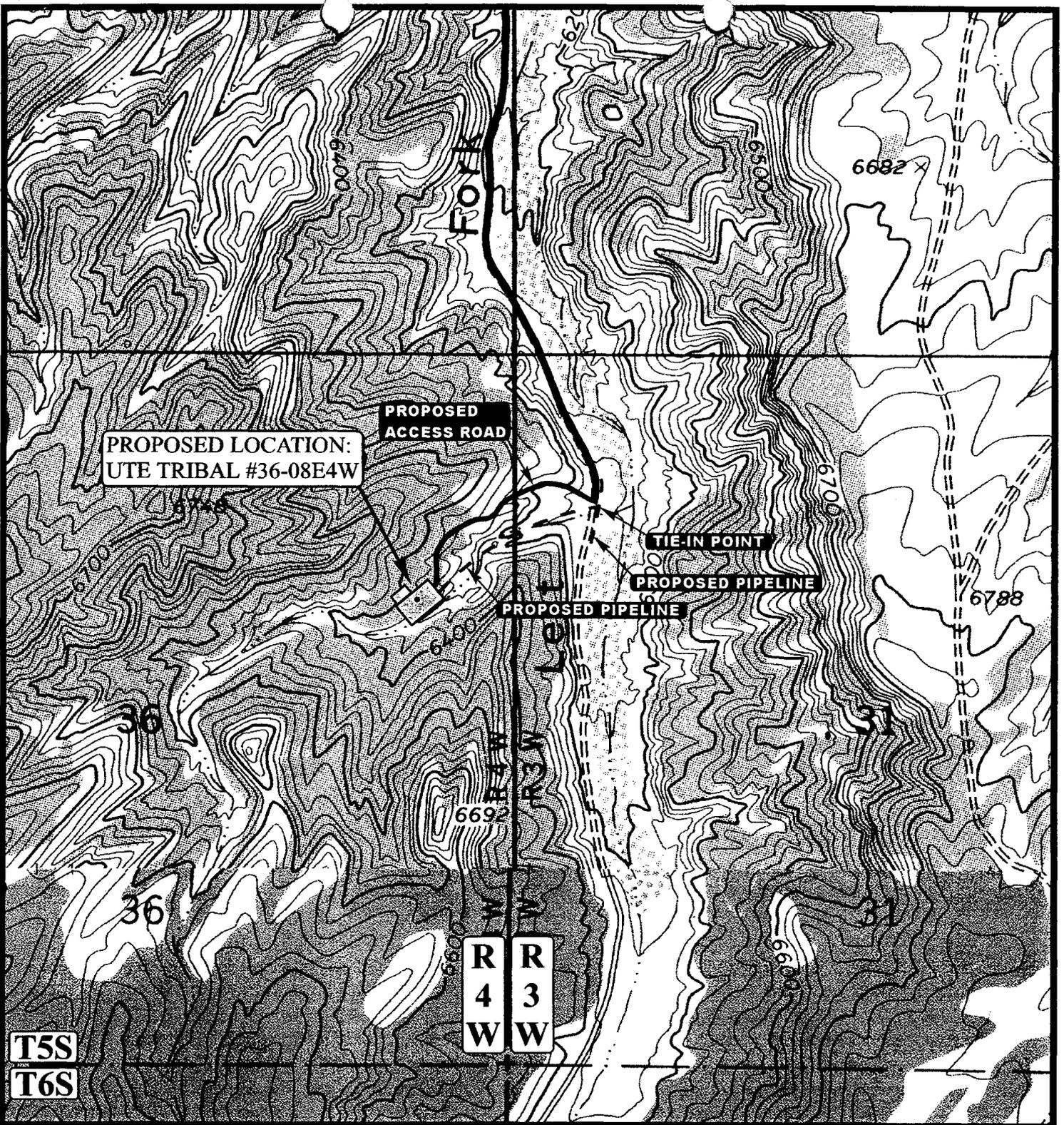
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

12 16 97
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: J.L.G. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE DISTANCE = 1325' +/-

LEGEND:

- — — — — EXISTING PIPELINE
- - - - - PROPOSED PIPELINE
- — — — — PROPOSED ACCESS



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #36-08E4W
SECTION 36, T5S, R4W, U.S.B.&M.
1796' FNL 713' FEL

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

TOPOGRAPHIC **12** **16** **97**
MAP MONTH DAY YEAR
 SCALE: 1" = 1000' DRAWN BY: J.L.G. REVISED: 00-00-00

D
TOPO

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 05/14/98

API NO. ASSIGNED: 43-013-31815

WELL NAME: UTE TRIBAL 36-08-E4W
 OPERATOR: PETROGLYPH OPERATING CO (N3800)
 CONTACT: Ed Troller (435) 789-4120

PROPOSED LOCATION:
 SENE 36 - T05S - R04W
 SURFACE: 1796-FNL-0713-FEL
 BOTTOM: 1796-FNL-0713-FEL
 DUCHESNE COUNTY
 UNDESIGNATED FIELD (002)

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

LEASE TYPE: IND
 LEASE NUMBER: 14-20-H62-4745
 SURFACE OWNER: Ute Indian Tribe

PROPOSED FORMATION: DGCRK

RECEIVED AND/OR REVIEWED:

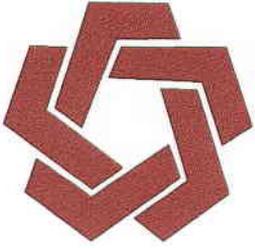
- Plat
- Bond: Federal State Fee
 (No. #4556)
- N Potash (Y/N)
- N Oil Shale (Y/N) *190-5(B)
- Water Permit
 (No. 43-10152)
- N RDCC Review (Y/N)
 (Date: _____)
- N/A St/Fee Surf Agreement (Y/N)

LOCATION AND SITING:

