

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG \_\_\_\_\_ ELECTRIC LOGS \_\_\_\_\_ FILE  WATER SANDS \_\_\_\_\_ LOCATION INSPECTED \_\_\_\_\_ SUB. REPORT/abd. \_\_\_\_\_

DATE FILED **8-21-89**

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO \_\_\_\_\_ PUBLIC LEASE NO \_\_\_\_\_ INDIAN **14-20-H62-4452**

DRILLING APPROVED: **8-31-89 (EXCEPTION LOCATION)**

SPUDDED IN: \_\_\_\_\_

COMPLETED: **10-9-91 LA** PUT TO PRODUCING: \_\_\_\_\_

INITIAL PRODUCTION: \_\_\_\_\_

GRAVITY A.P.I. \_\_\_\_\_

GOR: \_\_\_\_\_

PRODUCING ZONES: \_\_\_\_\_

TOTAL DEPTH: \_\_\_\_\_

WELL ELEVATION: \_\_\_\_\_

DATE ABANDONED: **LA'D PER BLM EFF 10-9-91**

FIELD: **DUCHESNE**

UNIT: \_\_\_\_\_

COUNTY: **DUCHESNE**

WELL NO **UTE TRIBAL 1-19D** API NO. **43-013-31244**

LOCATION **2067' FNL** FT. FROM (N) (S) LINE, **1757' FEL** FT. FROM (E) (W) LINE **SWNE** 1/4 - 1/4 SEC. **19**

| TWP. | RGE | SEC | OPERATOR | TWP       | RGE       | SEC       | OPERATOR                    |
|------|-----|-----|----------|-----------|-----------|-----------|-----------------------------|
|      |     |     |          | <b>4S</b> | <b>4W</b> | <b>19</b> | <b>COORS ENERGY COMPANY</b> |



P.O. BOX 467 GOLDEN, COLORADO 80402

August 16, 1989

State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

Attn: Mr. Ron Firth

Dear Mr. Firth:

Coors Energy Company is requesting an exception to the well spacing requirement by drilling the Ute Tribal 1-19D 1757'FEL and 2067'FNL in Section 19, T4S-R4W.

The proposed location was selected due to topography and creating a minimum of surface disturbances.

Coors Energy is the lessee of all lands with a 460' radius of the proposed location and lessee of all lands in Section 19, T4S-R4W.

If you have any further questions or need any more information, please let us know. Our phone number is (303) 278-7030.

Thank you for your consideration.

Very truly yours,

D. S. Sprague  
Manager, Engineering Services

DSS:kr

**RECEIVED**  
AUG 21 1989

DIVISION OF  
OIL, GAS & MINING



August 16, 1989

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Minerals Division  
Vernal, Utah 84078

Attn: Mr. Cody Hansen

Dear Cody:

Coors Energy Company is requesting permission to drill the following well:

Ute Tribal 1-19D  
Section 19, T4S-R4W  
Duchesne County, Utah

Copies of this application are also being sent to:

Ute Tribal Headquarters in Fort Duchesne  
BIA in Fort Duchesne  
State of Utah in Salt Lake  
Jim Simonton, Coors' office in Roosevelt

If you find this application lacking in any way, please contact us at  
(303) 278-7030. Thank you for your consideration.

