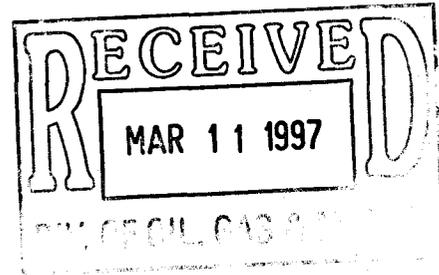


Petroglyph Operating Co., Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

March 5, 1997

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



RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL #19-04
NW/NW SEC. 19, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3514
UTE TRIBAL LANDS

Dear Mr. Matthews:

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

Please address further communication regarding this matter (including approval) to:
Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone # (801) 789-4120
Fax # (801) 789-1420

Sincerely,

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

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
 DRILL DEEPEN

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

2. NAME OF OPERATOR
 PETROGLYPH OPERATING COMPANY, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
 At surface: 458' FNL & 996' FWL NW/NW
 At proposed prod. zone

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

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 458'
 (Also to nearest drilg. unit line, if any)

16. NO. OF ACRES IN LEASE: 640

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 5897'

19. PROPOSED DEPTH: 5897'

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6124.5' GRADED GROUND

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

5. LEASE DESIGNATION AND SERIAL NO.
 14-20-H62-~~SS14~~ SS14

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.
 #19-04

10. FIELD AND POOL, OR WILDCAT
 ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 19, T5S, R3W

12. COUNTY OR PARISH
 DUCHESNE

13. STATE
 UTAH

CONFIDENTIAL

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------------|-----------------|---------------|--|
| 12 1/4 | 8 5/8 | 24.0# | 250' | 135 sx class "G" + 2% CaCl 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# | 5897' | |

CONFIDENTIAL

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

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

RECEIVED
MAR 11 1997
DIV. OF OIL, GAS & MINING

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 prevention program, if any.

24. SIGNED [Signature] TITLE AGENT FOR PETROGLYPH DATE 3-7-97

(This space for Federal or State office use)

PERMIT NO. 43-013-31843 APPROVAL DATE

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

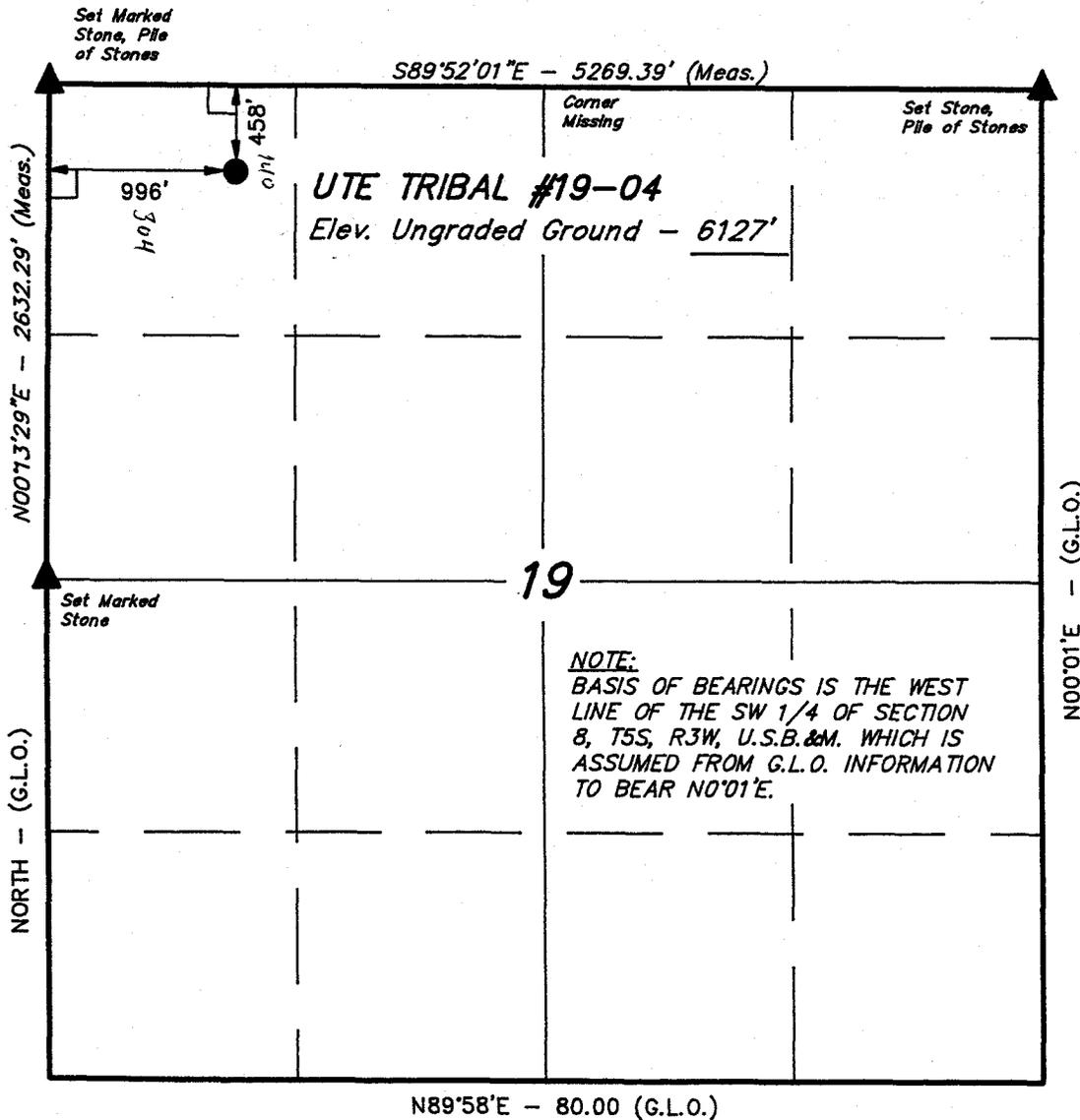
APPROVED BY [Signature] TITLE DATE 3/17/97

See Instructions On Reverse Side

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

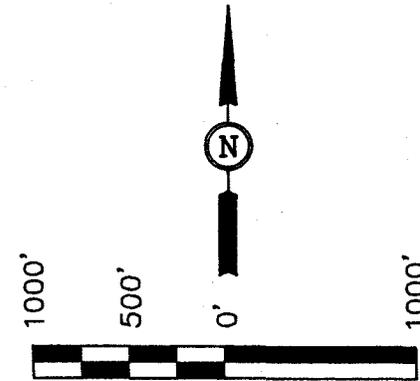
PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #19-04, located as shown in NW 1/4 NW 1/4 of Section 19, T5S, R3W, U.S.B.&M. Duchesne County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 18, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5943 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. Gray
REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

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

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

| | | |
|---------------------------|--|-------------------------|
| SCALE 1" = 1000' | DATE SURVEYED: 01-15-97 | DATE DRAWN: 01-17-97 |
| PARTY J.F. D.K. D.R.B. | REFERENCES G.L.O. PLAT | |
| WEATHER COLD | FILE PETROGLYPH OPERATING CO., INC. | |

EIGHT POINT PLAN

UTE TRIBAL #19-04
NW/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

| FORMATIONS | DEPTH | SUBSEA |
|---------------------------|-------|--------|
| Mahogany Shale | 2704 | 3478 |
| "B" Marker | 3782 | 2400 |
| "X" Marker | 4279 | 1903 |
| Douglas Creek | 4413 | 1769 |
| "B" Limestone | 4789 | 1393 |
| B/Castle Peak Limestone | 5374 | 808 |
| Basal Carbonate Limestone | 5787 | 395 |
| Total Depth | 5897 | 285 |

Anticipated BHP 2000 psi

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

| <u>Substance</u> | <u>Formation</u> | <u>Depth</u> | <u>Subsea</u> |
|---------------------|------------------|--------------|---------------|
| Oil/Gas | Douglas Creek | 4413 | 1769 |
| Oil/Gas | B/Castle Peak | 5374 | 808 |
| Other mineral zones | N/A | | |

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

| | | <u>MINIMUM SAFETY FACTOR</u> | | | | | | |
|------------------|-----------------|------------------------------|-------------|---------------|--------------|-----------------|--------------|----------------|
| <u>HOLE SIZE</u> | <u>INTERVAL</u> | <u>LENGTH</u> | <u>SIZE</u> | <u>WEIGHT</u> | <u>GRADE</u> | <u>COLLAPSE</u> | <u>BURST</u> | <u>TENSILE</u> |
| 12 1/4 | 0' - 250' | 250' | 8 5/8 | 24.0 # | J-55 | 1370 PSI | 2950 PSI | 263,000# |
| 7 7/8 | 0' - 5897' | 5897' | 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 #19-04
NW/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

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

MUD TYPE

Air
Air/Mist & Aerated Water
Air/3% KCL water or KCL substitute
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
Compensated Density-Compensated Neutron Log
Dual Laterolog - Micro-SFL
Numar (Magnetic Resonance Imaging Log)

T.D. to base of surface csg.
T.D. to base of surface csg.
T.D. to base of surface csg.
@ 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 #19-04
NW/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

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

10. HAZARDOUS CHEMICALS:

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

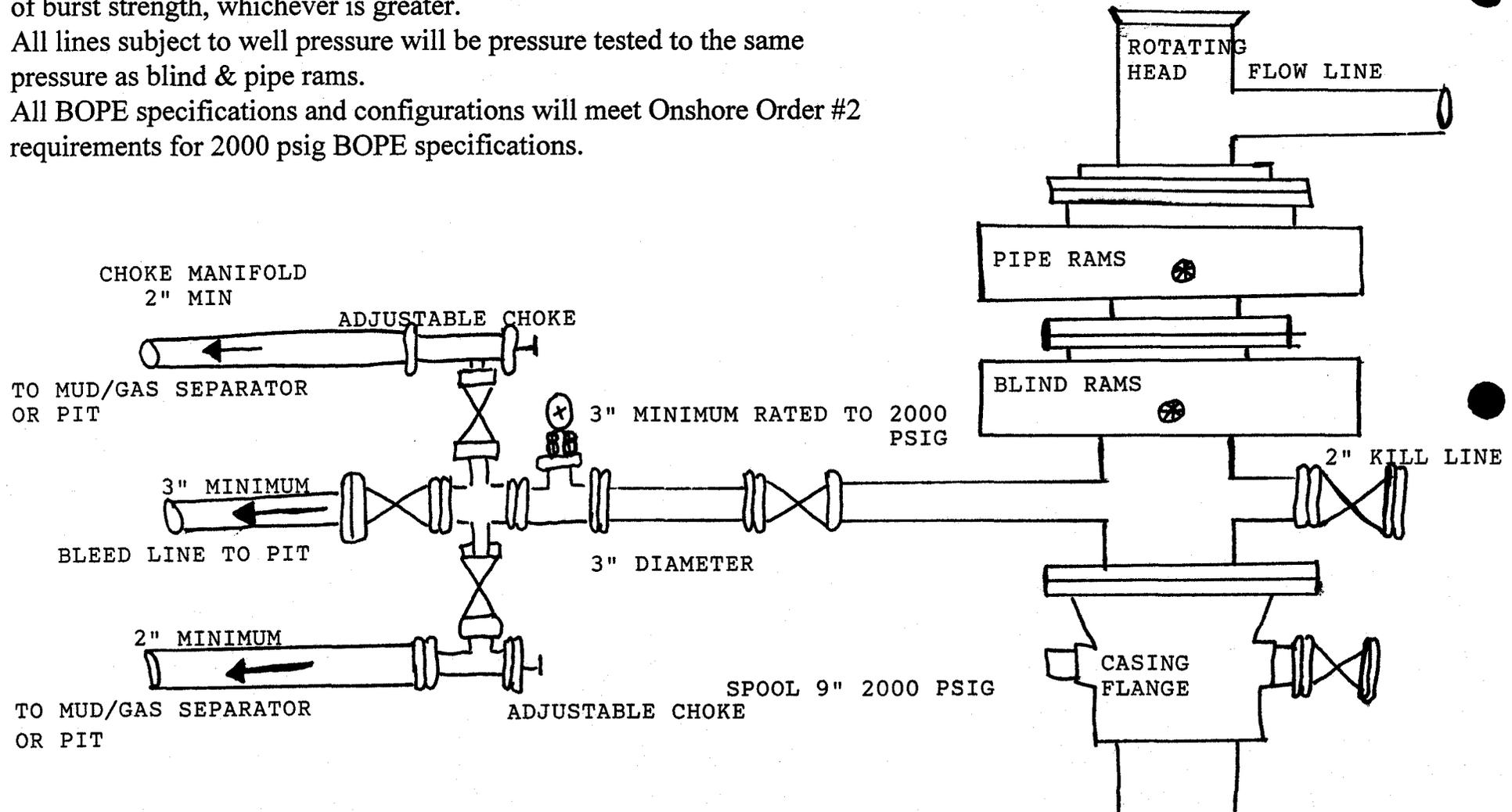
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

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

TESTING PROCEDURE:

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



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

Company/Operator: Petroglyph Operating Co., Inc.
Well Name & Number: Ute Tribal #19-04
Lease Number: BIA 14-20-H62-3514
Location: 458' FNL & 996' FWL NW/NW, Sec. 19, T5S R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

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

Location Completion - prior to moving on the drilling rig.