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

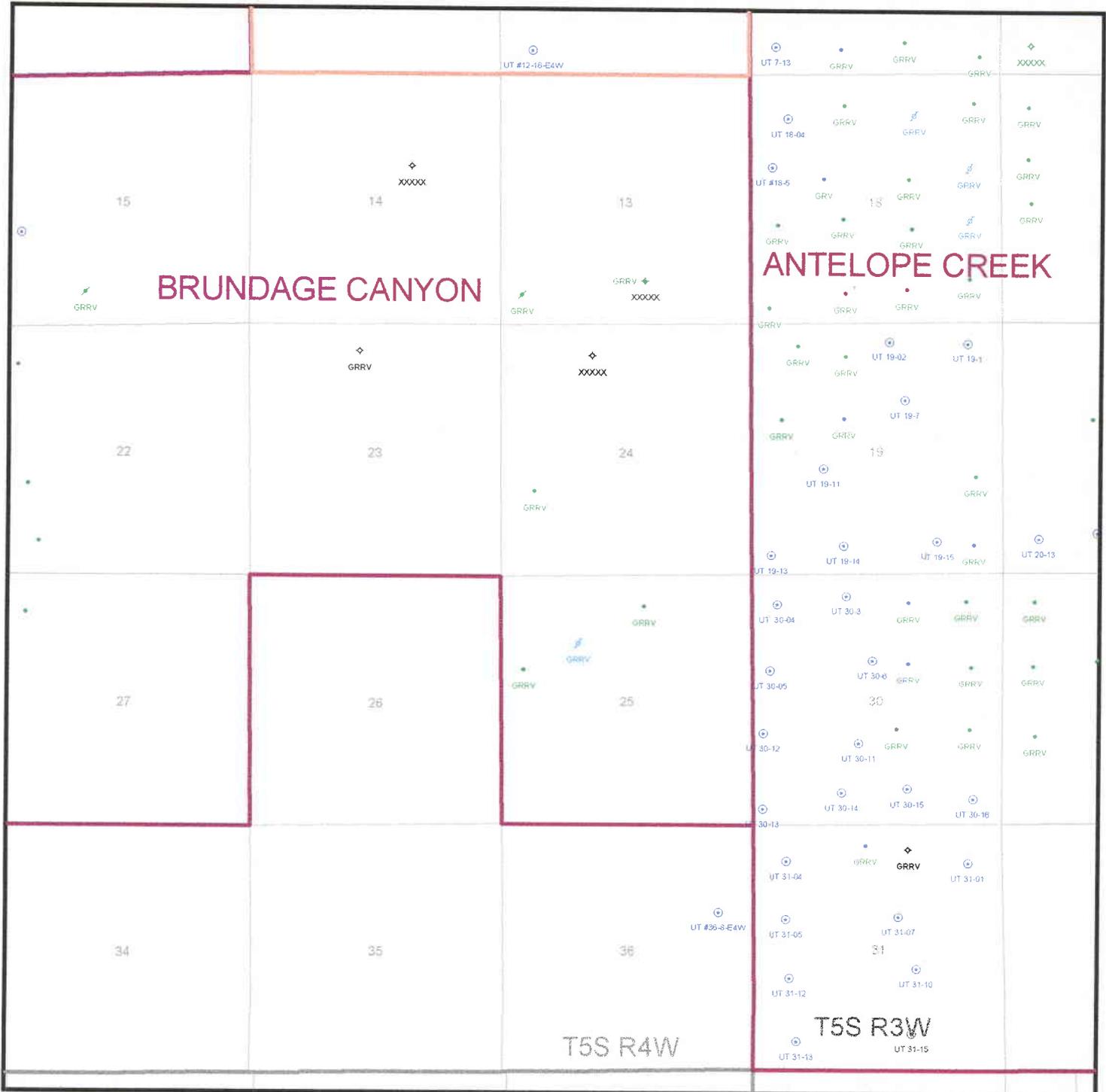
COMMENTS: _____

STIPULATIONS: ① FEDERAL APPROVAL



DIVISION OF OIL, GAS & MINING

OPERATOR: PETROGLYPH OPERATING (N3800)
FIELD: ANTELOPE CREEK (060) & UNDESIGNATED (002)
SEC. 18, TWP 5S, RNG 3W & SEC. 36, TWP 5S, RNG 4W
COUNTY: DUCHESNE UAC: R649-3-2



DATE PREPARED:
26-MAY-1998



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

Michael O. Leavitt
Governor
Ted Stewart
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)

June 1, 1998

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

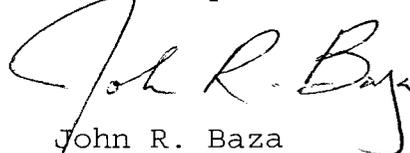
Re: Ute Tribal 36-08-E4W Well, 1796' FNL, 713' FEL, SE NE,
Sec. 36, T. 5 S., R. 4 W., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31815.

Sincerely,


John R. Baza
Associate Director

lwp

Enclosures

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

Operator: Petroglyph Operating Company
Well Name & Number: Ute Tribal 36-08-E4W
API Number: 43-013-31815
Lease: 14-20-H62-4745
Location: SE NE Sec. 36 T. 5 S. R. 4 W.

Conditions of Approval

1. General

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

2. Notification Requirements

Notify the Division within 24 hours prior to spudding the well or commencing drilling operations. Contact Jim Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact Dan Jarvis at (801) 538-5338 or Robert Krueger at (801) 538-5274.

3. Reporting Requirements

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

4. State approval of this well does not supercede 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 WELL GAS WELL OTHER SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
 PETROGLYPH OPERATING COMPANY, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface 1796' FNL & 713' FEL SE/NE
 At proposed prod. zone *43013-3/815*

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-H62-4745

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

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO.
 UTE TRIBAL

9. API WELL NO.
 #36-08-E4W

10. FIELD AND POOL, OR WILDCAT
 ANTELOPE CREEK

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA
 SEC. 36, T5S, R4W

12. COUNTY OR PARISH
 DUCHESNE

13. STATE
 UTAH

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 713'

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL
 80

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

19. PROPOSED DEPTH
 5877'

20. ROTARY OR CABLE TOOLS
 ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6392.0' GRADED GROUND

22. APPROX. DATE WORK WILL START*
 MAY 1998

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl + 1/4 #/sx celloflake. 50/50 POZMIX + 2% GEL + 10' SALT TO 400' ABOVE ALL ZONE OF INTEREST (+ 10% EXCESS) LIGHT CEMENT (11 PPG) + LCM TO 200' ABOVE OIL SHAL OR FRESH WATER INTERVALS (5% EXCESS).
7 7/8	5 1/2	15.5#	5877'	

RECEIVED
 JUN 08 1998
 DIV. OF OIL, GAS & MINING

CONFIDENTIAL

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

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

RECEIVED
 MAY 14 1998

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

24. SIGNED *[Signature]* TITLE AGENT FOR PETROGLYPH DATE 5-8-1998

(This space for Federal or State office use)
NOTICE OF APPROVAL

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 Assistant Field Manager Mineral Resources DATE 6/2/98

*See Instructions On Reverse Side

memorandum

May 21, 1998

DATE:

Acting
Superintendent, Uintah & Ouray Agency

REPLY TO
ATTN OF:

SUBJECT: APD and Corridor ROW Concurrence for Petroglyph Operating Co.
Bureau of Land Management, Vernal District Office
Attn: Minerals and Mining Division

RECEIVED
MAY 26 1998

TO:

We recommend approval of the Application for Permit to Drill (APD) Right of Ways on the wells listed below, with required stipulations:

TOWNSHIP 5 SOUTH, RANGE 3 WEST, SLB&M

Ute Tribal 12-16E4W, SESE, Sec. 12
Ute Tribal 32-02, NWNE, Sec. 32
Ute Tribal 36-08E4W, SENE, Sec. 36

Based on available information received on Jan.29, 1998, the proposed location was cleared in the following areas of environmental impact.

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

Enclosed is a copy of the BIA's Environmental Analysis (EA). Please refer to Item 6.0 for Mitigation Stipulations.

REMARKS: The Ute Tribe Energy & Minerals (E&M) Department also requires that all companies adhere to the following criteria, during and after, all phases of construction activities.

1. The Ute Tribe Energy and Minerals Department is to be notified 48 hours prior to construction, as a Tribal Technician is to monitor construction.
2. A 75 foot corridor rights-of-way shall be granted with the following:
 - A. Buried pipelines shall be buried a minimum of 3 feet below soil surface.
 - B. Surface pipelines shall be limited to 13 feet wide.
 - C. Buried pipelines shall be limited to 15 feet wide, and construction will be Monitored by Tribal Technician.
3. Pipelines adjacent to access roads shall be buried within 1.5 feet from the outside edge of the barrow ditch. Additional pipelines shall be parallel to each other, as safety requirements will allow.
4. Access roads shall be limited to 30 feet.
5. Petroglyph Operating Company will assure the Ute Tribe that any/all contractors and sub-contractors have acquired a 1998 Tribal Business License and have an access permits prior to construction.

6. All Petroglyph Operating Company employees and/or authorized personnel (sub-contractors) in the field will have applicable APD's and/or ROW permits/authorizations on their person(s) during all phases of construction.
7. All vehicular traffic, personnel movement, construction /restoration operations should be confined to to the areas examine and approved, and to the existing roadways and/or evaluated access routes.
8. All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
9. The personnel from the Ute Tribe E&M should be consulted if any cultural remains from subsurface deposits be exposed or identified during construction.
10. All mitigative stipulations contained in the Bureau of Indian Affairs site specific Environmental Analysis (EA), will be strictly adhered.
11. Upon completion of the APD and corridor ROW's, the Ute Tribe's E&M Dept. is to be notified by Petroglyph, so that a Tribal Technician can verify the Affidavit of Completions.