Very truly yours,

D. S. Sprague  
Manager, Engineering Services

DSS:kr

Attachments

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

|   |                |                 |   |                    |
|---|----------------|-----------------|---|--------------------|
| <p><b>APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK</b></p>   |                |                 | <p>5. Lease Designation and Serial No.<br/><b>14-20-H62-4452</b></p> <p>6. If Indian, Allottee or Tribe Name<br/><b>Ute Tribe</b></p> <p>7. Unit Agreement Name<br/>-----</p> <p>8. Farm or Lease Name<br/><b>Ute Tribal</b></p> <p>9. Well No.<br/><b>1-19D</b></p> <p>10. Field and Pool, or Wildcat<br/><input checked="" type="checkbox"/> <b>Duchesne (090)</b></p> <p>11. 00, Sec., T., R., N., or Blk. and Survey or Area<br/><b>Sec. 19, T4S-R4W, SW/NE</b></p> <p>12. County or Parrish<br/><b>Duchesne</b></p> <p>13. State<br/><b>Utah</b></p> |                    |
| <p>1a. Type of Work<br/><b>DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/></b></p> <p>b. Type of Well<br/>Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/></p> <p>2. Name of Operator<br/><b>Coors Energy Company</b></p> <p>3. Address of Operator<br/><b>PO Box 467, Golden, Colorado 80402</b></p> <p>4. Location of Well (Report location clearly and in accordance with any State requirements.)*<br/>At surface<br/><b>2067' FNL, 1757' FEL, SW/NE</b><br/>At proposed prod. zone<br/><b>same</b></p> <p>14. Distance in miles and direction from nearest town or post office*<br/><b>3 miles south of Duchesne, Utah</b></p> <p>15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any)<br/><b>573'</b></p> <p>16. No. of acres in lease<br/><b>318.61</b></p> <p>17. No. of acres assigned to this well</p> <p>18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.<br/><b>none</b></p> <p>19. Proposed depth<br/><b>7700' Green River</b></p> <p>20. Rotary or cable tools<br/><b>rotary</b></p> <p>21. Elevations (Show whether DF, RT, GR, etc.)<br/><b>6141' GL</b></p> <p>22. Approx. date work will start*<br/><b>October, 1989</b></p> |                |                 |   |                    |
| <p><b>PROPOSED CASING AND CEMENTING PROGRAM</b></p>   |                |                 |   |                    |
| Size of Hole  | Size of Casing | Weight per Foot | Setting Depth   | Quantity of Cement |
| <p><b>See attached drilling program for details.</b></p>  |                |                 |   |                    |

See attached application for details.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: *D. C. Spang* Title: Manager, Engineering Date: 8-17-89

(This space for Federal or State office use)

API NO. 43-013-31244 Approval Date \_\_\_\_\_

Approved by \_\_\_\_\_ Title \_\_\_\_\_

Conditions of approval, if any: \_\_\_\_\_

**APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING**  
 DATE: 8-31-89  
 BY: John R. Base  
 WELL SPACING: R65-3-3

\*See Instructions On Reverse Side



CONDITIONS OF APPROVAL FOR NOTICE TO DRILL  
WITHIN THE UINTAH OURAY RESERVATION

Company Coors Energy Company Well No. 1-19D  
Location SW/NE Sec. 19, T 4S R 4W Lease No. 14-20-H62-4452

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. 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. and individual components shall be operable as designed.

2. Casing Program and Auxiliary Equipment

Surface casing shall have centralizers on every fourth joint of casing starting with the shoe joint and up to the bottom of the cellar.

Usable water may be encountered from +50-200 ft., +726-1326 ft. and +1726-1926 ft. in the Uinta Formation and from +2826-3326 ft. and +2826-3326 ft. in the Green River formation. The Mahogany oil shale and L1 oil shale have been identified from +2840-3070 ft. and +3140-3240 ft. respectively. Therefore, the resources will be isolated and/or protected via the cementing program for the intermediate casing by having a cement top for the intermediate casing at least 200 ft. above the oil shale.

3. Coring, Logging and Testing Program

All Drill stem tests (DST) shall be accomplished during daylight hours unless specific approval to start during other hours is obtained from the Authorized Officer. Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the Authorized Officer.

A cement bond log (CBL) shall be utilized to determine the top of cement (TOC) for the intermediate and production casing. The CBL is to be run without any additional pressure applied to the casing.

Revised October 1, 1985

Date NOS Received 6-22-89

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

Company/Operator Coors Energy Company

Well Name & Number Ute Tribal #1-19D

Lease Number 14-20-H62-4452

Location SW 1/4 NE 1/4 Sec. 19 T. 4S R. 4W

Surface Ownership Private: E. Lee Friedrich

B. THIRTEEN POINT SURFACE USE PROGRAM:

1. Planned Access Roads

The operator/lessee or his successor shall be responsible for all maintenance on cattleguards or gates associated with this oil and/or gas operation.

2. Location of Existing and/or Proposed Facilities

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted Desert Brown 10-YR 6/3.

3. Methods for Handling Waste Disposal

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

4. Plans for Restoration of Surface

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

GREEN RIVER FORMATION - DUCHESNE COUNTY, UTAH  
DRILLING PROGRAM

Ute Tribal 1-19D  
Section 19, T4S-R4W, SW/NE  
Duchesne County, Utah  
Lease No. 14-20-H62-4452

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

All lease operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR Part 3160), Onshore Oil and Gas Orders, and the approved plan of operations. Coors Energy is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished Jim Simonton, Coors Energy field supervisor, to insure compliance.