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

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

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

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

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

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 19.1 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 - 5*
- 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 950' from proposed location to a point in the SW/SW of Section 18, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

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

The production facilities will be placed on the Ute Tribal #19-03 location.

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

(Occupational Safety and Health Act) will be excluded.
The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

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

6. SOURCE OF CONSTRUCTION MATERIAL

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

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

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

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

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

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

On BIA administered land:

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

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

To protect the environment:

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

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

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

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

8. ANCILLARY FACILITIES

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

9. WELL SITE LAYOUT

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

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

The flare pit will be located downwind of the prevailing wind direction on the West side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the East side.

Access to the well pad will be from the North.

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

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

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

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

X Corners No. 6 & 8 will be rounded off to minimize the fill.

FENCING REQUIREMENTS

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

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

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

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

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

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

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

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

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

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

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

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

ON BIA Administered lands:

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

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

12. OTHER INFORMATION

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

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

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

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

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

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

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

On BIA administered land:

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

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

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

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

Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between

_____ and _____ because of _____

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

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

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

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

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

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Vince Guinn

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 722-9145

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

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

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

Certification:

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

3-7-97

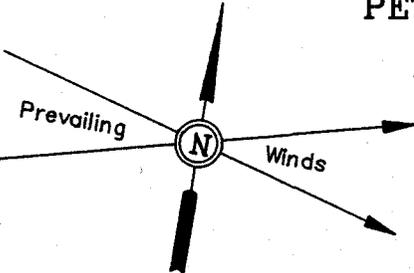
Date

Paul L. Smith

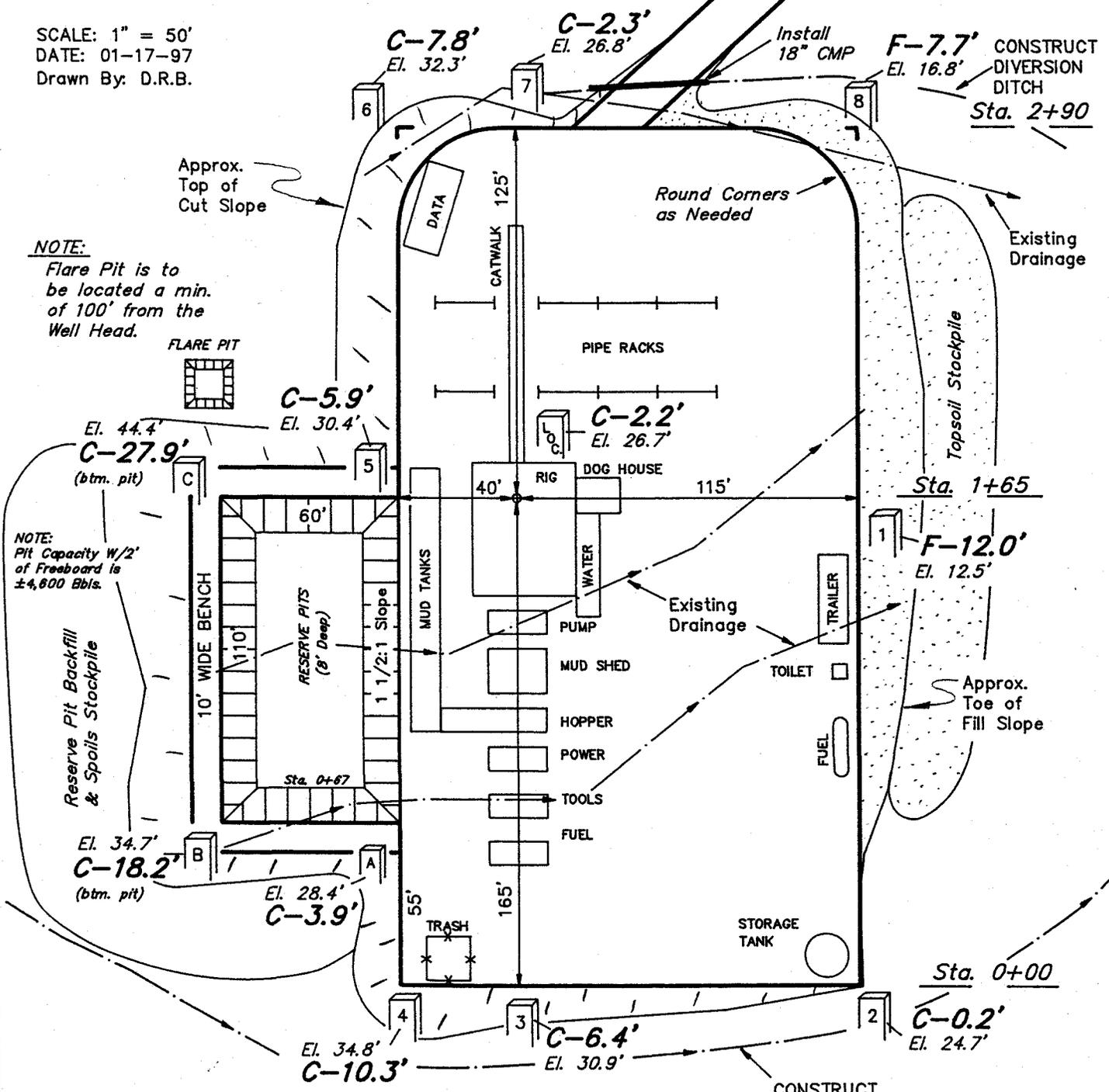
PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #19-04
SECTION 19, T5S, R3W, U.S.B.&M.
458' FNL 996' FWL



SCALE: 1" = 50'
DATE: 01-17-97
Drawn By: D.R.B.



Elev. Ungraded Ground at Location Stake = **6126.7'**

Elev. Graded Ground at Location Stake = **6124.5'**

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

PETROGLYPH OPERATING CO., INC.

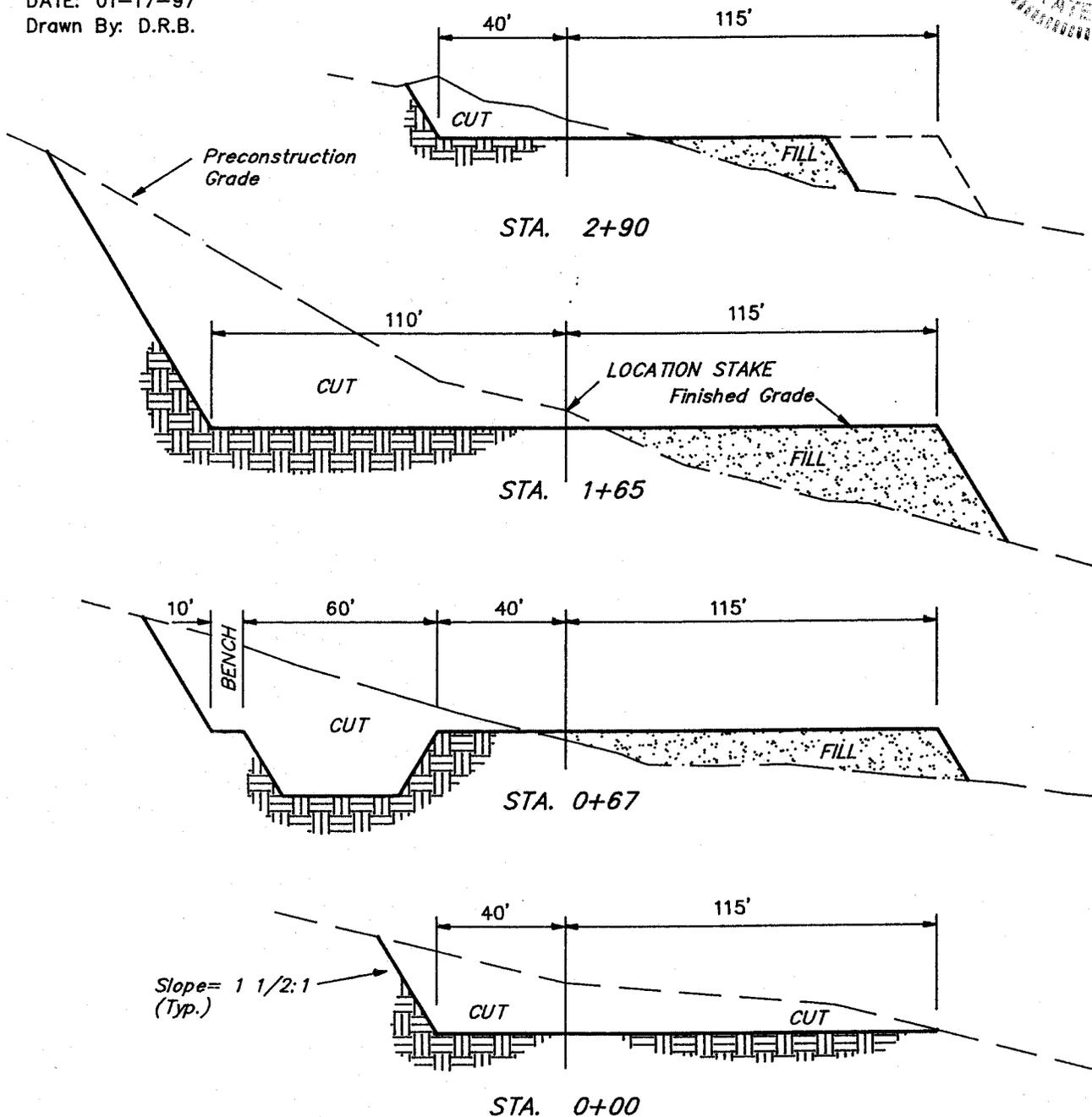
TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #19-04
SECTION 19, T5S, R3W, U.S.B.&M.
458' FNL 996' FWL



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

DATE: 01-17-97
Drawn By: D.R.B.

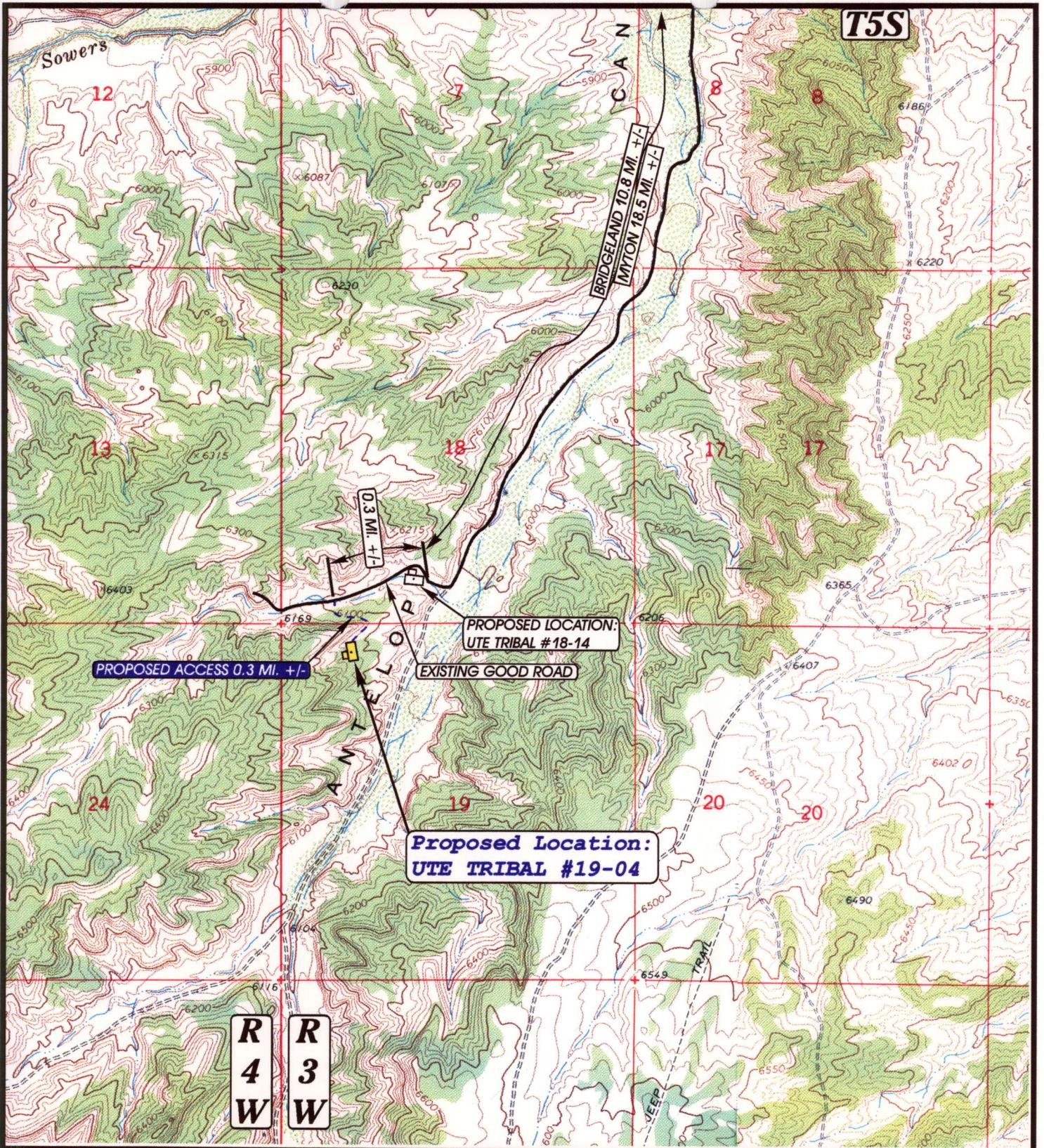


APPROXIMATE YARDAGES

| | | |
|-------------------------|----------|----------------------|
| (12") Topsoil Stripping | = | 1,910 Cu. Yds. |
| Remaining Location | = | 8,030 Cu. Yds. |
| TOTAL CUT | = | 9,940 CU.YDS. |
| FILL | = | 6,960 CU.YDS. |