Allen D. Lloyd

SITE SPECIFIC
ENVIRONMENTAL ASSESSMENT

RECEIVED

NOV 26 1998

1.0 PROPOSED ACTION

Petroglyph Operating Co., Inc. is proposing to drill oil well #~~38~~⁶-08E4W and construct pipelines, and an access road. This is a site specific Environmental Assessment Tierd off from the Antelope Creek Oil & Gas Field Environmental Assessment prepared by the Bureau of Indian Affairs dated December, 1994.

2.0 ALTERNATIVE ACTIONS

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

3.0 PERMITTEE/LOCATION

- A. Permittee- Petroglyph Operating Co., Inc.
- B. Date 1-29-98
- C. Well number- 36-08E4W
- D. Right-of-way- Access road R\W approx. 1560.19 feet. Corridor R/W 1325.18 feet.
- E. Site location- SENE, Section 36, T5S, R4W, USB&M.

4.0 SITE SPECIFIC SURVEY

A. SITE DESCRIPTION

- 1. Elevation (feet) 6393
- 2. Annual precipitation (inches)- 12-14
- 3. Topography- steep hills
- 4. Soil- The soil texture is (0 to 6") shallow gravely shale loam over bedrock.

B. VEGETATION

- 1. Habitat type is upland pinion/juniper.
- 2. Percent Ground Cover- estimated to be 30%.
- 3. Vegetation consists of approximately 5% grasses, 60% shrubs, 5% forbs, trees 30%. The main variety of grasses are squirrel tail, Indian ricegrass, poa, needle & thread, bluebunch wheat, galleta, and blue grama. Forbs are astragalus, mustard, lambs quarter, globemallow, buck wheat, flox, daisy, Indian paint brush, & annuals. Shrubs consist of black sagebrush,

fringe sage, bud sage, pygmy sage, prickly pear, winterfat, shadscale, snakeweed, manless greasewood, mahogany, greasewood, rabbit brush, pygmy sage. Trees are pinion pine, and Utah juniper.

4. Observed Threatened & Endangered species: None.

5. Potential For Threatened & Endangered species: Slight

7. Observed Noxious Weeds: None

8. AFFECTED ENVIRONMENTAL

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

4.1 WILDLIFE

A. POTENTIAL SITE UTILIZATION

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

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

3. Raptor- Various species of raptors use this area for habitat. Raptors which are observed using the area are Golden eagles, Redtail hawk, & Kestrel. Ferruginous hawk hunt in the area and there is an active nest located approximately 2.0 miles north east of this site in Section 20, T5S, R3W, USB&M.

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

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

4.2 PRESENT SITE USE

A. USAGE

	<u>acres</u>
Rangeland	6.18
Irrigable land	0
Woodland	0
Non-Irrigable land	6,18
Commercial timber	0
Floodplain	0
Wetland	0
Riparian	0
Other:	0

4.3 CULTURAL RESOURCES

A. CULTURAL SURVEY

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

5.0 ENVIRONMENTAL IMPACTS

A. SURFACE ALTERATIONS

	<u>acres</u>
1. Access road	1.08
2. Well site	2.82
3. Pipeline right-of-way	0.00
4. Corridor right-of-way	2.28
5. Total area disturbed	6.17

B. VEGETATION/LANDSCAPE

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

C. SOIL/RANGE/WATERSHED

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

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

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

This wellsite is located on steep slopes which will be seen from the main road in Antelope Creek. Scaring of the hillside will be visible and it will be difficult to rehabilitate after the wellsite and access road are abandoned.

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

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

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

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

6.0 MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

1. Before the site is abandoned the company will be required to restore the well site and right-of-ways to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.

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

B. SOILS/RANGE/WATERSHEDS

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

2. SURFACE PIPELINES

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

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

3. BURIED PIPELINES

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

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

4. CORRIDOR RIGHT-OF-WAY

Normally a 75 foot wide corridor pipeline right-of-way will be used for, surface pipelines, & buried pipelines. However, on this project because of the steep slopes and expected excess surface damage, the right-of-way for pipelines shall be aligned to follow the access road. and the pipelines and access road shall be limited to a combined width of 35 feet. (See item 6.A.2 for more detail on this requirement.)

5. ACCESS ROADS

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

6. DRILLING SYSTEM

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

7. PRODUCTION SYSTEM

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

8. FIREWOOD

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

C. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

The operator, their employees, sub-contractor, and representatives shall not carry firearms on their person or in their vehicles while working on Indian lands.

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

D. CULTURAL RESOURCES

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

E. UTE TRIBAL REGULATIONS

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

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

7.0 UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

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

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

1. Short Term: (Estimated 20 years) A total loss of production on the land and the associated environmental impacts will continue to influence the surrounding area for the productive life of the well.

2. Long Term: Standard policies provide for rehabilitation of wellsite and rights-of-ways. After the land is rehabilitated, it is not expected to return to its original productive capability. Normally, there will be a permanent scar left on the landscape.

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

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

8.0 CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and razing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water

pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

9.0 NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, 1-29-98, the proposed location in the following areas of environmental impacts has been cleared:

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

10.0 REMARKS

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

11.0 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

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

3-10-98

Date



Representative - BIA Land Operations, Uintah and Ouray Agency

12.0 DECLARATION

A. APPROVAL

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

3/11/98
Date

Allen D. Lloyd
Acting Superintendent,
Uintah and Ouray Agency

14.0 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

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

B:\EAPet36.08E4W

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company

Well Name & Number: Ute Tribal 36-08-E4W

API Number: 43-013-31815

Lease Number: 14-20-H62-4745

Location: SENE Sec. 36 T. 5 S R. 4 W

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the top of the usable water zone identified at ± 392 ft. or by setting the surface casing at ± 442 ft.. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

A cement bond log (CBL) will be run from the production casing shoe to **TOP OF CEMENT** if the surface casing is set at ± 442 ft. or it will be run to **SURFACE** if the surface casing is set at ± 250 ft. and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. **ONE** 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.

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

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

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

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

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

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

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

A schematic facilities diagram as required by 43 CFR 3162.7-5 (b.9. d.), and shall be submitted to the appropriate District Office within sixty (60) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-5 (b. 4).

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

7. Other Information

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

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

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

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

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

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

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

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

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

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

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

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

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

SURFACE CONDITIONS OF APPROVAL

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

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

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

Access roads which shall have constructed travel width limited to 22 feet within a 30 foot allocation of the ROW, except as granted for sharp curves or intersections. On this project because of steep slopes and expected excess surface damage, pipeline right-of-ways shall be aligned to follow the access roads and placed so that the travel width of the road and the pipeline distance from the road are limited to a combined width of 35 feet.

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

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

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

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

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

Petroglyph will assure the Ute Tribe that any/all contractors and subcontractors have acquired a 1998 Tribal Business License and have access permits prior to commencing surveys or construction.

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

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

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

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

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

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

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

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

Petroglyph, their employees, sub-contractors, and representatives shall not carry firearms on their person or in their vehicles while working on Indian lands.