DRILLING PROGRAM

The duration of drilling operations for this well will be approximately 30 days.

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

This well will be spudded in the Uinta Formation. Oil and Gas is expected in the Green River and/or Wasatch Formations. No aquifers or other mineral zones are anticipated. The following formation tops and their estimated depths are expected to be encountered in the drilling of this well.

Tgrudc 4830', Base B Lime 5285', Castle Peak 5825', TD 7700'.

Fresh water may be encountered at depths of  $\pm$  200-600' and  $\pm$  900-1100' in the Uinta Formation, and from  $\pm$  1300-1600',  $\pm$  3400-3700' and  $\pm$  6500-6900' in the Green River Formation.

The Mahogany oil shale zone has been identified from  $\pm$  3411-3611'. Therefore, the above resources will be isolated and/or protected via the cementing program for the production casing by having a cement top for the production casing at least 200 feet above the oil shale.

Coors Energy will report ALL water shows and water-bearing sands to Tim Ingwell of the BLM, Vernal. Copies of State of Utah form OGC-8-X are acceptable. If noticeable water flows are detected, Coors Energy will submit samples to the BLM, Vernal, along with any water analyses conducted.

All fresh 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, See Exhibit "I"

Coors Energy's pressure control equipment will consist of 3000 psi double rams and an annular preventer. The BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment specifications and testing procedures. See Exhibit "I" - Blowout Prevention Equipment (diagram on front side of exhibit) and the configuration drawing of 3M Choke Manifold Equipment on the backside of the exhibit.

Ram preventers will be tested to a minimum of 70% of the internal yield of the casing. Annular preventers will be tested to 50% of internal yield of casing. Pressures will be maintained at least 10 minutes.

Tests will be conducted when initially installed, following repairs and at 30 day intervals. Tests will be done prior to drilling out from under all casing strings cemented in place.

Rams will be operated at least daily and recorded on daily drilling reports.

Well control equipment will also consist of a float run in the drill string, and a full opening valve to fit the drill string will be on the rig floor at all times. Kelly cock valves will be used.

No abnormal temperature, pressures or potential hazards are expected. Maximum expected BHP is 4500 psi in the Wasatch Formation.

Coors Energy will notify the Vernal District Office with sufficient lead time in order to have a BLM OA present to witness pressure testing.

3. Casing Program and Auxiliary Equipment

Coors Energy will use the following casing and cementing program for this well:

| <u>Size of Hole</u> | <u>Size of Csg</u> | <u>LBS/FT</u>       | <u>Setting Depth</u> | <u>QTY OF CEMENT</u>                          |
|---------------------|--------------------|---------------------|----------------------|---|
| 14-3/4"             | 10-3/4"            | 40.50# J55 STC      | 650'                 | 560 sks., circ. cmt. to surf.                 |
| 9-7/8"              | 7-5/8"             | 26.40/29.70 N80 LTC | 6520'                | 320 sks. low-density & 1000 sks. 50/50 pozmix |
| 6-3/4"              | 5" liner           | 15.00# N80 LTC      | 7700'                | 110 sks. Class H                              |

All casing is new with 8 round threads. All casing strings below conductor will be pressure tested to 0.22 psi per foot of setting depth or 1500 psi, whichever is greater, but not to exceed 70% of internal yield.

Coors Energy will notify the Vernal District Office, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

#### 4. Mud Program and Circulating Medium

The proposed circulating medium will be brine water with additives as needed to control mud properties and bottom hole pressures to intermediate casing seat. Below intermediate, a low solids fresh system will be used.

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.

Mud properties will be checked daily to ensure an adequate mud system is maintained.

#### 5. Coring, Logging and Testing Program

Coors Energy will send drilling and completion progress reports to the Vernal District Office on a timely basis.

Sidewall coring & drill stem tests may be run in potential pay zones. DLL (Dual Laterolog) with micro D-N (Density Neutron) and dipmeter or FMS logs will be run from TD to 1500'. Coors Energy reserves the right to change the logging program.

Any Drill Stem tests (DST) that may be run, shall be accomplished during daylight hours. 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.