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

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



UELS

**TOPOGRAPHIC
MAP "B"**

**DATE: 1-17-97
Drawn by: D.COX**

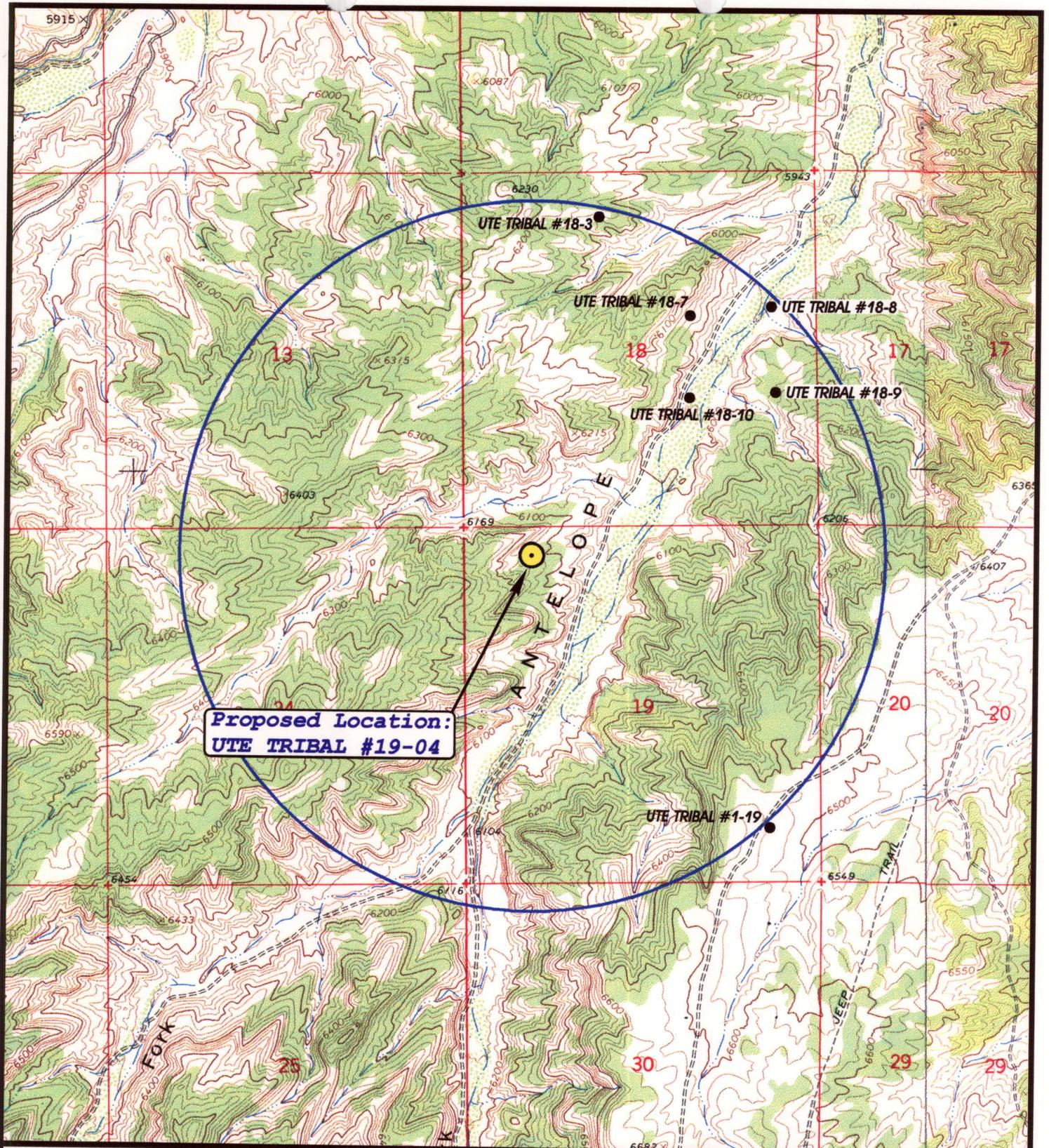
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PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #19-04
SECTION 19, T5S, R3W, U.S.B.&M.
458' FNL 996' FWL**

SCALE: 1" = 2000'



**Proposed Location:
UTE TRIBAL #19-04**

LEGEND

UELS

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

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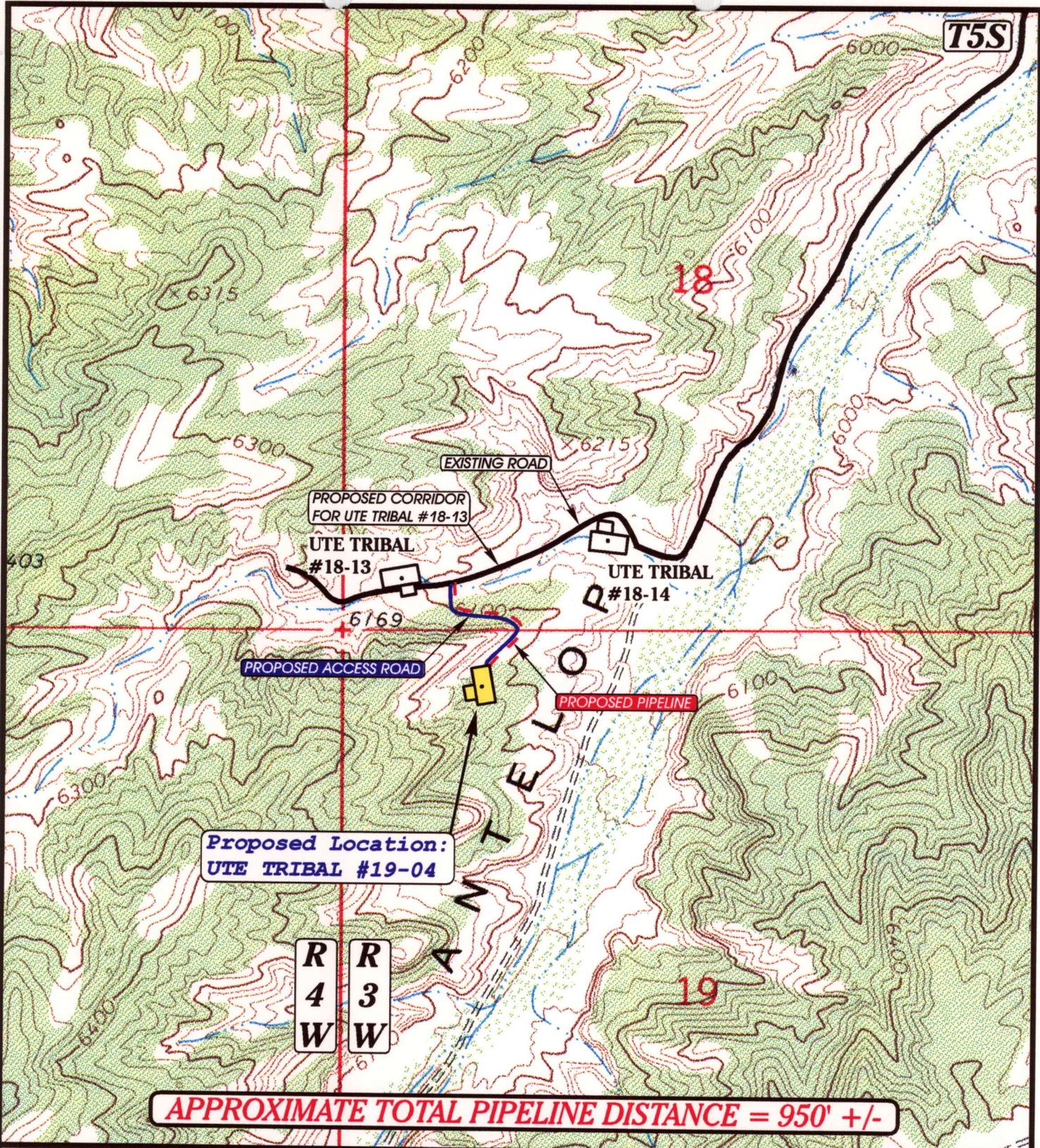


PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #19-04
SECTION 19, T5S, R3W, U.S.B.&M.
TOPOGRAPHIC
MAP "C"**

SCALE: 1" = 2000'

DATE: 1-17-97 D.COX



TOPOGRAPHIC
MAP "D"

UELS

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

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SCALE: 1" = 1000'

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #19-04
SECTION 19, T5S, R3W, U.S.B.&M.

DATE: 1-17-97
Drawn by: D.COX

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 03/11/97

API NO. ASSIGNED: 43-013-31843

WELL NAME: UTE TRIBAL 19-04
 OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:
 NWNW 19 - T05S - R03W
 SURFACE: 0458-FNL-0996-FWL
 BOTTOM: 0458-FNL-0996-FWL
 DUCHESNE COUNTY
 ANTELOPE CREEK FIELD (060)

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

LEASE TYPE: IND
 LEASE NUMBER: 14-20-H62-3514

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat

Bond: Federal State Fee
 (Number 804566)

Potash (Y/N)

Oil shale (Y/N)

Water permit
 (Number 43-10152)

RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

___ R649-2-3. Unit: _____

___ R649-3-2. General.

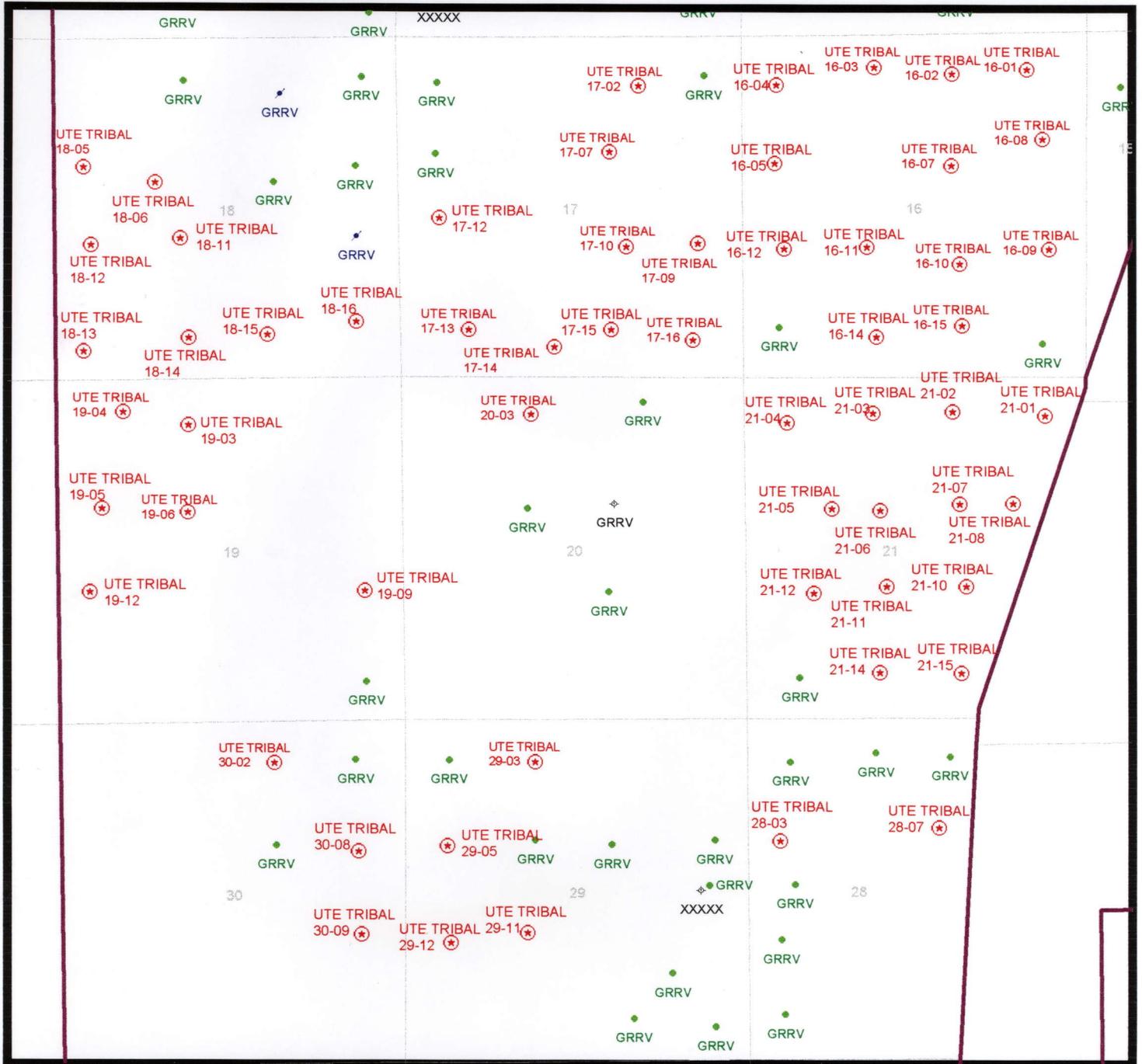
R649-3-3. Exception.