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

ENTITY ACTION FORM - FORM 6

OPERATOR Petroglyph Operating Company, Inc.
ADDRESS P. O. Box 907
Roosevelt, UT 84066

OPERATOR ACCT. NO. N3800

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12465	43-013-31815	Ute Tribal 36-08E4	SENE	36	5S	4W	Duchesne	6/2/98	
WELL 1 COMMENTS: <i>entity added 9/17/98. KDR</i> CONFIDENTIAL This facility will be a tank battery											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

(3/89)

Deanna Bell
Signature Deanna Bell
Operations Coordinator 6/18/98
Title Date
Phone No. (435) 722-2531

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

ENTITY ACTION FORM - FORM 6

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

OPERATOR ACCT. NO. N3800

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A			43-013-31815	Ute Tribal 36-08E4	SENE	36	5S	4W	Duchesne	6/2/98	
WELL 1 COMMENTS:											
CONFIDENTIAL											
This facility will be a tank battery											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

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

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

Deanna Bell
Signature Deanna Bell
Operations Coordinator 6/18/98
Title Date
Phone No. (435) 722-2531

PETROGLYPH



P.O. Box 607
Roosevelt, UT 84066
Phone: (435) 722-2531
Fax: (435) 722-9145

This facsimile contains privileged and confidential information intended only for the use of the individual or entity named below. If the reader of the facsimile is not the intended recipient or the employee or agent responsible for delivering it to the intended recipient, you are hereby on notice that you are in possession of confidential and privileged information. Any dissemination, distribution or copying of this facsimile is strictly prohibited. If you have received this facsimile in error, please immediately notify the sender by telephone (collect) and return the original to the sender at the above address via the U.S. Postal Service.

To: Kristen From: [Signature]

Company: _____ Company: Petroglyph

Fax: _____ Pages: 2 (including cover)

Phone: _____ Date: 8/20/98

Re: _____ CC: _____

Urgent For Review Please Comment Please Complete _____

● Comments: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-4745

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

7. UNIT AGREEMENT NAME

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

8. FARM OR LEASE NAME

2. NAME OF OPERATOR
PETROGLYPH OPERATING COMPANY, INC.

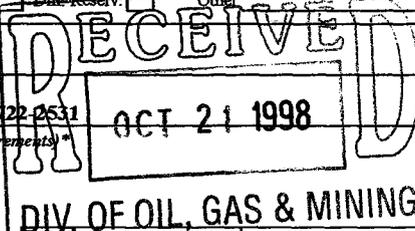
9. WELL NO.
Ute Tribal 36-08E4

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

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1796' FNL 713' FEL

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
SENE SEC. 36-T5S-R4W



CONFIDENTIAL

At top prod. interval reported below
At total depth 5877' RTD

12. County or Parish
Duchesne

13. State
Utah

15. DATE SPUDDED 6/2/98

16. DATE T.D. REACHED 6/8/98

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
6382' KB

19. ELEV. CASINGHEAD
6392' GGL

20. TOTAL DEPTH, MD & TVD 5877' TD

21. PLUG BACK T.D., MD & TVD 5799' PBTD

22. IF MULTIPLE COMPL., HOW MANY*
3

23. INTERVALS DRILLED BY
ROTARY TOOLS

24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)*
Green River H2, F3, E2, C9.2, C5.2, C5

25. WAS DIRECTIONAL SURVEY MADE
No

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

27. WAS WELL CORED
No

28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24	358	12-1/4"	160 sxs Class H 2% CaCl ₂ , .25#/sk cellophane flake	
5-1/2"	15.5	5835	7-7/8"	100 sxs Highfill & 370 sxs Thixotropic	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5672'	

31. PERFORATION RECORD (Interval, size and number)
CONFIDENTIAL
E2 5098-5102' (16 holes)
E2 5086-90' (16 holes)
C9.2 4464-70' (24 holes)
C5.2 4244-48' (16 holes)
C5.2 4194-98' (16 holes)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5086-90' & 5098-5102'	9518 gals Delta frac 25, 15500# 20/40 prop & 23400# 16/30 prop
4464-70'	8980 gals Delta frac 25, 12500# 20/40 prop & 15000# 16/30 prop
4194-98' & 4244-48'	11381 gals Delta frac 25, 19300# 20/40 prop & 31900# 16/3 prop

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)				WELL STATUS (Producing or shut-in)	
returned to prd 9/11/98		2 1/2" x 1-3/4" x 16' 40 ring PA pump				producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL.	GAS - MCF.	WATER - BBL.	GAS-OIL RATIO
9/16/98	24			187	0	50	
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)	
	500	24 HR. RATE					

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

TEST WITNESSED BY
Dave Schreiner

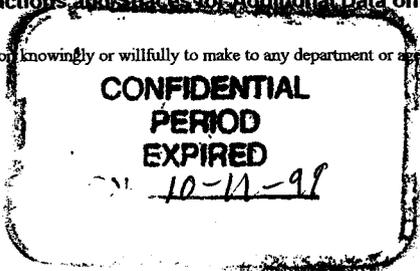
35. LIST OF ATTACHMENTS
None

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

Signed Diana Bell Title Operations Coordinator Date 10/16/98

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

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



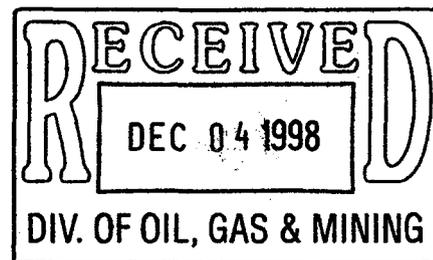


Petroglyph Operating Company, Inc.
A wholly owned subsidiary of
Petroglyph Energy, Inc.

P.O. Box 1839
Hutchinson, KS 67504-1839

316 665-8500
316 665-8577 fax

November 30, 1998



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

Carol:

Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 36-08E4	CNLD & AIT - 43-013-31815
Ute Tribal 01-16E4	HRI & Dual Spaced Neutron Density - 43-013-31805

Please hold these in confidence as permitted in division guidelines. If you need further information, please do not hesitate to call me at 316-665-8500.

Sincerely,

Brooke Kirmer
Geological Technician
Petroglyph Operating Company, Inc.
1302 N. Grand
Hutchinson, KS 67501
Phone: (316) 665-8500
Fax: (316) 665-8577
E-mail: brooke@petroglyph.net