A cement bond log (CBL), or some other means acceptable to the authorized officer, shall be utilized to determine the top of cement (TOC) for the intermediate and production casing.

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. 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 authorized officer (AO).

#### 6. Notifications of Operations

No locations 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.

Coors Energy will report the spud date orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day. The oral report will be followed up with a Sundry Notice.

Coors Energy 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.

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 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of a District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MCF 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.

Coors Energy shall submit a schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 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.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

No well abandonment operations will be commenced by Coors Energy 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 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.

Pursuant to Onshore Oil and Gas Orders, Coors Energy has the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

#### 7. Other Information

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

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

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

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried or anchored down from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

In addition, the use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3.

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

Sundry notices (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."

Coors Energy understands that 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.

If Coors Energy fails to comply with this requirement in the manner and time allowed, Coors Energy will 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 of Title 43 CFR 3162.4-1(b)(5)(ii).

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

In the event after-hour approvals are necessary, Coors Energy will contact one of the following individuals:

Gerald E. Kenczka (801) 781-1190  
Petroleum Engineer

Ed Forsman (801) 789-7077  
Petroleum Engineer

MULTIPOINT SURFACE USE PLAN  
COORS ENERGY COMPANY  
UTE TRIBAL 1-19D  
SECTION 19, T4S-R4W, SW/4NE/4  
DUCHESNE COUNTY, UTAH  
LEASE NO. 14-20-H62-4452

Coors Energy Company will assure that this APD will be posted in the doghouse of the drilling rig during the drilling of this well. Also, a sign will be posted at the entrance to the location with the name of the well, operator and location description. We will notify Ralph Brown or Tim O'Brien at the BLM in Vernal, Utah between 24 and 48 hours prior to beginning any work on this land. Prior to starting surface construction operations, the dirt contractor shall have a completed approved copy of this APD.

1. EXISTING ROADS - See Exhibits B, C, D, D1

Access to the Coors Ute Tribal 1-19D begins at the City of Duchesne, Utah, and proceeds along the following roads with approximate mileages as follows:

Proceed easterly on Highway 40 for approximately 3.2 miles to a dirt road to the right, proceed southerly along this road for approximately 2.7 miles to an intersection, proceed thru the intersection and travel south approximately 0.2 miles to another intersection, at this point turn left and proceed on this road for approx. 0.3 miles to another intersection and turn right, drive westerly on this road for approx. 0.5 miles to an intersection, then turn left (south) and proceed on this existing road for 0.6 miles, then onto the access road for another 0.7 miles to the west and to the well site.

Road maintenance for the 4.3 miles of road running southerly from Highway 40 will be shared by a Coors Energy Company subcontractor and Duchesne County. Maintenance will consist of periodic grading and repairs to the surface. During summer months, a watering program will be used to control dust. Rain and other inclement weather may require repairs to turnouts, waterbars, etc.

Materials for upgrading the existing road will come from the immediate area of road improvement work.

Upgraded existing roads will be constructed with an 18' road surface with bar ditches and water bars where required. Not over 30' will be cleared to upgrade any existing roads.

2. PLANNED ACCESS ROAD - See Exhibits B, C, D, D1

The access road will be approximately 0.7 miles long and will have a 30' ROW with an 18' running surface maximum. The maximum grade will be 8% and, no turnouts are required. No culverts or bridges are required nor are gates, turnouts, cattle guards or fence cuts. Some side hill cuts may go outside the 30' ROW. Any drainage will be made with barrow ditches. Source of surfacing material will be from the access road soils and subsoils. All travel will be confined to existing access road rights-of-way. The access road surface owner is E. Lee Friedrich.

The road will be upgraded to meet standards of the anticipated traffic flow, including ditching on both sides with cutouts on downhill side, draining, crowning and capping for all weather conditions. Prior to upgrading, any snow will be removed and the ground allowed to dry. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals with cutouts. Upgrading will not be done during muddy conditions and mud holes will be filled in.

Access roads and surface disturbing activities will conform to standards outlined in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development.