___ Drilling Unit.
 Board Cause no: _____
 Date: _____

COMMENTS: EXCEPTION FOR SPACING REQUESTED

STIPULATIONS: _____

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



PREPARED:
DATE: 13-MAR-97



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

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

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

March 17, 1997

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

Re: Ute Tribal 19-04 Well, 458' FNL, 996' FWL, NW NW, Sec. 19,
T. 5 S., R. 3 W., Duchesne County, Utah

Gentlemen:

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

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31843.

Sincerely,

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

R. J. Firth
Associate Director

lwp

Enclosures

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

Operator: Petroglyph Operating Company, Inc.
Well Name & Number: Ute Tribal 19-04
API Number: 43-013-31843
Lease: 14-20-H62-3514
Location: NW NW Sec. 19 T. 5 S. R. 3 W.

Conditions of Approval

1. General

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

2. Notification Requirements

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

Notify the Division prior to commencing operations to plug and abandon the well. Contact R. J. Firth (801)538-5274 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

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

DOGMA

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK
DRILL DEEPEN

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

2. NAME OF OPERATOR
PETROGLYPH OPERATING COMPANY, INC.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface 458' FNL & 996' FWL NW/NW
At proposed prod. zone

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-~~3514~~ 3514

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

7. UNIT AGREEMENT NAME
UTE TRIBAL

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

9. AP WELL NO.
#19-04

10. FIELD AND POOL, OR WILDCAT
ANTELOPE CREEK

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 19, T5S, R3W

12. COUNTY OR PARISH
DUCHEсне

13. STATE
UTAH

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
19.1 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)
458'

16. NO. OF ACRES IN LEASE
640

17. NO. OF ACRES ASSIGNED TO THIS WELL
40

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

19. PROPOSED DEPTH
5897'

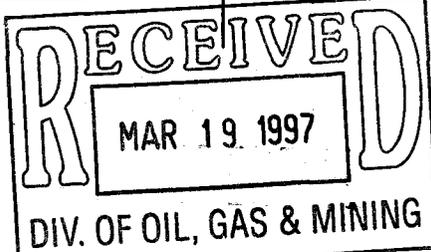
20. ROTARY OR CABLE TOOLS
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
6124.5' GRADED GROUND

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

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------------|-----------------|---------------|--|
| 12 1/4 | 8 5/8 | 24.0# | 250' | 135 sx class "G" + 2% CaCl ₂ + 1/4 #/sx celloflake. |
| 7 7/8 | 5 1/2 | 15.5# | 5897' | 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG ±) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS). |



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

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

RECEIVED
MAR 10 1997

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

24. SIGNED [Signature] AGENT FOR PETROGLYPH DATE 3-7-97

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

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

APPROVED BY [Signature] Assistant Field Manager Mineral Resources DATE MAR 13 1997
FILE U4080-7m-191 *See Instructions On Reverse Side

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

memorandum

DATE: FEB. 21 1997

REPLY TO
ATTN OF:

Superintendent, Uintah & Ouray Agency

SUBJECT:

Concurrence Letter for PETROGLYPH OPERATING COMPANY
UT #07-15, SE/4 and SW/4 of Sec. 7., T5S, R3W

TO: UT #UT 19-04, SW/4 of Sec. 18 & the NW/4 of Sec. 19, T5S, R3W

Corridor includes: 1. Access Road 2. One buried 3" steel oil pipeline 3. One buried 3" poly water pipeline
4. One buried 3" poly gas pipeline 5. One buried 6" steel water pipeline 6. One surface 4 1/2 steel production pipeline
7. Electrical Powerline Right-of-way

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

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

Based on available information received on February 20, 1997, we cleared the proposed location in the following areas of environmental impact.

RECEIVED

FEB 26 1997

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

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

1. The Ute Tribe Energy and Minerals Department is to be notified 48 hours prior to construction, as a Tribal Technician is to monitor construction.
2. 50 foot corridor rights-of-way shall be granted with the following:
 - A. Buried pipelines shall be buried a minimum of 3 feet below soil surface.
 - B. Access roads shall be limited to 22 feet, except as granted for sharp turns.
 - C. Surface pipelines shall be limited to 13 feet wide.
 - D. Buried pipelines shall be limited to 15 feet wide, and construction will be monitored by 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 parallel each other, as safety requirements will allow.
4. Petroglyph Operating Company will assure the Ute Tribe that any/all contractors and any subcontractors has acquired a Tribal Business License and have an access permits prior to construction.
5. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the area examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
6. All recommendations of the Bureau of Indian Affairs, combined site specific Environmental Analysis report will be strictly adhered.
7. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
8. The personnel from the Ute Tribe Energy & Minerals Department should be consulted, should cultural remains from subsurface deposits be exposed during construction work.
9. Upon completion of Application for Right-of-Way, the Ute Tribe Energy & Minerals Department will be notified by Petroglyph Operating Company, so that a Tribal Technician can verify Affidavits of Completions.

OPTIONAL FORM NO. 10
GSA
(REV. 1-94)
5010-118

Received 2/27

**SITE SPECIFIC
ENVIRONMENTAL ANALYSIS**

1.0 PROPOSED ACTION

Petroglyph Operating Co., Inc. is proposing to drill oil well #19-04, and construct pipelines, access roads, and powerlines in approximately 952.97 feet of corridor right-of-way.

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 1-22-97
- C. Well number- 19.04
- D. Right-of-way- Corridor R\W approx. 952.97 feet.
- E. Site location-SWSW, Section 18, & NWNW, Section 19, T5S, R3W, USB&M.

4.0 SITE SPECIFIC SURVEY

A. SITE DESCRIPTION

- 1. Elevation (feet) 6127
- 2. Annual precipitation (inches)- 12-14
- 3. Topography- rolling hills
- 4. Soil- The soil texture is (0 to 6") gravely shale loam with moderate permeability.

B. VEGETATION

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

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

8. **AFFECTED ENVIRONMENTAL**

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

4.1 WILDLIFE

A. POTENTIAL SITE UTILIZATION

1. Big Game-The area is used throughout the year by mule deer, elk, and antelope.
2. Small Game-The area is used by cottontail rabbit.
3. Raptor- Various species of raptors use this area for habitat. Raptors which are observed using the area are Golden eagles, Redtail hawk, & Kestrel. Ferruginous hawk hunt in the area and there is an active nest located approximately 2.0 miles south-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 | 3.91 |
| Irrigable land | 0 |
| Woodland | 0 |
| Non-Irrigable land | 3.91 |
| Commercial timber | 0 |
| Floodplain | 0 |
| Wetland | 0 |
| Riparian | 0 |
| Other: | 0 |

4.3 CULTURAL RESOURCES

A. CULTURAL SURVEY

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

5.0 ENVIRONMENTAL IMPACTS

A. SURFACE ALTERATIONS

| | <u>acres</u> |
|--------------------------|--------------|
| 1. Access road | 0.00 |
| 2. Well site | 2.82 |
| 3. Pipeline right-of-way | 0.00 |
| 4. Corridor right-of-way | 1.09 |
| 5. Total area disturbed | 3.91 |

B. VEGETATION/LANDSCAPE

1. Production loss (AUM's)/year: 0.3
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 0.3 AUM/year.

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

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

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

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

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

6.0 MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

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

B. SOILS/RANGE/WATERSHEDS

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

2. SURFACE PIPELINES

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

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

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

3. BURIED PIPELINES

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

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

4. CORRIDOR RIGHT-OF-WAY

To reduce surface damages a 50 foot wide corridor right-of-way will be used for the access road, surface

pipelines, buried pipelines, and electrical powerlines.

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

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

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

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

5. Although there is a 50 foot right-of-way the bladed area of the access road will be limited to 22 feet in all areas except where deep cuts and fills are required, sharp turns are required, or at the intersections with other roads.

C. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

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

D. CULTURAL RESOURCES

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

E. UTE TRIBAL REGULATIONS

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

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

7.0 UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

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

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

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

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

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

8.0 CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

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

9.0 NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, 1-27-97, the proposed location in the following areas of environmental impacts has been cleared:

X Yes No Listed Threatened & Endangered species

X Yes No Critical wildlife habitat
X Yes No Historical and cultural resources

10.0 REMARKS

A. SURFACE PROTECTION/REHABILITATION

All essential surface protection and rehabilitation requirements are specified above.

11.0 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

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

1-27-97
Date

Dale D. Hanbery
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).

1/28/97 Date Allen D. Hays Acting Superintendent,
Uintah and Ouray Agency

14.0 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

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

19.04
B: \EAPet07.15

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company Inc.

Well Name & Number: Ute Tribal 19-04

API Number: 43-013-31843

Lease Number: 14-20-H62-3514

Location: NWNW Sec. 19 T.5S R. 3W

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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

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

A. DRILLING PROGRAM

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

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

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

2. Pressure Control Equipment

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

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

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

3. Casing Program and Auxiliary Equipment

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

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

4. Mud Program and Circulating Medium

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

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

5. Coring, Logging and Testing Program

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

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

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

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

6. Notifications of Operations

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

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

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

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

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

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

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

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

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

7. Other Information

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

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

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

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

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

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

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

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

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

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

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

Jerry Kenzcka (801) 781-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

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

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE CONDITIONS OF APPROVAL

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

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

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

Access roads which shall have constructed travel width limited to 22 feet, except as granted for sharp curves or intersections.

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

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

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

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

After construction of the buried pipeline is completed the disturbed area of the 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.

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

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

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

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

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

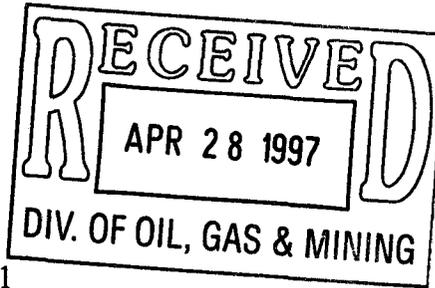
Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

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

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

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.

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



April 23, 1997

RE: Application for Exception Well Location
Proposed Ute Tribal #19-04
Township 5 South, Range 3 West
Section 19: NW/4 NW/4
Duchesne County, Utah

Gentlemen;

Petroglyph Operating Company, Inc. (Petroglyph) respectfully requests administrative approval per R-649-3-3 to drill the Ute Tribal #19-04 a 5897' Green River test, at a location 458' FNL & 996' FWL, NW/4 NW/4, Section 19, Township 5 South Range 3 West, Duchesne County, Utah.

The aforementioned footage is not a location at which a well could be drilled in compliance with the spacing order of this lease, which established 40 acre drilling units.

Enclosed is a topographic map which depicts the surface contour in the area of the subject location. Petroglyph believes the proposed exceptionally spaced location to be the preferred location from a construction standpoint. Also this location is preferred by the Bureau of Indian Affairs Resource Department and the Ute Indian Tribe, Energy and Minerals Department who regulate activities on this land.

Petroglyph Operating Company Inc. holds 100% of the operating rights underlying the subject drilling unit as well as drilling units to the north, south, east and west.