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*									
1. a. TYPE OF WELL: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other _____					5. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-4745				
b. TYPE OF COMPLETION: New Well <input type="checkbox"/> Workover <input checked="" type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Reserv. <input type="checkbox"/> Other _____					6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Indian Tribe				
2. NAME OF OPERATOR PETROGLYPH OPERATING COMPANY, INC.					7. UNIT AGREEMENT NAME				
3. ADDRESS OF OPERATOR P.O. BOX 607, ROOSEVELT, UT 84066 (435) 722-2531					8. FARM OR LEASE NAME				
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1796' FNL 713' FEL At top prod. interval reported below At total depth 5877' RTD					9. WELL NO. Ute Tribal 36-08E4				
14. PERMIT NO. 43-013-31815					DATE ISSUED		12. County or Parish Duchesne		13. State Utah
15. DATE SPURRED 6/2/98		16. DATE T.D. REACHED 6/8/98		17. DATE COMPLETED (Ready to prod.) returned to prod 9/11/98		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 6382' KB		19. ELEV. CASINGHEAD 6392' GGL	
20. TOTAL DEPTH, MD & TVD 5877' TD		21. PLUG BACK T.D., MD & TVD 5799' PBTD		22. IF MULTIPLE COMPL., HOW MANY* 3		23. INTERVALS DRILLED BY		ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* Green River H2, F3, E2, C9.2, C5.2, C5					25. WAS DIRECTIONAL SURVEY MADE No				
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray to surface, Density-Compensated Neutron Porosity, AIT (normal suite)					27. WAS WELL CORED No				
28. CASING RECORD (Report all strings set in well)									
CASING SIZE		WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD			AMOUNT PULLED	
8-5/8"		24	358	12-1/4"	160 sxs Class H 2% CaCl ₂ , .25#/sk cellophane flake				
5-1/2"		15.5	5835	7-7/8"	100 sxs Highfill & 370 sxs Thixotropic				
29. LINER RECORD									
SIZE		TOP	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)		30. TUBING RECORD		PACKER SET (MD)
							2-7/8"		5672'
31. PERFORATION RECORD (Interval, size and number) CONFIDENTIAL E2 5098-5102' (16 holes) E2 5086-90' (16 holes) C9.2 4464-70' (24 holes) C5.2 4244-48' (16 holes) C5 4194-98' (16 holes)					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED 5086-90' & 5098-5102' 9518 gals Delta frac 25, 15500# 20/40 prop & 23400# 16/30 prop 4464-70' 8980 gals Delta frac 25, 12500# 20/40 prop & 15000# 16/30 prop 4194-98' & 4244-48' 11381 gals Delta frac 25, 19300# 20/40 prop & 31900# 16/3 prop				
33. PRODUCTION									
DATE FIRST PRODUCTION returned to prod 9/11/98		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2" x 1-3/4" x 16' 40 ring PA pump					WELL STATUS (Producing or shut-in) producing		
DATE OF TEST 9/16/98	HOURS TESTED 24	CHOKE SIZE	PRODN FOR TEST PERIOD	OIL - BBL. 187	GAS - MCF. 0	WATER - BBL. 50		GAS-OIL RATIO	
FLOW. TUBING PRESS.	CASING PRESSURE 500	CALCULATED 24 HR. RATE	OIL - BBL.	GAS - MCF.	WATER - BBL.	OIL GRAVITY - API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold, used for fuel					TEST WITNESSED BY Dave Schreiner				
35. LIST OF ATTACHMENTS None									
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records									
Signed <u>Dennis Bell</u>			Title <u>Operations Coordinator</u>				Date <u>10/16/98</u>		

*(See instructions and spaces for Additional Data on Reverse Side)

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

RECEIVED

DEC 11 1998

DIV. OF OIL, GAS & MINING

RECEIVED OCT 22 1998

WTC
12-23-98
RJK

WORKOVER REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 36-08E4W
County, St.: Duchesne UT

Elevation: 0
0

Activity Date Daily Cost Activity Description

9/3/98 \$5,013.00

PERFORATIONS:

5098-5102	Green River E (02)	4 SPF	16 shots
5086-5090	Green River E (02)	4 SPF	16 shots

7 AM haul BOP in. Vent gas off csg. Load well bore w/ 70 b bbls hoot treated wtr to achieve circ & circ well to displace oil & gas. ND surface flow & control equipment. ND tbg flange & remove. Release TAC. Finish RU tbg equipment. POOH w/ tbg & LD BHA. Remove tbg flange. Install & tighten frac & BOP. MIRU Schlumberger WLS & w/ 4" gun perf 2 E2 zones @ 5098-5102' & 5086-90' w/ 16 holes each. RD move out WLS. MU Halliburton 5-1/2" RTTS pkr & 5-1/2" BVBP to test BVBP but fm broke @ 3000 psi to 2500 psi. Run RTTS to 5200' & press test to 3500 psi w/ 0 loss. Pull EOT to 5115' & spot 250 gal HCl to EOT leaving all acid in tbg. Close annular valve & pump acid plus 15 bbls into perfs @ 4 BPM @ 2500-2000 psi. ISIP 1500 psi. Lower EOT to 5139' & reverse out residue acid. Pull EOT to 5000' & set pkr. Test dn annular to 4000 psi to test frac & BOP. Rise RTTS & POOH to 1900'. 7:30 PM SWIFN.

9/2/98 \$2,398.00

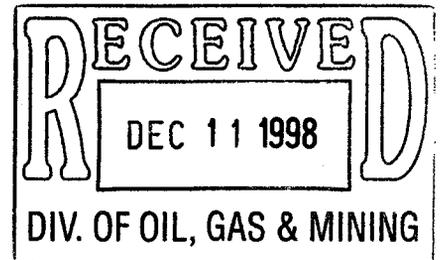
3 PM road rig & equipment to 36-08E4. MIRU. RD surface pumping equip. Pull pump off seat & flush w/ 40 bbls hot treated wtr. POOH w/ rods & pump. LD pump. X-over to tbg equipment. NU pump lines to circ well in AM. 8:30 PM SWIFN.

FLUID RECOVERY

Well BLF: 40
Well BLFTR: 40

Cumulative Cost: \$84,524.00

Days Since Start: 10



WORKOVER REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.
Well: Ute Tribal 36-08E4W
County, St.: Duchesne UT

Elevation: 0
0

Activity Date Daily Cost Activity Description

TREATING PRESSURE

Maximum: 2797 psi @ 27.8 BPM

Average: 2480 psi @ 26 BPM

SHUT-IN PRESSURE

ISIP: 2413

5 min: 2320

Fract gradient: .86

FLUID RECOVERY

Zone BLF: 277

Zone BLFTR: 277

Well BLF: 889

Well BLFTR: 889

STIMULATION TREATMENT C5.2 4244-48 & C5 4194-98

Zone 5

Fluid task: pre-pad, pad, slurry, flush

Volume (gal): 220/1400, 2200, 7561, 4107

Fluid type: /delta frac, delta frac, delta frac, sli

Proppant: 20/40 & 16/30

Total lbs: 19,300 & 31,900

Ramp range: 1-6 & 6-8 ppg

TREATING PRESSURE

Maximum: 2426 psi @ 32 BPM

Average: 2100 psi @ 30.3 BPM

SHUT-IN PRESSURE

ISIP: 2201

5 min: 2093

Fract Gradient: .95

FLUID RECOVERY

Zone BLF: 330

Zone BLFTR: 97

Zone BLFTR: 233

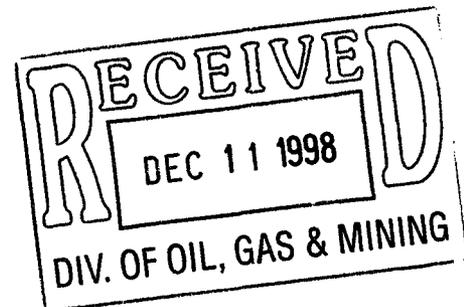
Zone % rec: 29%

Well BLF: 1219

Well BLFTR: 97

Well BLFTR: 1122

Well % rec: 7%



WORKOVER REPORT

Petroglyph Operating Co., Inc.

10/21/98

Operator: Petroglyph Operating Company, Inc. Elevation: 0
Well: Ute Tribal 36-08E4W 0
County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

9/8/98 \$69,434.00

PERFORATIONS:

5098-5102	Green River E (02)	4 SPF	16 shots
5086-5090	Green River E (02)	4 SPF	16 shots
4464-4470	Green River C (09.2)	4 SPF	24 shots
4244-4248	Green River C (05.2)	4 SPF	16 shots
4194-4198	Green River C (05)	4 SPF	16 shots

7 AM RU to circ conventional & circ to displace oil & gas. POOH w/ 1950' of tbg & LD RTTS pkr. MIRU HES & Schlumberger WLS. Treat E2 zones @ 5098-5102 & 5086-90 w/ a PhiH 3C delta frac. Following 5 min shut-in. Lube in a 5-1/2" HE RBP & set @ 4700'. Test to 3000 psi w/ 0 loss. Per C9.2 zones @ 4464-70 w/ 4" gun @ 45 spf w/ 24 holes. Bkfm unaided by HCl @ 2700 psi to 1200 psi. Treat zone w/ PhiH 2C delta frac. Following SI lube in a HE RBP & set @ 4420' & C5 @ 4194-98 w/ 4" guns @ 4 spf w/ 32 holes. MU Halliburton 5-1/2" RTTS packer & RIH w/ EOT @ 4267'. Spot 7 bbls HCl across perms w/ 24 bbls treated wtr. Pull RTTS to 4225' & set. Break C5.2 perms dn tbg pump into perms @ 1300 psi w/ 3-1/2 BPM ISIP 900#. Break C5 perms pumping dn annular. Inject into perms @ 1200 psi 3-1/2 BPM. ISIP 900#. POOH w/ tbg & packer & treat C5.2 & C5 together w/ a PhiH C4 frac following 5 min SI flow back to 0 psi. Recover 97 bbls wtr. 8 PM SWIFN.