3. LOCATION OF EXISTING WELLS - See Exhibit E

Within a 1-mile radius of this proposed well, there is one (1) shut in well:

Ute Tribal 2-18D

With the exception of the above mentioned wells, there are no:

- a) known water wells
- b) temporarily abandoned wells
- c) disposal wells
- d) injection wells
- e) monitoring or observation wells

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES - See Exhibit B

Coors Energy Company's surface production facilities in this area will consist of a pump jack, two 400-bbl. tanks, a glycol boiler, and a 3-phase separator facility with a waste water storage tank. If the well is a producer, at the time of well completion, a Sundry Notice along with a drawing of the production facilities will be submitted to the BLM by our Vernal office for approval.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES - See Exhibit B  
Continued

All production facilities will be located on the east side of the well pad between Points 6 and 7 and will be painted in earth colors such as Desert Brown (10YR.6/3), unless specified differently by the surface owner, within six (6) months of when they are put in place. If a tank battery is constructed on this site, a berm will be built around the tank battery high enough to contain 1-1/2 times the storage capacity of the battery. Tank battery approval will be submitted on a Sundry Notice, if the well is a producer.

For drilling operations, a survey map showing rig layout is attached. See Exhibit "B". All necessary surface equipment will be spotted on the 325' x 235' well site pad. Access to the well pad will be on the southeast side of the location between pts 8 & 9.

A flare pit will be located 75' from the pit fence and 150' from the rig substructure on the northeast sides of the location between Pts. 6 & 7. If any fluids go to the flare pit, they will be removed within 48 hours.

5. LOCATION AND TYPE OF WATER SUPPLY - See Exhibit F

The source of the water used to drill this well will be from Curry Leasing. Water will be taken from the Duchesne River on the east end of Duchesne. Approximately 6000 bbls of water will be required to drill and complete this well. The Temporary Change Application No. is t88-43-11, updated on 11/9/88. Application A60177 is heretofore referenced from Water Right 43-9594.

6. SOURCE OF CONSTRUCTION MATERIALS - See Exhibit B

The top 6" of topsoil will be removed from the well pad and stored on the northeast end of the location between Pts. 6 & 7 as shown on Exhibit "B". Fill materials needed to construct the location will be derived locally from cuts needed to build the well pad or from the access road. Any artifacts found on Tribal lands will be left in place and the BIA promptly notified.

If fill materials are needed to construct roads or well sites, proper permits must be obtained from the Surface Management Agency, unless materials are obtained from a private source.

7. METHODS FOR HANDLING WASTE DISPOSAL - See Exhibit B

A mud reserve pit will be located on the northwest side of the location between points A & B and will be constructed for containment of drill cuttings as well as all drilling fluids and produced fluids. The reserve pit will be lined with a minimum of 10 mil nylon reinforced plastic liner with sufficient bedding to cover any rocks. The liner will overlap the pit walls and be held in place with rocks or dirt.

7. METHODS FOR HANDLING WASTE DISPOSAL - See Exhibit B  
Continued

During production operations, all produced waters will be disposed of according to NTL-2B stipulations.

Produced waste water will be confined to a storage tank. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

The reserve pit will be allowed to dry and then back-filled and the area restored according to BLM requirements upon completion of the well.

A soil compacted earthen dike will be placed on the west and northwest sides of the reserve pit.

All garbage and trash will be placed in a trash cage and hauled to an appropriate disposal site. No burning of any trash will occur at the location. A chemical toilet will be installed during drilling operations. Any disturbed area not required for producing operations will be restored according to BLM instructions. The production facilities will create no additional surface disturbances.

Trash, litter and construction materials will not be littered along road ways or drilling sites.

8. ANCILLARY FACILITIES

Camp facilities or airstrips will not be required.

9. WELL SITE LAYOUT - See Exhibit B

Attached is a diagram showing the proposed well site layout.

All pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off the location. Any hydrocarbons on the pit will be removed from the pit as soon as possible after drilling operations are completed. Pits will be fenced and maintained until clean-up.

The fence will be constructed as prescribed in the USGS Publication (1978) Surface Operating Standards for Oil and Gas Development. Alternatives to the prescribed standards shall be submitted to the Authorized Officer for approval.

The reserve pit will be located on the northwest side of location between pts A & B. The stockpiled topsoil will be stored on the northeast side between Points 6 & 7. Access to the well pad will be made from the east side between points 8 & 9.