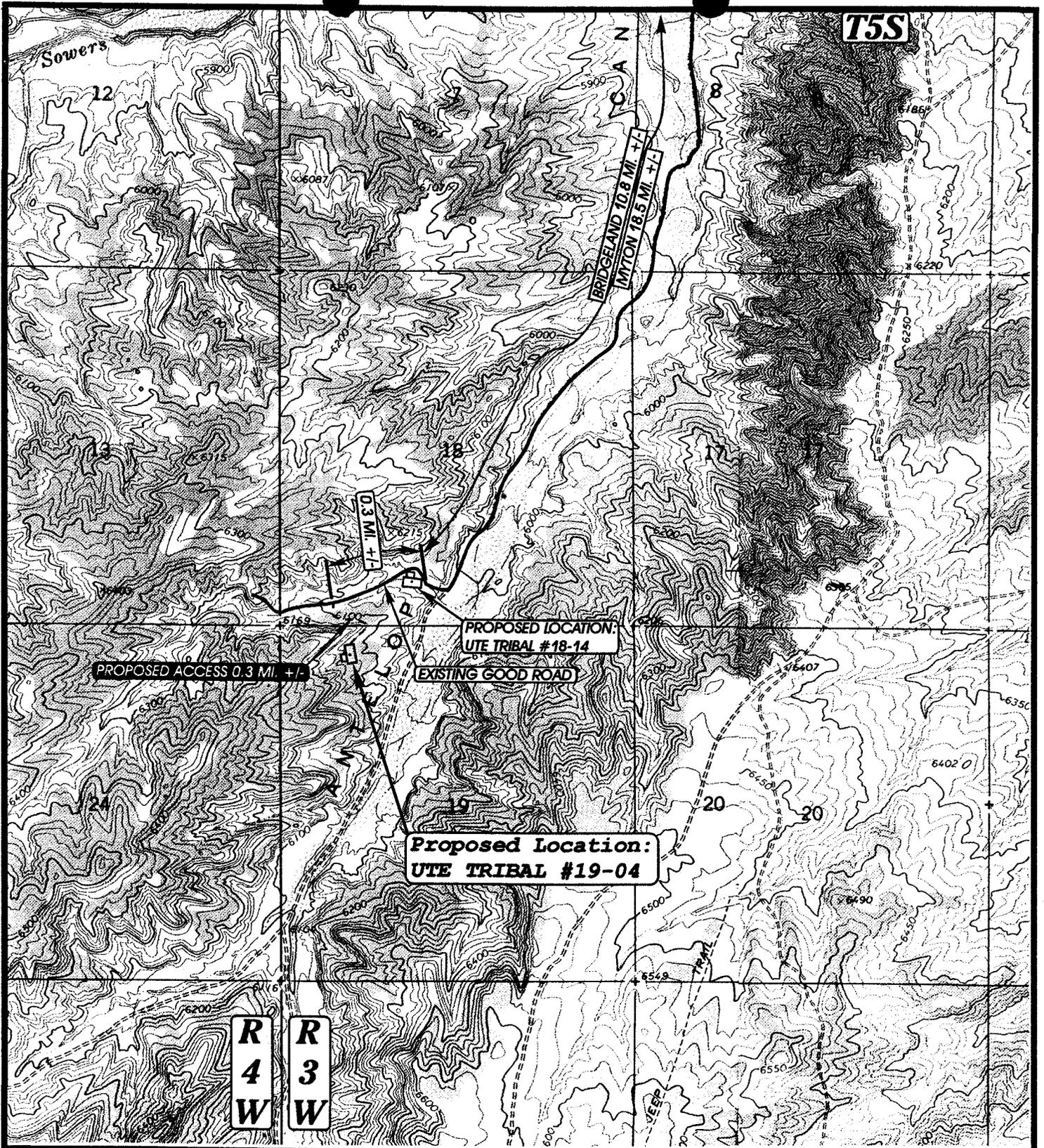
Petroglyph respectfully requests the Division of Oil, Gas and Mining Administratively grant this application for the exceptional well location at its earliest opportunity.

Please direct further correspondence and approval to myself at P.O. Box 1910, Vernal, Utah 84078, or phone me at 801-789-4120.

Sincerely,

A handwritten signature in cursive script, appearing to read "Ed Trotter".

Petroglyph Operating Company Inc.
Ed Trotter, Agent



UELS

**TOPOGRAPHIC
MAP "B"**

**DATE: 1-17-97
Drawn by: D.COX**

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



PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #19-04
SECTION 19, T5S, R3W, U.S.B.&M.
458' FNL 996' FWL**

SCALE: 1" = 2000'

SPUDDING INFORMATION

Name of Company: PETROGLYPH OPERATING

Well Name: UTE TRIBAL 19-04

Api No. 43-013-31843

Section: 19 Township: 5S Range: 3W County: DUCHESNE

Drilling Contractor UNION

Rig # 7

SPUDDED:

Date 5/13/97

Time _____

How ROTARY

Drilling will commence _____

Reported by DEANNA BELL

Telephone # 1-801-722-2531

Date: 5/14/97 Signed: JLT

✓

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

| 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 | 12211 | 43-013-31843 | Ute Tribal 19-04 | NWNW | 19 | 5S | 3W | Duchesne | 5-13-97 | |
| WELL 1 COMMENTS: <i>Entity added 12-15-97. See Ute Tribal 19-04 will tie into tank battery at the Ute Tribal 19-03</i> | | | | | | | | | | | |
| WELL 2 COMMENTS: | | | | | | | | | | | |
| WELL 3 COMMENTS: | | | | | | | | | | | |
| WELL 4 COMMENTS: | | | | | | | | | | | |
| WELL 5 COMMENTS: | | | | | | | | | | | |

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

NOTE: Use COMMENT section to explain why each Action Code was selected.
 (3/89)

Deanna K. Bell
 Signature Deanna K. Bell
 Operations Coordinator 5-16-97
 Title Date
 Phone No. (801) 722-2531

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: UTE TRIBAL 19-04

API number: 43-013-31843

2. Well Location: QQ N44W Section 19 Township 5S Range 3W County Duchesne

3. Well operator: PETROLYPH OPERATING Co. Inc.

Address: P.O. Box 607

Roosevelt, UT 84066

Phone: (801) 722-2531

4. Drilling contractor: Union Drilling Rig #16

Address: P.O. Drawer 40

Buckhannon, WV 26201

Phone: (304) 472-4610

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

| DEPTH | | VOLUME (FLOW RATE OR HEAD) | QUALITY (FRESH OR SALTY) |
|-------|-------------|----------------------------------|-----------------------------|
| FROM | TO | | |
| | <u>618</u> | <u>Switch over</u> | <u>Air + Foam Damp</u> |
| | <u>1105</u> | <u>1/2" steam H₂O</u> | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

6. Formation tops: _____

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

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

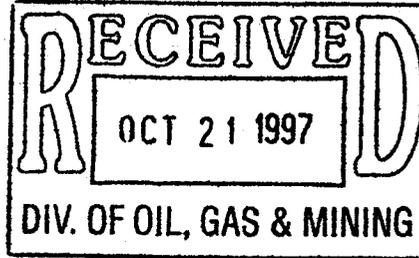
Date: 8-26-97

Name & Signature: L. Jeanne Bell

Title: Operations Coordinator

October 15, 1997

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



Ms. Dyson:

CONFIDENTIAL

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

| <u>Well Name</u> | <u>Log</u> |
|------------------|------------|
| Ute Tribal 19-06 | CNL & AIT |
| Ute Tribal 16-07 | CNL & AIT |
| Ute Tribal 19-05 | CNL & AIT |
| Ute Tribal 18-11 | CNL & AIT |
| Ute Tribal 15-12 | CNL & AIT |
| Ute Tribal 16-03 | CNL & AIT |
| Ute Tribal 14-05 | CNL & AIT |
| Ute Tribal 19-09 | CNL & AIT |
| Ute Tribal 16-08 | CNL & AIT |
| Ute Tribal 19-04 | CNL & AIT |
| Ute Tribal 07-10 | CNL & AIT |
| Ute Tribal 19-03 | CNL & AIT |
| Ute Tribal 30-10 | CNL & AIT |
| Ute Tribal 30-11 | CNL & AIT |

43 013 31843 TOSS R03W 19

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

Sincerely,

Judy Gates
Petroleum Geology Technician

COMPLETION REPORT

CONFIDENTIAL

9/25/97

Petroglyph Operating Company, Inc.

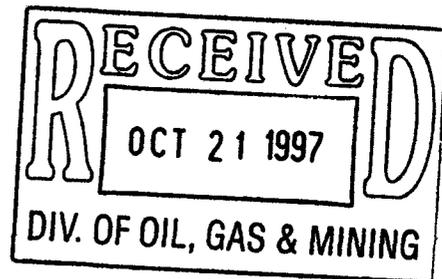
Operator: Petroglyph Operating Company, Inc. **Elevation:** KB 6134
Lease: Ute Tribal 19-04 **GL** 6124
API #: 43-013-31843 **Property:** 50138
Location: 19 - 5 S - 3 W **AFE/EPE Number:** 41303
County, St.: Duchesne UT

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

| | | |
|--------|------------|--|
| 6/4/97 | \$5,723.00 | PERFORATIONS: 5516-5526 Green River E (04) 4 SPF 40 shots WELLBORE: 5897 RTD 5900 LTD 5831 PBTD 5874 CSA |
|--------|------------|--|

MIRU Pool rig 812. NU frac head & BOPs. PU & RH w/ 5½" BVBP on 2-7/8" x 6.5# J55 tbg to 5596'. Test csg to 4500 psi. POOH to 5530' & spot 6 bbls 15% HCL @ E4 interval & POOH w/ ret head.

RU Schlumberger & perf E4 zone 5516-26' w/ 4 spf (40 holes). Fill csg w/ 15 bbls K wtr & bkdn E4 perms @ 2000 psi. Pump HCL away @ 4 bpm @ 1500 psi. ISIP @ 1200 psi. Move excess tbg from loc'n & SWIFN.



COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | |
|--------|-------------|---|
| 6/5/97 | \$30,174.00 | PERFORATIONS: |
| | | 5516-5526 Green River E (04) 4 SPF 40 shots |
| | | 5388-5396 Green River E (02.2) 4 SPF 32 shots |
| | | WELLBORE: |
| | | 5897 RTD |
| | | 5900 LTD |
| | | 5831 PBTD |
| | | 5874 CSA |

Open well w/ E4 zone brkdn last PM. This AM SICP @ 100 psi. RU HES & frac E4 zone w/ 8880 gal Boragel 30 w/ 51900# 20/40 sand @ .5 - 10 ppg. MTP @ 2500 psi. ATP @ 2000 psi. MTR @ 32.6 bpm. ATR @ 30.5 bpm. ISIP @ 2076 psi. 5 min @ 1882 psi. Pfg @ .81.

RU Wireline & lub in hole w/ RBP & perf gun. Set RBP @ 5450' & test to 3000 psi. Perf E2.2 zone @ 5388-96' w/ 4 spf (32 holes). RD Wireline. Bkdn E2.2 perms w/ K wtr @ 3000 psi. Pump in @ 4 bpm @ 1500 psi. ISIP @ 1250.

RU HES & frac E2.2 zone w/ 250 gal 15% HCL & 7990 gal Boragel 30 w/ 43500# 20/40 sand @ .5 - 10 ppg. MTP @ 2580 psi. ATP @ 2250 psi. MTR @ 26.5 bpm. ATR @ 25 bpm. ISIP @ 2395 psi. 5 min @ 2144 psi. Pfg @ .88.

Flow well to tank @ 5 min @ ± 60 bph to 0 psi. Flowed 100 bbls. RIH w/ ret head to 3075' & circ clean. Finish RIH & tag sand @ 5395'. Clean out to RBP @ 5450'. Rel & POOH. LD RBP. TWR @ 150 bbls. Flowing & displacing. SWIFN.

STIMULATION TREATMENT:

FLUID:

| Fluid Task | Fluid Type | Amount | Unit |
|------------|------------|--------|------|
| frac fluid | Boragel 30 | 8880 | gal |

| PROPPANT: | Type | Total Lbs: | Ramp Range |
|-----------|------------|------------|------------|
| 1 | 20/40 sand | 51900 | .5-10 |

PRESSURE/RATE:

| | | |
|----------|----------|----------|
| Maximum: | 2500 psi | 32.6 BPM |
| Average: | 2000 psi | 30.5 BPM |

SI PRESSURE:

| | TP | CP |
|--------|------|----|
| ISIP: | 2076 | |
| 5 Min: | 1882 | |

STIMULATION TREATMENT:

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

FLUID:

| Fluid Task | Fluid Type | Amount | Unit |
|------------|------------|--------|------|
| frac fluid | Boragel 30 | 7990 | gal |

| PROPPANT: | Type | Total Lbs: | Ramp Range |
|-----------|------------|------------|------------|
| 1 | 20/40 sand | 43500 | .5-10 |

PRESSURE/RATE:

| | | |
|----------|----------|----------|
| Maximum: | 2580 psi | 26.5 BPM |
| Average: | 2250 psi | 25 BPM |

SI PRESSURE:

| | TP | CP |
|--------|------|----|
| ISIP: | 2395 | |
| 5 Min: | 2144 | |

FLUID RECOVERY

| | |
|-------------|-------|
| ZONE BLF: | 810 |
| ZONE BLFR: | 150 |
| ZONE BLFTR: | 660 |
| ZONE % REC: | 18.5% |
| WELL BLF: | 810 |
| WELL BLFR: | 150 |
| WELL BLFTR: | 660 |
| WELL % REC: | 18.5% |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

6/6/97

\$2,197.00

PERFORATIONS:

5516-5526

Green River E (04)

4 SPF 40 shots

5388-5396

Green River E (02.2)

4 SPF 32 shots

WELLBORE:

5897

RTD

5900

LTD

5831

PBTD

5874

CSA

Open well w/ E4 & E2.2 zones open. Fraced & flowed to 0 psi yesterday. This AM SICP @ 200 psi. RIH w/ ret head & tag sand @ 5516'. Clean out to 5590'. POOH to 5366' & swb well. Made 28 runs. IFL @ surf. Had trace of oil on run #13 & incr to 50% on last run. FFL @ 2600'. TWR @ 186 bbls. TOR @ 44 bbls.