STIMULATION E2 5098-5102 & 5086-90 Zone 3
TREATMENT

Fluid task: pre-pad, pad, slurry, flush
Fluid type: paracheck/delta fluid, delta frac, delta frac, sli
Proppant: 20/40 & 16/30
Total lbs: 15,500 & 23,400
Ramp range: 1-6 & 6-8 ppg

TREATING PRESSURE

Maximum: 2375 psi @ 26.7 BPM
Average: 1870 psi @ 25 BPM

SHUT-IN PRESSURE

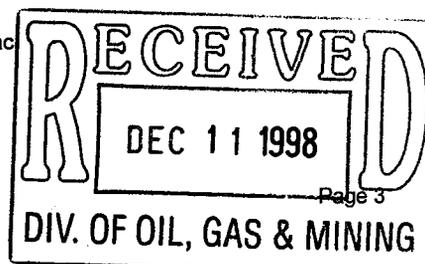
ISIP: 2203
5 min: 2068
Fract Gradient: .86

FLUID RECOVERY

Zone BLF: 552
Zone BLFTR: 552
Well BLF: 612
Well BLFTR: 612

STIMULATION C9.2 4464-70 Zone 4
TREATMENT

Fluid task: pre-pad, pad, slurry, flush
Volume (gal): 110/1645, 1800, 5425, 4420
Fluid type: paracheck/delta fluid, delta frac, delta frac
Proppant: 20/40 & 16/30
Total lbs: 12,500 & 15,000
Ramp range: 1-6 & 6-8 ppg



WORKOVER REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc. Elevation: 0
Well: Ute Tribal 36-08E4W 0
County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

9/10/98 \$2,458.00

7 AM w/ PSN @ 4170' continue swabbing newly opened & treated green river zones to recover frac fluids. Fluid level first run @ 100'. Fluid level last run last night @ 1800'. Make 14 runs in 3 hrs 25 min. Trace of oil in first run, increase to 20% by run#8. Recover 38 bbls oil & 119-1/2 bbls wtr last run fluid level 1700' & oil cut 53% w/ 37% of load recovered. RD swab equipment. RIH w/ tbg & find TOS @ 5158' (had no sand entry while swabbing). Circ reverse & clean out 67' sand to BVBP @ 5225'. Circ clean & retrieve BVBP & POOH. LD plug. Remove frac flange & install csg flange. Reinstall BOP. MU BHA & RIH on production tbg. Strip off BOP. Strip on tbg flange. Set TAC & land tbg in 12,000# tension. MU tbg flange 5:30 PM SWIFN.

TUBING DETAIL

tension	.85	.85
KB	10.00	10.85
132 jts tbg	4103.89	4114.74
5-1/2" B2 TAC	2.70	4117.44
47 jts tbg	1450.33	5567.77
PSN +45	1.10	5568.87
1 jt	31.15	5600.02
Mech PSN w/ perf'd tbg sub	6.95	5606.97
2 jts tbg w/ plug & collar	62.25	5669.22
EOT	5669.22	5669.22

FLUID RECOVERY

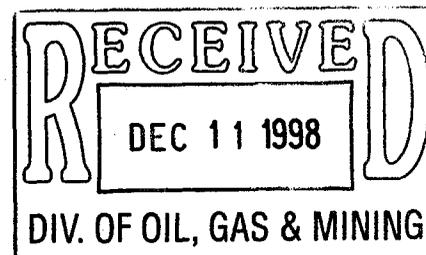
Well BLF: 1219
Well BLFR: 338
Well BLFTR: 881
Well % rec: 27%

9/9/98 \$2,931.00

7 AM open well, MU ret tool for 5-1/2" HE RBP. RIH & clean off 374' of sand off RBP #1 @ 4420'. Retrieve RBP & POOH. MU ret tool for 5-1/2" BVBP & PSN & RIH & find sand @ 5098'. Clean out 60' sand & circ clean. POOH w/ EOT to 4175' w/ PSN @ 4170'. RU swab equipment & make 8 runs recovering 102 bbls wtr, no oil trace. First run fluid level @ surface, last run @ 1800'. 6:30 PM SWIFN.

FLUID RECOVERY

Well BLF: 1219
Well BLFR: 219
Well BLFTR: 1000
Well % rec: 17%



WORKOVER REPORT

10/21/98

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.	Elevation: 0
Lease: Ute Tribal 36-08E4W	0
API #: 43-013-31815	Property: 12490
Location: 36 - 5 S - 4 W	AFE/EPE Number: 41370
County, St.: Duchesne UT	Event Type: re-perf zone

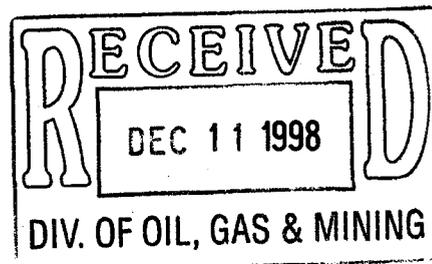
Activity Date	Daily Cost	Activity Description
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9/11/98	\$2,290.00	
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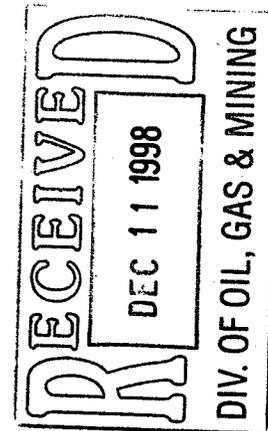
7 AM finish NU flow & control equipment. X/over to rod equipment. MU exchange pump & RIH w/ rods. X/out 15 slick 3/4" rods w/ 15 guided ones spaced every 4th rod @ bttm of string.) MU pony & polish rod & seat pump. RU horse head & hang rod string. Set tag. Fluid @ surface pump up to 800 psi w/ unit 0 loss. RD rig & equipment & load equipment. Clean location. Did not run on unit. Move out & road rig & equipment off location. 1 PM SDFN.