9. WELL SITE LAYOUT - See Exhibit B  
Continued

Coors Energy Company contacted Mr. Dale Workman at the Utah State University Extension Office at (801) 738-2080 regarding weed control on the well site and along access roads. We were informed that the following weeds are prevalent to this area: Nap Weed, White Top, Quack Grass, Canadian Thistle, Musk Thistle, Leafy Spurge, and Morning Glory. We will follow their recommended procedure and spray with the suggested chemicals to control noxious weeds in these areas.

10. PLANS FOR RESTORATION OF SURFACE - See Exhibit B

Surface vegetation scraped off during drill site preparation will be removed and stock-piled prior to topsoil removal. Upon abandonment, vegetation will be redistributed as a mulching agent over the well site. All disturbed areas will be recontoured to the approximate natural contours. The top 6" of topsoil will be stock-piled on the northeast side of the well site as shown on Exhibit "B", between Pts. 6 & 7.

The original surface will be reconstructed as close as possible upon abandonment. The stock-piled topsoil will be spread over the area. Any solid waste material present prior to abandonment will be removed from the location. Any oil or deleterious liquids will be removed by a pump truck to an approved disposal area.

Before any dirt work to restore the location takes place, the reserve pit will be completely dry and all trash will be removed. The access road will also be blocked during restoration. The reserve pit and that part of the location not needed for production will be reclaimed in the same manner outlined in this section within 90 days from date of well completion. The location and surrounding area will be cleared of all debris, materials, trash, junk and equipment not required for production.

Prior to reseeding, all disturbed areas including the access road, will be scarified and left with a rough surface.

The topsoil will be tested to determine if fertilizer is needed to re-establish vegetation. After spreading the stock-piled topsoil, the following seed mixture will be used for reseeding:

|                          |                            |
|--------------------------|----------------------------|
| Smooth brome (Manchar)   | 5 lbs. pure live seed/acre |
| Orchard grass            | 5 lbs. pure live seed/acre |
| Timothy                  | 5 lbs. pure live seed/acre |
| Intermediate wheat grass | 5 lbs. pure live seed/acre |
| Alsike clover            | 1 lb. pure live seed/acre  |

This mixture will be drilled to a depth of one-half inch and planted at a time specified by the Private Surface Owner. This seeding program will be modified as per Private Surface Owner instruction at the time of site restoration. If seeding is unsuccessful, the operator may be required to make subsequent seedings. All seeding will be done from September 15th until the ground freezes.

10. PLANS FOR RESTORATION OF SURFACE - See Exhibit B  
Continued

Coors will notify Mr. Friedrich 48 hours prior to starting rehabilitation procedures.

11. SURFACE OWNERSHIP, See Exhibit J

E. Lee Friedrich has 100% surface ownership of the location of the Ute Tribal 1-19D well site. Attached is a copy of the Private Owner's Surface Agreement.

12. OTHER INFORMATION - See Exhibit G, I, K

The Ute Tribal 1-19D is located approximately 3 miles south of Duchesne, Utah on the Uintah and Ouray Indian Reservation. The area is covered with native sagebrush. A Threatened and Endangered Species Study is attached to this application.

The operator or his contractor shall contact the BLM and the BIA offices at (801) 789-1362 (BLM) and (801) 722-2406 (BIA) between 24 and 48 hours prior to construction activities. Contact Ralph Brown or Tim O'Brien.

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

If, during operations, any archaeological or historical sites, or any object of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites are to be suspended and the discovery reported promptly to the BIA & BLM.

An archeological report is in the process of being obtained by Jim Simonton, field supervisor, and will be sent under separate cover upon our receipt.

Since this well is on the Uintah and Ouray Indian Reservation, Coors will work closely with Ute Tribal representatives to ensure all Tribal requirements for drilling and production operations of this well are followed. See attached Exhibit "K", Ute Tribal Notice, stating their requirement when traversing or operating on Ute Indian Lands.

It is Coors Energy Company's policy that no Coors' employees nor subcontractors carry firearms on access roads nor onto the location during drilling or well completion operations of this well. No alcoholic beverages or drugs will be permitted on Coors' operations on Indian lands. No prospecting will be allowed on Coors' operations.

A drawing of the BOP to be used on this well is included as part of this application, See Exhibit "I".