RD swab. RIH & tag sand @ 5587'. Clean out to 5590' where BVBP was left on 6-4-97. BVBP not there. RIH w/ 7 jts & found plug @ 5831'. Latch on to BVBP & POOH to 5375' & reset. Test to 4500 psi. Lost 25 psi in 10 min. SWIFN.

FLUID RECOVERY

| | |
|-------------|-------|
| ZONE BLF: | 810 |
| ZONE BLFR: | 336 |
| ZONE BLFTR: | 474 |
| ZONE % REC: | 41.5% |
| WELL BLF: | 810 |
| WELL BLFR: | 336 |
| WELL BLFTR: | 474 |
| WELL % REC: | 41.5% |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------------|---|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--------------------|-------|----------|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--|--|--|------|-----|------|-----|------|------|------|-----|
| 6/9/97 | \$44,934.00 | <p>PERFORATIONS:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5516-5526</td> <td style="width: 50%;">Green River E (04)</td> <td style="width: 15%;">4 SPF</td> <td style="width: 15%;">40 shots</td> </tr> <tr> <td>5388-5396</td> <td>Green River E (02.2)</td> <td>4 SPF</td> <td>32 shots</td> </tr> <tr> <td>5352-5358</td> <td>Green River E (02)</td> <td>4 SPF</td> <td>24 shots</td> </tr> <tr> <td>4699-4702</td> <td>Green River C (09)</td> <td>4 SPF</td> <td>12 shots</td> </tr> <tr> <td>4564-4568</td> <td>Green River C (06.1)</td> <td>4 SPF</td> <td>16 shots</td> </tr> <tr> <td>4564-4568</td> <td></td> <td></td> <td></td> </tr> </table> <p>WELLBORE:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5897</td> <td style="width: 80%;">RTD</td> </tr> <tr> <td>5900</td> <td>LTD</td> </tr> <tr> <td>5831</td> <td>PBTD</td> </tr> <tr> <td>5874</td> <td>CSA</td> </tr> </table> | 5516-5526 | Green River E (04) | 4 SPF | 40 shots | 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | 5352-5358 | Green River E (02) | 4 SPF | 24 shots | 4699-4702 | Green River C (09) | 4 SPF | 12 shots | 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | 4564-4568 | | | | 5897 | RTD | 5900 | LTD | 5831 | PBTD | 5874 | CSA |
| 5516-5526 | Green River E (04) | 4 SPF | 40 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5352-5358 | Green River E (02) | 4 SPF | 24 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4699-4702 | Green River C (09) | 4 SPF | 12 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4564-4568 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5897 | RTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5900 | LTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5831 | PBTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5874 | CSA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

This AM w/ BVBP @ ± 5375' & EOT @ ± 5367' clrc conventional to displ oil. Spot 6 bbis 15% HCL w/ 31 bbis K wtr. POOH. RU Schlumberger & RIH & perf zone E2 @ 5352-58' w/ 4 spf (24 holes). RU HES & bkdn perms @ 1530 psi. IR @ 8.8 bph @ 1900 psi. Frac w/ 9576 gal Boragel 30 w/ 44400# 20/40 sand @ avg rate of 25 bpm & avg press @ 2650 psi. MTP @ 3060 psi. ATP @ 2650 psi. MTR @ 27 bpm. ATR @ 25 bpm.

Flush w/ 128 bbis K wtr. ISIP @ 2950 psi. 5 min @ 1954 psi. 10 min @ 1851 psi. 15 min @ 1754 psi. RU Schlumberger & lub in hole w/ 5½' RBP & set @ 4800'. Bleed off well & press test to 300 psi. 0 loss in 5 min.

Perf zone C9 @ 4699-4702' w/ 4 spf (12 holes). Would not brk @ 3000 psi w/ dump bailer. Spot 15% HCL @ perms & bkdn @ 1800 psi. IR @ 4 bpm @ 2000 psi. Conduct step dwn test w/ 61 bbis K wtr. Pad 15 bpm @ 3075 psi, 13 bpm @ 2595 psi, 9½ bpm @ 2394 psi. ISIP 2356 psi.

Frac w/ 6174 gal Boragel 30 & 30300# 20/40 sand. MTP @ 4035 psi. ATP @ 3250 psi. MTR @ 22 bpm. ATR @ 20 bpm. Flush w/ 101 bbl K wtr. ISIP @ 2824 psi. 5 min @ 2488 psi. 10 min @ 2267 psi. 15 min @ 2063 psi.

Lub in RBP & set @ 4600'. Well would not bleed off. RBP would not test. Tag RBP w/ Wireline @ ± 4598'. RIH w/ add'l plug & set @ 4590'. This plg held @ 3000 psi.

Bail in 15% HCL w/ Wireline dump bailer @ _____. RD Wireline. Pump 252 gal HCL w/ 12 bbl K wtr. Spaced & frac w/ 6300 gal Boragel 30 & 31300# 20/40 sand. MTP @ 3856 psi. ATP @ 2500 psi. MTR @ 21 bpm. ATR @ 20 bpm. W/ 43 bbis of flush pad well. Screened out. ISIP @ 3856 psi. RD HES. Flow back 28 bbis fluid @ ± 60 bph. Well died. SWIFN.

STIMULATION TREATMENT:

FLUID:

| Fluid Task | Fluid Type | Amount | Unit |
|------------|------------|--------|------|
| frac fluid | Boragel 30 | 9576 | gal |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

| | | |
|-----------|------------|-----------------------|
| PROPPANT: | Type | Total Lbs: Ramp Range |
| 1 | 20/40 sand | 44400 |

| | | |
|----------------|----------|--------|
| PRESSURE/RATE: | | |
| Maximum: | 3060 psi | 27 BPM |
| Average: | 2650 psi | 25 BPM |

| | | | | |
|--------------|---------|------|---|----|
| SI PRESSURE: | | TP | | CP |
| | ISIP: | 2950 | | |
| | 5 Min: | 1954 | | |
| | 10 Min: | 1851 | 0 | |
| | 15 Min: | 1754 | 0 | |

STIMULATION TREATMENT:

| | | | |
|------------|------------|--------|------|
| FLUID: | | | |
| Fluid Task | Fluid Type | Amount | Unit |
| frac fluid | Boragel 30 | 6174 | gal |

| | | |
|-----------|------------|-----------------------|
| PROPPANT: | Type | Total Lbs: Ramp Range |
| 1 | 20/40 sand | 30300 |

| | | |
|----------------|----------|--------|
| PRESSURE/RATE: | | |
| Maximum: | 4035 psi | 22 BPM |
| Average: | 3250 psi | 20 BPM |

| | | | | |
|--------------|---------|------|--|----|
| SI PRESSURE: | | TP | | CP |
| | ISIP: | 2824 | | |
| | 5 Min: | 2488 | | |
| | 10 Min: | 2267 | | |
| | 15 Min: | 2063 | | |

STIMULATION TREATMENT:

| | | | |
|------------|------------|--------|------|
| FLUID: | | | |
| Fluid Task | Fluid Type | Amount | Unit |
| frac fluid | Boragel 30 | 6300 | gal |

| | | |
|-----------|------------|-----------------------|
| PROPPANT: | Type | Total Lbs: Ramp Range |
| 1 | 20/40 sand | 31300 |

| | | |
|----------------|----------|--------|
| PRESSURE/RATE: | | |
| Maximum: | 3856 psi | 21 BPM |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

| Activity Date | Daily Cost | Activity Description | | |
|---------------|------------|----------------------|----------------------|----------------|
| | | Average: | 2500 psi | 20 BPM |
| | | SI PRESSURE: | | TP CP |
| | | ISIP: | | 3856 |
| | | FLUID RECOVERY | | |
| | | ZONE BLF: | | 933 |
| | | ZONE BLFR: | | 28 |
| | | ZONE BLFTR: | | 905 |
| | | ZONE % REC: | | 3.% |
| | | WELL BLF: | | 1743 |
| | | WELL BLFR: | | 364 |
| | | WELL BLFTR: | | 1379 |
| | | WELL % REC: | | 20.9% |
| 6/10/97 | \$2,485.00 | PERFORATIONS: | | |
| | | 5516-5526 | Green River E (04) | 4 SPF 40 shots |
| | | 5388-5396 | Green River E (02.2) | 4 SPF 32 shots |
| | | 5352-5358 | Green River E (02) | 4 SPF 24 shots |
| | | 4699-4702 | Green River C (09) | 4 SPF 12 shots |
| | | 4564-4568 | Green River C (06.1) | 4 SPF 16 shots |
| | | WELLBORE: | | |
| | | 5897 | RTD | |
| | | 5900 | LTD | |
| | | 5831 | PBTD | |
| | | 5874 | CSA | |

Csg on vaccum. MU RBP ret tool & RIH & find TOS @ ± 3352'. Estb circ. Rev & clean out 1238' sand to RBP @ 4590'. Circ clean _____ plg & POOH. MU ret tool & RIH & find RBP #2 @ 4598'. Did not take tbg wgt & tbg did not "J" latch.

Chase RBP to TOS @ ± 4805' "J" on plg. Acid clean. POOH & LD plg. MU ret tool & RIH to TOS @ ± 4805'. Estb circ. Rev & clean out 95' sand to RBP #3 @ 4900'. Circ clean. Latch & rise & POOH w/ plg. MU ret tool for BVBP w/ PSN & RIH w/ EOT to ± 4489'. SWIFN.

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | |
|---------|------------|---|
| 6/11/97 | \$2,096.00 | PERFORATIONS: |
| | | 5516-5526 Green River E (04) 4 SPF 40 shots |
| | | 5388-5396 Green River E (02.2) 4 SPF 32 shots |
| | | 5352-5358 Green River E (02) 4 SPF 24 shots |
| | | 4699-4702 Green River C (09) 4 SPF 12 shots |
| | | 4564-4568 Green River C (06.1) 4 SPF 16 shots |
| | | WELLBORE: |
| | | 5897 RTD |
| | | 5900 LTD |
| | | 5831 PBTB |
| | | 5874 CSA |

SITP @ 0 psi. SICP @ 10 psi w/ EOT @ $\pm 4489'$. Cont RIH & find top of sand @ $\pm 5352'$. Estb circ. Rev & clean out 20' sand to 5372'. Pull EOT to 4554' & w/ PSN @ $\pm 4550'$.

RU & swb zones frac'd on 6-4-97. Made 20 runs in 4 hrs. 35 min. FL on 1st run @ surf. Last run @ 1800'. 1st sign of gas & oil @ run #4. 1st measurable oil @ run #8 w/ 37½ bbls. Swbd @ 16%. Last run oil cut @ 43%. Recv 19 bbls oil & 151 bbls wrt for TF @ 198 bbls. pH @ 9. Temp @ 105°.

RD swb equip. RIH to $\pm 5367'$ & circ to displ oil. Circ dwn 8' to BVBP @ $\pm 5375'$ cleaning off sand. Circ clean & latch & rise BVBP. POOH & set BVBP w/ top cup @ $\pm 4530'$. Pull EOT to $\pm 4480'$ & press test BVBP to 4500 psi. 0 press loss in 5 min. SWIFN.