ROD DETAIL

2-1/2" x 22' polish rod w/ 1-3/4" x 12' liner
1 each 2', 4', 8' x 7/8" pony
76 slick 7/8" rods
131 slick 3/4" rods
15 guided 3/4" rods spaced every 4th @ bttm
Trico RHAC pump 2-1/2" x 1-3/4" x 16' 40
ring
PA w/ 3 cup top holddown #2108



LEASE	WELL	NAME	DATE	ACCT	DB	DESC	VENDOR
10*10451	10*1249	UTE TRIBAL 36-08E4	10/31/98	10.840.050	10,122.13	CRCT WORKOVER RIG 67.5 HRS	POOL COMPANY INC
				10.840.050 Total	10,122.13 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.120	65.7	90 BW TO FLAT TANK	JIM NEBEKER TRUCKING
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.120	1,633.94	TREAT O CLA	MUSTANG DRILLING FLUIDS
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.120	312.5	310 BW TO SWAB 55 BO PROD TNK	JIM NEBEKER TRUCKING
10*10451	10*1249	UTE TRIBAL 36-08E4	7/31/98	10.840.120	1,633.94	TREAT O CLA	MUSTANG DRILLING FLUIDS
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.120	175.2	240 BW TO SWAB TANK	JIM NEBEKER TRUCKING
				10.840.120 Total	3821.28 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	80	IDC CLASS FRAC HEAD RENTAL 9/2-3	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	160	IDC CLASS FRAC HEAD RENTAL 9/8-11	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	120	IDC CLASS FRAC TANK RENTAL 9/2-3	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	240	IDC CLASS FRAC TANK RENTAL 9/8-11	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	60	IDC CLASS SWAB TANK RENTAL 9/2-3	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	120	IDC CLASS SWAB TANK RENTAL 9/8-11	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	70	IDC CLASS TRANSFER PUMP USAGE 9/10-11	
					1305.03	BOP ACCUMULATOR RENTAL	PRIDECO
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	963.68	RTTTS CHAMP PKR MONTHLY RENTAL	HALLIBURTON SERVICES
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.180	29.7	SLIP RENTAL	WEATHERFORD ENTERRA U.S.
10*10451	10*1249	UTE TRIBAL 36-08E4	10/31/98	10.840.180	680.63	RTTTS CHAMP PKR & RBP CUP RENTAL	HALLIBURTON SERVICES
				10.840.180 Total	3829.04 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.190	924	HAUL PUMP & TANKS	N.J. TRUCKING
10*10451	10*1249	UTE TRIBAL 36-08E4	10/31/98	10.840.190	288	MOVED EQUIP FOR OIL TRANSPORTERS	N.J. TRUCKING
				10.840.190 Total	1212 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	10/31/98	10.840.240	254	CRCT WORKOVER SUPERVISION C&J P125	
				10.840.240 Total	254 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.310	392	HEAT AND PUMP WATER TO FLUSH TUBING	D & M OILFIELD SERVICE
				10.840.310 Total	392 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.330	1,665.48	PERF 5102	SCHLUMBERGER WELL SERVICE
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.330	4,150.78	PERF 4470' 4248'	SCHLUMBERGER WELL SERVICE
				10.840.330 Total	5,816.26 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.350	997.7	1260 BW TO FRAC	JIM NEBEKER TRUCKING
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.840.350	49,609.51	DELTA FRAC 16/30 70300# 20/40 7300#	HALLIBURTON SERVICES
10*10451	10*1249	UTE TRIBAL 36-08E4	10/31/98	10.840.350	47.18	WATER FOR FRAC JOBS	EAST DUCHESNE CULINARY
				10.840.350 Total	50654.39 ✓		
10*10451	10*1249	UTE TRIBAL 36-08E4	10/31/98	10.840.370	8.63	CARBON DIOXIDE FOR FLUID LEVELS	AIRGAS INTERMOUNTAIN, INC.
				10.840.370 Total	8.63		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.860.030	5.16	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP COND. C WALMART	
				10.860.030 Total	5.16		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.860.070	57.49	HEAD - WELL WELLHEAD EQUIPMENT COND. CODE A PRESS GUA RED MAN PIPE & SUPPLY CO.	
				10.860.070 Total	57.49		
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.860.170	311.25	SUCKER RODS MT 5857 - 375' 3/4" X 25' GUIDED RODS	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.860.170	0	SUCKER RODS MT 5868 - 375' 3/4" X 25' SLICK RODS	
10*10451	10*1249	UTE TRIBAL 36-08E4	9/30/98	10.860.170	99	ROD-GUIDED-SLICK SUCKER RODS COND. CODE A HAUL 15 JNTS SHINER WELDING & OILFIELD, INC	
				10.860.170 Total	410.25 ✓		
		Grand Total			76582.63		



JUL-07-2003 MON 09:40 AM OIL, GAS & MINING

FAX NO. 801 358 3840

P. 02/03

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

FORM 6

ENTITY ACTION FORM

Operator: Petroglyph
Address: P.O. Box 4607
city Roosevelt
state Utah zip 84066

Operator Account Number: N 3800

Phone Number: 435-722-2531

Well 1

API Number	Well Name		QQ	Sec	Twp	Rng	County
43013309390051	Ute Tribal 29-07		SWNE	29	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	09880	12139	9/1/1984		March-2003		
Comments:							7/9/03 ✓
Now on 29-06 TB.							

Well 2

API Number	Well Name		QQ	Sec	Twp	Rng	County
43013314750051	Ute Tribal 29-10		NWSE	29	5S	3W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	09880	12139	12/9/1984		March-2003		
Comments:							7/9/03 ✓
Now on 29-06 TB.							

Well 3

API Number	Well Name		QQ	Sec	Twp	Rng	County
43013318150051	Ute Tribal 36-08E4		EENE	36	5S	4W	Duchesne
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
C	12465	12352	6/2/1998		March-2003		
Comments:							7/9/03 ✓
Now on 31-04 TB.							

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)

Callie Peatross
Name (Please Print)
Callie Peatross
Signature
Production Assistant 7-7-03
Title Date

RECEIVED

JUL 07 2003

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS			5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624745
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.			6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE INDIAN TRIBE
			7. UNIT or CA AGREEMENT NAME: 1240H624650
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____			8. WELL NAME and NUMBER: UTE TRIBAL 36-08E4
2. NAME OF OPERATOR: PETROGLYPH OPERATING COMPANY, INC.			9. API NUMBER: 4301331815
3. ADDRESS OF OPERATOR: PO BOX 607 CITY ROOSEVELT STATE UT ZIP 84066		PHONE NUMBER: (435) 722-2531	10. FIELD AND POOL, OR WILDCAT: ANTELOPE CREEK
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1796' FNL & 716' FEL			COUNTY: DUCHESNE
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 36 T5S R4W			STATE: UTAH

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

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

This well is currently in TA status. Upon further review of the well, Petroglyph Operating Company intends to preform a recompletion in the Green River formation. The approximate start date will be 8/26/2011. We plan on perforating depths: 4347'-4739', 4740'-4744', 4735'-4738', 4687'-4690', 4677'-4679', 4392'-4398', 4248'-4254', 4238'-4244', and 4191'-4194'. Perforating guns: 3 1/8" Titan containing 22.7 gram charges @ 0.43" EHD, 23.5" TTP @ 2 spf @ 1208 phased. These perforations will be fraced via 3 1/2" N-80 tubing with plug and packer for isolation. Frac fluid containing 17# XL XLF gelled fluid with 20/40 mesh sand, ramped to 6#ppg. 3 1/2" tubing and tools will be pulled. Perforate for perf height: 5102'-5112', 5090'-5098', 5083'-5086', 4470'-4474', 4462'-4464', with Titan perf guns containing same charges as above mentioned. Production tubing and rods will be run and placed back on production. pump will be run and placed on production. Subsequent report to follow upon recompletion.

COPY SENT TO OPERATOR

Date: AUG 18 2011

Initials: KS

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

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas & Mining
By: *[Signature]* 8/16/2011

Federal Approval Of This
Action Is Necessary

RECEIVED

AUG 15 2011

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4745
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1. TYPE OF WELL Oil Well		7. UNIT or CA AGREEMENT NAME:
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		8. WELL NAME and NUMBER: UTE TRIBAL 36-08-E4W
3. ADDRESS OF OPERATOR: 960 Broadway Ave, Ste 500, Bosie, ID, 83703		9. API NUMBER: 43013318150000
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1796 FNL 0713 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 36 Township: 05.0S Range: 04.0W Meridian: U		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
		COUNTY: DUCHESNE
		STATE: UTAH

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

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 3/19/2012	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION
	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input type="text"/>

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

Please see the attached document. Not enough room on this form for the required information.

**Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
March 26, 2012**

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 3/22/2012	

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4745
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		
1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		8. WELL NAME and NUMBER: Ute Tribal 36-08E4
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.		9. API NUMBER: 4301331815
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		PHONE NUMBER: (435) 722-2531
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1796' FNL, 713' FEL		10. FIELD AND POOL, OR WILDCAT: Antelope Creek
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENE 36 5S 3W		COUNTY: Duchesne
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 3/19/2012	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

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

Upon frac equipment availability Petroglyph Operating re-completed Ute Tribal 36-08E4, perforating in Green River formation. Perforated E1.1: 5102-5112', 5090-5098', 5083-5086' for perf height. C9.2: 4470-4474', 4462-4464' for perf height. Perforated an fraced via 3 1/2" tbg w/ 5 1/2" Packer and Bridge plug set for isolation. Perforating and frac as follows: Zone #1: D5: 4677-4679', 4687-4691', D7: 4735-4738', 4737-4739', 4740-4744'. Perf & fraced Zone #1 w/ 511 bbls Delta 140 15# gelled fluid containing 31,340#'s 20/40 mesh sand 1-6#ppg ramp, 13,790#'s 20/40 mesh sand 6#ppg hold. Perf and Fraced Zone #2: C8.1: 4392-99' w/ 281 Bbls Delta 140 15# fluid containing 10,420#'s 20/40 mesh sand 1-5#ppg ramp and 4,640#'s 20/40 mesh sand 6#ppg hold. Perf and fraced Zone #3: C5: 4191-4194', 4238-4244', 4248-4254' w/ 591 Bbls Delta 140 15# gelled fluid containing 42,030#'s 20/40 mesh sand 1-5#ppg ramp and 18,190#'s 20/40 mesh sand 6#ppg. All fracs 100% placed, packer and plug was pulled and 3 1/2" tbg was laid down. Production tbg was ran. Well was swabbed for clean up and good oil cut was seen. Pump and rods were ran. Well placed on Prod on 3/19/2012

Perforation guns as follows: Titan 3 1/8" containing 22.7 gram charges, 0.42" EHD w/ 23.54" TTP, @ 4 spf @ 120* phased.

NAME (PLEASE PRINT) Rodrigo Jurado	TITLE Regulatory Compliance Specialist
SIGNATURE 	DATE 3/22/2012

(This space for State use only)

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

AMENDED REPORT FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER:
14-20-H62-4745

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

7. UNIT or CA AGREEMENT NAME:
14-20-H62-4650

8. WELL NAME and NUMBER:
Ute Tribal 36-08E4w

9. API NUMBER:
4301331815

10. FIELD AND POOL, OR WILDCAT:
Antelope Creek

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
SENE 36 5S ⁴ SW

12. COUNTY: **Duchesne** 13. STATE: **UTAH**

1a. TYPE OF WELL: OIL WELL GAS WELL DRY OTHER _____

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

2. NAME OF OPERATOR:
Petroglyph Operating Company Inc.,

3. ADDRESS OF OPERATOR: P.O. Box 607 CITY **Roosevelt** STATE **UT** ZIP _____ PHONE NUMBER: _____

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: **1796' FNL, 713' FEL**
AT TOP PRODUCING INTERVAL REPORTED BELOW: **SAME**
AT TOTAL DEPTH: **SAME**

14. DATE SPUDED: **6/2/1998** 15. DATE T.D. REACHED: **6/8/1998** 16. DATE COMPLETED: **3/19/2012** ABANDONED READY TO PRODUCE

17. ELEVATIONS (DF, RKB, RT, GL): **6402 RKB**

18. TOTAL DEPTH: MD **5,877** TVD **5,877** 19. PLUG BACK T.D.: MD **5,799** TVD **5,799** 20. IF MULTIPLE COMPLETIONS, HOW MANY? * _____ 21. DEPTH BRIDGE MD _____ PLUG SET: TVD _____

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
All log previously submitted, 10/16/1998

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

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

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
12.25"	8.625 J-55	24	0	358		160	34		
7.875	5.5 J-55	15.5	0	5,835		470	173		

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.875	5,663							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Green River	4,191	5,714	4,191	5,714	4,191 4,194	0.42	12	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B)					4,238 4,244	0.42	24	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)					4,248 4,254	0.42	24	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(D)					4,392 4,399	0.42	28	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>

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

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
4191'-4254'	60,220# Sand Frac (20/40 mesh sand). 591 Bbls Delta 140 15# gelled fluid.
4392'-4399'	15,060# Sand Frac (20/40 mesh sand). 281 Bbls Delta 140 15# gelled fluid.
4677'-4744'	45,130# Sand Frac (20/40 mesh sand). 511 Bbls Delta 140 15# gelled fluid.

29. ENCLOSED ATTACHMENTS:

ELECTRICAL/MECHANICAL LOGS GEOLOGIC REPORT DST REPORT DIRECTIONAL SURVEY

SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION CORE ANALYSIS

RECEIVED

30. WELL STATUS: **POW**

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 3/19/2012		TEST DATE: 3/21/2012		HOURS TESTED: 24		TEST PRODUCTION RATES: →		OIL – BBL: 30	GAS – MCF: 10	WATER – BBL: 29	PROD. METHOD: Rod Pump
CHOKE SIZE: 34	TBG. PRESS. 33	CSG. PRESS. 36	API GRAVITY 38.70	BTU – GAS 1	GAS/OIL RATIO 333	24 HR PRODUCTION RATES: →	OIL – BBL: 30	GAS – MCF: 10	WATER – BBL: 29	INTERVAL STATUS: Open	

INTERVAL B (As shown in item #26)

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

INTERVAL C (As shown in item #26)

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

INTERVAL D (As shown in item #26)

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

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

Used for Fuel

33. SUMMARY OF POROUS ZONES (Include Aquifers):

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

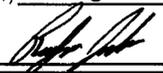
34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Mahogany Marker	2,470
				Garden Gulch	3,132
				B Marker	3,534
				X Marker	4,008
				Y Marker	4,043
				Douglas Creek	4,142
				B Lime	4,818
				Castle Peak	5,060
				Basal Carbonate	5,500
				Wasatch	5,758

35. ADDITIONAL REMARKS (Include plugging procedure)

Please see attached form for additional perforations.

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

NAME (PLEASE PRINT) Rodrigo Jurado TITLE Regulatory Compliance Specialist
 SIGNATURE  DATE 3/22/2012

This report must be submitted within 30 days of

- completing or plugging a new well
- reentering a previously plugged and abandoned well
- drilling horizontal laterals from an existing well bore
- significantly deepening an existing well bore below the previous bottom-hole depth
- recompleting to a different producing formation
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining Phone: 801-538-5340
 1594 West North Temple, Suite 1210
 Box 145801 Fax: 801-359-3940
 Salt Lake City, Utah 84114-5801

PETROGLYPH



COMPLETION REPORT ADDITIONAL INFORMATION

Ute Tribal 36-08E4, API # 43-013-31815

1796' FNL, 713' FEL

SENE Sec. 36, T5S, R3W

Duchesne County, Utah

ITEM 27, Additional perforations			
Interval	Size	No. Holes	Status
4462-4464	0.42	8	Open
4470-4474	0.42	16	Open
4677-4679	0.42	8	Open
4687-4691	0.42	16	Open
4735-4738	0.42	12	Open
4737-4739	0.42	8	Open
4740-4744	0.42	16	Open
5083-5086	0.42	12	Open
5090-5098	0.42	32	Open
5102-5112	0.42	40	Open