FLUID RECOVERY

| | |
|-------------|-------|
| ZONE BLF: | 933 |
| ZONE BLFR: | 179 |
| ZONE BLFTR: | 754 |
| ZONE % REC: | 19.2% |
| WELL BLF: | 1743 |
| WELL BLFR: | 515 |
| WELL BLFTR: | 1228 |
| WELL % REC: | 29.5% |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------------|--|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--------------------|-------|----------|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--------------------|-------|---------|------|-----|------|-----|------|------|------|-----|
| 6/12/97 | \$29,271.00 | <p>PERFORATIONS:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5516-5526</td> <td style="width: 50%;">Green River E (04)</td> <td style="width: 10%;">4 SPF</td> <td style="width: 20%;">40 shots</td> </tr> <tr> <td>5388-5396</td> <td>Green River E (02.2)</td> <td>4 SPF</td> <td>32 shots</td> </tr> <tr> <td>5352-5358</td> <td>Green River E (02)</td> <td>4 SPF</td> <td>24 shots</td> </tr> <tr> <td>4699-4702</td> <td>Green River C (09)</td> <td>4 SPF</td> <td>12 shots</td> </tr> <tr> <td>4564-4568</td> <td>Green River C (06.1)</td> <td>4 SPF</td> <td>16 shots</td> </tr> <tr> <td>4474-4477</td> <td>Green River C (05.2)</td> <td>4 SPF</td> <td>12 shots</td> </tr> <tr> <td>4183-4185</td> <td>Green River B (11)</td> <td>4 SPF</td> <td>8 shots</td> </tr> </table> <p>WELLBORE:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5897</td> <td style="width: 80%;">RTD</td> </tr> <tr> <td>5900</td> <td>LTD</td> </tr> <tr> <td>5831</td> <td>PBTD</td> </tr> <tr> <td>5874</td> <td>CSA</td> </tr> </table> | 5516-5526 | Green River E (04) | 4 SPF | 40 shots | 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | 5352-5358 | Green River E (02) | 4 SPF | 24 shots | 4699-4702 | Green River C (09) | 4 SPF | 12 shots | 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | 4474-4477 | Green River C (05.2) | 4 SPF | 12 shots | 4183-4185 | Green River B (11) | 4 SPF | 8 shots | 5897 | RTD | 5900 | LTD | 5831 | PBTD | 5874 | CSA |
| 5516-5526 | Green River E (04) | 4 SPF | 40 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5352-5358 | Green River E (02) | 4 SPF | 24 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4699-4702 | Green River C (09) | 4 SPF | 12 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4474-4477 | Green River C (05.2) | 4 SPF | 12 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4183-4185 | Green River B (11) | 4 SPF | 8 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5897 | RTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5900 | LTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5831 | PBTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5874 | CSA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SITP & SICP @ 0 psi w/ EOT @ ± 4480'. Circ well w/ hot K wtr to disp residue oil. Pump 6 bbls 15% HCL & follow w/ 30 bbls K wtr to spot @ C5.2 perf area. POOH & LD BVBP. Ret tool.

RU Schlumberger & Wireline Serv & RIH w/ 4" gun & perf C5.2 int @ 4474-77' w/ 4 spf (12 holes). Bkdn perms @ 3000 psi & inj 14 bbls @ 9 bpm @ 2600 psi. ISIP @ 2300 psi. Frac w/ 10090 gal Boragel 30 w/ 29400# 20/40 sand @ .5 to 10 ppg. MTP @ 3186 psi. ATP @ 2400 psi. MTR @ 22 bpm. ATR @ 20 bpm. ISIP @ 2139 psi. 5 min @ 2039 psi. 10 min @ 2008 psi. 15 min @ 1957 psi.

W/ Schlumberger Wireline Serv lub in 5½" RBP & set @ 4240' & press test to 3000 psi. 0 loss in 5 min. Perf B11 int @ 4183-85' w/ 4 spf (8 holes). Would not brk. Bail in 15% HCL w/ WLS bailer. Bkdn @ 2600 psi & inject 2 bbls @ 4 bpm @ 2200 psi. RD Wireline Serv.

RU HES & frac w/ 250 gal 15% HCL & 10941 gal Boragel 30 w/ 30340# 20/40 sand from .5 - 10 ppg. MTP @ 3598 psi. ATP @ 2750 psi. MTR @ 22 bpm. ATR @ 20.5 bpm. ISIP @ 2340 psi. 5 min @ 2259 psi. 10 min @ 2185 psi. 15 min @ 2028 psi.

Following 15 min SI open well @ 4:00 PM & flow @ ± 60 bph until well dead. Enough to trip tbg @ 7:00 PM. Rec'd 113 bbls fluid. Did not detect any sand in returns. SWIFN.

STIMULATION TREATMENT:

FLUID:

| Fluid Task | Fluid Type | Amount | Unit |
|------------|------------|--------|------|
| frac fluid | Boragel 30 | 10090 | gal |

PROPPANT:

| Type | Total Lbs: | Ramp | Range |
|------|------------|------|-------|
| 1 | 29400 | | .5-10 |

PRESSURE/RATE:

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

Maximum: 3186 psi 22 BPM
Average: 2400 psi 20 BPM

SI PRESSURE: TP CP
ISIP: 2139
5 Min: 2039
10 Min: 2008
15 Min: 1957

STIMULATION TREATMENT:

FLUID:

| Fluid Task | Fluid Type | Amount | Unit |
|------------|------------|--------|------|
| frac fluid | Boragel 30 | 10941 | gal |

| PROPPANT: | Type | Total Lbs: | Ramp Range |
|-----------|------------|------------|------------|
| 1 | 20/40 sand | 30340 | .5-10 |

PRESSURE/RATE:

Maximum: 3598 psi 22 BPM
Average: 2750 psi 20.5 BPM

SI PRESSURE: TP CP
ISIP: 2340
5 Min: 2259
10 Min: 2185
15 Min: 2008

FLUID RECOVERY

| | |
|-------------|-------|
| ZONE BLF: | 625 |
| ZONE BLFR: | 113 |
| ZONE BLFTR: | 512 |
| ZONE % REC: | 18.1% |
| WELL BLF: | 2368 |
| WELL BLFR: | 628 |
| WELL BLFTR: | 1740 |
| WELL % REC: | 26.5% |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------------|--|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--------------------|-------|----------|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--------------------|-------|---------|------|-----|------|-----|------|------|------|-----|
| 6/13/97 | \$2,358.00 | <p>PERFORATIONS:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5516-5526</td> <td style="width: 50%;">Green River E (04)</td> <td style="width: 10%;">4 SPF</td> <td style="width: 20%;">40 shots</td> </tr> <tr> <td>5388-5396</td> <td>Green River E (02.2)</td> <td>4 SPF</td> <td>32 shots</td> </tr> <tr> <td>5352-5358</td> <td>Green River E (02)</td> <td>4 SPF</td> <td>24 shots</td> </tr> <tr> <td>4699-4702</td> <td>Green River C (09)</td> <td>4 SPF</td> <td>12 shots</td> </tr> <tr> <td>4564-4568</td> <td>Green River C (06.1)</td> <td>4 SPF</td> <td>16 shots</td> </tr> <tr> <td>4474-4477</td> <td>Green River C (05.2)</td> <td>4 SPF</td> <td>12 shots</td> </tr> <tr> <td>4183-4185</td> <td>Green River B (11)</td> <td>4 SPF</td> <td>8 shots</td> </tr> </table> <p>WELLBORE:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5897</td> <td style="width: 80%;">RTD</td> </tr> <tr> <td>5900</td> <td>LTD</td> </tr> <tr> <td>5831</td> <td>PBTD</td> </tr> <tr> <td>5874</td> <td>CSA</td> </tr> </table> | 5516-5526 | Green River E (04) | 4 SPF | 40 shots | 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | 5352-5358 | Green River E (02) | 4 SPF | 24 shots | 4699-4702 | Green River C (09) | 4 SPF | 12 shots | 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | 4474-4477 | Green River C (05.2) | 4 SPF | 12 shots | 4183-4185 | Green River B (11) | 4 SPF | 8 shots | 5897 | RTD | 5900 | LTD | 5831 | PBTD | 5874 | CSA |
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| 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5352-5358 | Green River E (02) | 4 SPF | 24 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4699-4702 | Green River C (09) | 4 SPF | 12 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4474-4477 | Green River C (05.2) | 4 SPF | 12 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4183-4185 | Green River B (11) | 4 SPF | 8 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5897 | RTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5900 | LTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5831 | PBTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5874 | CSA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SICP @ 25 psi. MU Schlumberger 5½" RBP ret tool & RIH & find top of sand @ ± 3948'. Estb rev circ & circ dwn 293' cleaning out sand to RBP @ 4240'. Circ clean (form giving up some sand). Lost no fluid w/ circ. Latch & rise RBP & POOH & LD pig & rod.

MU ret tool for 5½" BVBP & RIH & find top of sand @ ± 4470'. Estb circ. Rev & clean out 50' sand to ± 4520'. Circ clean. Pull EOT to ± 4169' & w/ PSN top @ ± 4165'.

RU swb & swb test B11 & C5.2 zones. Make 24 runs in 5 hrs 25 min. First noticeable gas & oil @ run #3. First measurable oil @ run #8 @ 8%. FL on first run @ surf. Last run @ 1900'. Oil cut last run @ 60%. Recv 49 bbls oil & 178 bbls wtr for TF of 227 bbls. Note: From run #14 to 15 FL came up from 2000' to 1500' & remained at that level for ± 6 runs. Fluid entry would be ± 28 bbls. Per hr avg @ 4 runs/hr @ 7 bbl/run. SWIFN.

FLUID RECOVERY

| | |
|-------------|-------|
| ZONE BLF: | 625 |
| ZONE BLFR: | 291 |
| ZONE BLFTR: | 334 |
| ZONE % REC: | 46.6% |
| WELL BLF: | 2368 |
| WELL BLFR: | 806 |
| WELL BLFTR: | 1562 |
| WELL % REC: | 34% |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | |
|---------|------------|--|
| 6/16/97 | \$5,677.00 | PERFORATIONS: 5516-5526 Green River E (04) 4 SPF 40 shots 5388-5396 Green River E (02.2) 4 SPF 32 shots 5352-5358 Green River E (02) 4 SPF 24 shots 4699-4702 Green River C (09) 4 SPF 12 shots 4564-4568 Green River C (06.1) 4 SPF 16 shots 4474-4477 Green River C (05.2) 4 SPF 12 shots 4183-4185 Green River B (11) 4 SPF 8 shots WELLBORE: 5897 RTD 5900 LTD 5831 PBTD 5874 CSA |
|---------|------------|--|

SITP @ 300 psi. SICP @ 250 psi. RIH w/ swb & find FL @ ± 1600'. Vent well w/EOT @ ± 4169'. RIH w/ BVBP ret tool to top of sand @ ± 4520'. Circ rev & clean out 10' sand to BVBP @ ± 4530'. Clean off plg. Circ clean, latch & rel plg & pull & set w/ TOP cup @ ± 2014'.

Spot 12 gal sand on BVBP & press test to 1500 psi. 0 loss. POOH & LD BVBP ret tool. MU open/close tool for HES. FO cmt port collar. RIH to port collar @ 1318'. Tools not working right. POOH & re-align tools for proper operation. RBIH & open port collar & est circ. Out 8-5/8" surf valve. Close port collar & press test to 1000 psi - OK. Pump 20 bbls wtr & follow w/ 130 sx 11# HiFill cement & pump test 1000 psi. Close port collar & reverse out excess cement. Test closure to 1000 psi. Held good. POOH & LD open/close rods. MU BVBP ret tool & RIH. EOT @ ± 1349'. Circ 170° wtr for 2 hrs. SWIFN.

FLUID RECOVERY

| | |
|-------------|-------|
| ZONE BLF: | 625 |
| ZONE BLFR: | 291 |
| ZONE BLFTR: | 334 |
| ZONE % REC: | 46.6% |
| WELL BLF: | 2368 |
| WELL BLFR: | 806 |
| WELL BLFTR: | 1562 |
| WELL % REC: | 34.0% |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | |
|---------|------------|---|
| 6/18/97 | \$3,273.00 | PERFORATIONS: |
| | | 5516-5526 Green River E (04) 4 SPF 40 shots |
| | | 5388-5396 Green River E (02.2) 4 SPF 32 shots |
| | | 5352-5358 Green River E (02) 4 SPF 24 shots |
| | | 4699-4702 Green River C (09) 4 SPF 12 shots |
| | | 4564-4568 Green River C (06.1) 4 SPF 16 shots |
| | | 4474-4477 Green River C (05.2) 4 SPF 12 shots |
| | | 4183-4185 Green River B (11) 4 SPF 8 shots |
| | | WELLBORE: |
| | | 5897 RTD |
| | | 5900 LTD |
| | | 5831 PBTD |
| | | 5874 CSA |

SITP @ 0 psi. SICP @ 0 psi. POOH w/ open ended tbg. RU SWS & log from 1400' to 150' w/ CBL. RD SWS. MU BVBP @ RIH to sand @ ± 2010'. Establish rev circ & clean off 12 gal sand & circ clean. Catch plug & open bypass (slight vacuum). Rel BVBP & POOH & LD. MU BHA for prod tbg & RIH. Stack out w/ EOT @ ± 5640'. Not enough room for adequate rat hole & still have perf'd sub below bottom set of perms. POOH & stnd back gas anchor. MU 2-7/8" notched collar & RIH w/ EOT above perms. SWIFN.

FLUID RECOVERY

| | |
|-------------|-------|
| ZONE BLF: | 625 |
| ZONE BLFR: | 291 |
| ZONE BLFTR: | 334 |
| ZONE % REC: | 46.6% |
| WELL BLF: | 2368 |
| WELL BLFR: | 806 |
| WELL BLFTR: | 1562 |
| WELL % REC: | 34.0% |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

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

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------|----------------------|--|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--------------------|-------|----------|-----------|--------------------|-------|----------|-----------|----------------------|-------|----------|-----------|----------------------|-------|----------|-----------|--------------------|-------|---------|------|-----|------|-----|------|------|------|-----|
| 6/19/97 | \$26,703.00 | <p>PERFORATIONS:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5516-5526</td> <td style="width: 50%;">Green River E (04)</td> <td style="width: 10%;">4 SPF</td> <td style="width: 20%;">40 shots</td> </tr> <tr> <td>5388-5396</td> <td>Green River E (02.2)</td> <td>4 SPF</td> <td>32 shots</td> </tr> <tr> <td>5352-5358</td> <td>Green River E (02)</td> <td>4 SPF</td> <td>24 shots</td> </tr> <tr> <td>4699-4702</td> <td>Green River C (09)</td> <td>4 SPF</td> <td>12 shots</td> </tr> <tr> <td>4564-4568</td> <td>Green River C (06.1)</td> <td>4 SPF</td> <td>16 shots</td> </tr> <tr> <td>4474-4477</td> <td>Green River C (05.2)</td> <td>4 SPF</td> <td>12 shots</td> </tr> <tr> <td>4183-4185</td> <td>Green River B (11)</td> <td>4 SPF</td> <td>8 shots</td> </tr> </table> <p>WELLBORE:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20%;">5897</td> <td style="width: 80%;">RTD</td> </tr> <tr> <td>5900</td> <td>LTD</td> </tr> <tr> <td>5831</td> <td>PBTD</td> </tr> <tr> <td>5874</td> <td>CSA</td> </tr> </table> | 5516-5526 | Green River E (04) | 4 SPF | 40 shots | 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | 5352-5358 | Green River E (02) | 4 SPF | 24 shots | 4699-4702 | Green River C (09) | 4 SPF | 12 shots | 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | 4474-4477 | Green River C (05.2) | 4 SPF | 12 shots | 4183-4185 | Green River B (11) | 4 SPF | 8 shots | 5897 | RTD | 5900 | LTD | 5831 | PBTD | 5874 | CSA |
| 5516-5526 | Green River E (04) | 4 SPF | 40 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5352-5358 | Green River E (02) | 4 SPF | 24 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4699-4702 | Green River C (09) | 4 SPF | 12 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4474-4477 | Green River C (05.2) | 4 SPF | 12 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4183-4185 | Green River B (11) | 4 SPF | 8 shots | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5897 | RTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5900 | LTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5831 | PBTD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5874 | CSA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

SITP @ 0 psi. csg on slight vacuum w/ EOT @ ± 4154'. Cont RIH to TOS W ± 5640'. Establish rev circ & clean out 191' sand to PBTD 5831'. Circ clean & POOH w/ tbg.

MU tbg prod'n BHA & RIH on 132 jts tbg. See tbg detail below. Strip off BOPE & install csg well head. Set TAC w/ top @ ± 4140-01'. Install tbg flange & land tbg w/ top of PSN @ ± 5539.71'.

All tbg 2-7/8" EUE 8rd 6.5# J-55. Csg flange 5 1/2" bottom x 3m tbg flange screwed onto 2-7/8" mech PSN w/ 2" x 1 1/4" x swage inside 6' x 2-7/8" perf'd sub & bottom 2 jts tbg in 12000# tension, TAC from Mountain States w/ required slips & 40000# shear pin valve.

NU tbg flange & install surface flow equip. 2-7/8" x2" x 1" x 3' pump tees, 1" & 2" nipples w/ 1" & 2" valves. x over to rod equip & prime Insert pump from Trico. Make up & single in on sucher rods. Space out rod string. Install polish rod w/ liner. Seat pump & fill tbg & test to 5000 psi w/ rig pump. Stroke pump to 1000 psi w/ rig. Install horse Head & hand rod string. Prepare to RD in A.M. SWIFN.

NOTE: It is highly possible zones E2 & E2.2 are communicated.

TUBING DETAIL

| | |
|-------------------------|---------|
| KB | 10.00 |
| Stretch | .92 |
| 6.5# J-55 Tbg (132 jts) | 4129.09 |
| B2 Tbg Anchor 5 1/2" | 2.75 |
| 6.5# J-55 Tbg (44 jts) | 1396.95 |
| 2-7/8" PSN | 1.10 |
| 6.5# J-55 Tbg (1 jt) | 29.22 |
| 2-7/8" mechanical PSN | .70 |
| Perf'd 2-7/8" tbg sub | 6.00 |
| 6.5# J-55 Tbg (2 jts) | 63.10 |

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6134

Well: Ute Tribal 19-04

GL 6124

County, St.: Duchesne UT

| Activity Date | Daily Cost | Activity Description | Elevation |
|---------------|------------|----------------------|-----------|
|---------------|------------|----------------------|-----------|

| | | |
|----------------------------|-----|---------|
| 2-7/8" collar w/ blow plug | .75 | |
| EOT | | 5640.58 |

ROD DETAIL

1½" x 22' PR w/ liner
 7/8" x 2' pony rods (2)
 7/8" x 8' pony rod (1)
 7/8" slick rods (77)
 3/4" x 25' slick rods (88)
 3/4" rods (ea. 4th rod from btm guided-14 ft)
 2½" x 1-3/4" x 17' 40 ring PA

6/20/97 \$545.00 PERFORATIONS:

| | | | |
|-----------|----------------------|-------|----------|
| 5516-5526 | Green River E (04) | 4 SPF | 40 shots |
| 5388-5396 | Green River E (02.2) | 4 SPF | 32 shots |
| 5352-5358 | Green River E (02) | 4 SPF | 24 shots |
| 4699-4702 | Green River C (09) | 4 SPF | 12 shots |
| 4564-4568 | Green River C (06.1) | 4 SPF | 16 shots |
| 4474-4477 | Green River C (05.2) | 4 SPF | 12 shots |
| 4183-4185 | Green River B (11) | 4 SPF | 8 shots |

WELLBORE:

| | |
|------|------|
| 5897 | RTD |
| 5900 | LTD |
| 5831 | PBTD |
| 5874 | CSA |

Finish clamp off & hang rod string. Clean sand out of swb tank & rig tank. Clean locn. RD rig & equip. MO to 19-05. FINAL REPORT.

TWTR 1562 bbls.

Cumulative Cost: \$155,436.00

Days Since Start: 17

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
14-20-H62-3514

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

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

8. FARM OR LEASE NAME

9. WELL NO.
Ute Tribal 19-04

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

11. SEC., T., R., M., OR BLOCK AND
SURVEY OR AREA
NWNW Sec. 19-T5S-R3W

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

2. NAME OF OPERATOR
Petroglyph Operating Company, Inc.

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

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 458' FNL 996' FWL

At top prod. interval reported below

At total depth 5897' RTD

CONFIDENTIAL

14. PERMIT NO.
43-013-31843

DATE ISSUED
3/17/97

12. County or Parish
Duchesne

13. State
Utah

15. DATE SPUDDED 5/13/97

16. DATE T.D. REACHED 5/19/97

17. DATE COMPLETED (Ready to prod.)
6/20/97

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*
6125' GL

19. ELEV. CASINGHEAD
6125'

20. TOTAL DEPTH, MD & TVD
5897' RTD

21. PLUG BACK T.D., MD & TVD
5830'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

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

Green River

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

27. WAS WELL CORED

28. CASING RECORD (Report all strings set in well)

| CASING SIZE | WEIGHT, LB./FT. | DEPTH SET (MD) | HOLE SIZE | CEMENTING RECORD | AMOUNT PULLED |
|-------------|-----------------|----------------|-----------|---------------------|---------------|
| 8-5/8" | 24# | 272' | 12-1/4" | 200 sxs Type 5 | |
| 5-1/2" | 15-5# | 5874' | 7-7/8" | 105 sxs Highfill | |
| | | | | 345 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" | 5641' | |

31. PERFORATION RECORD (Interval, size and number)

E4 5516-26 (40 shots) B11 4183-85 (8 shots)
E2.2 5388-96 (32 shots)
E2 5352-58 (24 shots)
C9 4699-4702 (12 shots)
C6.1 4564-68 (16 shots)
C5.2 4474-77 (12 shots)

CONFIDENTIAL

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

| DEPTH INTERVAL (MD) | AMOUNT AND KIND OF MATERIAL USED |
|---------------------|---|
| 5388-96 | 7990 gal Boragel, 43500# 20/40 prop |
| 5352-58 | 9576 gal Boragel, 44400# 20/40 prop |
| 4699-4702 | 6174 gal Boragel, 30300# 20/40 prop |
| 4564-68 | 6300 gal Boragel, 31300# sxs 20/40 prop |
| 4474-77 | 10090 gal Boragel, 29400# 20/40 prop |

33. PRODUCTION

| DATE FIRST PRODUCTION | PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) | WELL STATUS (Producing or shut-in) | | | | | |
|-----------------------|--|------------------------------------|------------------------|---------------------|--------------|---------------------------|---------------|
| 7/31/97 | 2 1/2" x 1-3/4" x 17' 40 ring pressure activated plunger pump | producing | | | | | |
| DATE OF TEST | HOURS TESTED | CHOKE SIZE | PROD'N FOR TEST PERIOD | OIL - BBL. | GAS - MCF. | WATER - BBL. | GAS-OIL RATIO |
| 8/5/97 | 24 | | | 82 | 25 | 22 | |
| FLOW. TUBING PRESS. | CASING PRESSURE | CALCULATED 24 HR. RATE | OIL - BBL. | GAS - MCF. | WATER - BBL. | OIL GRAVITY - API (CORR.) | |
| | 1000 | | | CONFIDENTIAL | | | |

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

PERIOD
EXPIRED

TEST WITNESSED BY

Dave Schreiner

35. LIST OF ATTACHMENTS

ON 7.31.98

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

Signed

L. Carina Bell

Title

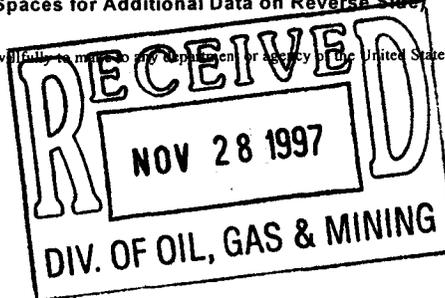
Operations Coordinator

Date

11-25-97

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

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



CONFIDENTIAL

Well Completion 19-04 (cont'd)

32.

| | |
|---------|--------------------------------------|
| 4183-85 | 10941 gal Boragel, 30340# 20/40 prop |
| 5516-26 | 8880 gal Boragel, 51900# 20/40 prop |

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

38. GEOLOGIC MARKERS

| FORMATION | TOP | BOTTOM | DESCRIPTION, CONTENTS, ETC. | NAME | TOP | |
|---------------|------|--------|-----------------------------|------|-------------|------------------|
| | | | | | MEAS. DEPTH | TRUE VERT. DEPTH |
| B Marker | 3746 | | CONFIDENTIAL | | | |
| X Marker | 4232 | | | | | |
| Y Marker | 4265 | | | | | |
| Douglas Creek | 4374 | | | | | |
| B Limestone | 4754 | | | | | |
| Castle Peak | 5327 | | | | | |

ENTITY ACTION FORM

Operator: Petroglyph Operating Company
Address: P.O. Box 607 Roosevelt
city Roosevelt
state UT zip 84066

Operator Account Number: N 3800
Phone Number: (435) 722-2531

Well 1

| API Number | Well Name | | QQ | Sec | Twp | Rng | County |
|--|-----------------------|-------------------|-----------|-----|-----|----------------------------------|----------|
| 4301331843 | Ute Tribal 19-04 | | NWSE | 19 | 5S | 3W | Duchesne |
| Action Code | Current Entity Number | New Entity Number | Spud Date | | | Entity Assignment Effective Date | |
| C | 12211 | 12210 | | | | 5/1/2001 | |
| Comments: The Ute Tribal 19-03 Tank Battery has been discontinued and the flow line of the Ute Tribal 19-04 moved to the Ute Tribal 19-06 Tank Battery. Where all Oil, water, and gas production will be measured. <i>5-8-01</i> | | | | | | | |

Well 2

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

Well 3

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

ACTION CODES:

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

Micheal R. Safford

Name (Please Print)

Signature

Operations Coordinator

Title

5/7/2001

Date

RECEIVED

(5/2000)

MAY 08 2001

DIVISION OF
OIL, GAS AND MINING