Multipoint Surface Use Plan  
Coors Energy Company  
Ute Tribal 1-19D  
Page 7

13. LESSEE'S OR OPERATORS REPRESENTATIVE AND CERTIFICATION REPRESENTATIVE

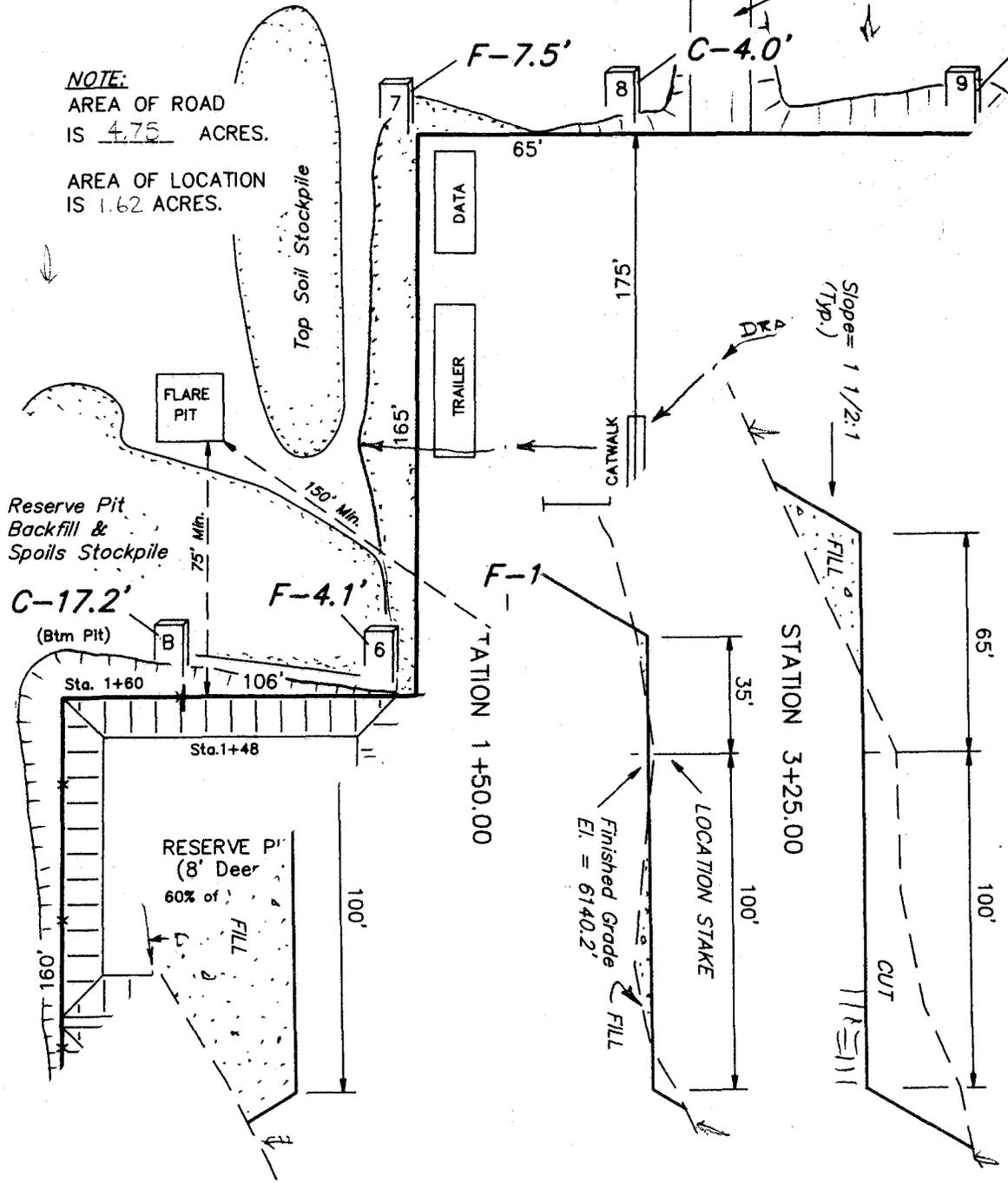
Doug Sprague  
Manager, Engineering Services  
Coors Energy Company  
P.O. Box 467  
Golden, Colorado 80402  
Phone: (303) 278-7030

CERTIFICATION

See Exhibit "H"

KR

**NOTE:**  
 AREA OF ROAD  
 IS 4.75 ACRES.  
 AREA OF LOCATION  
 IS 1.62 ACRES.

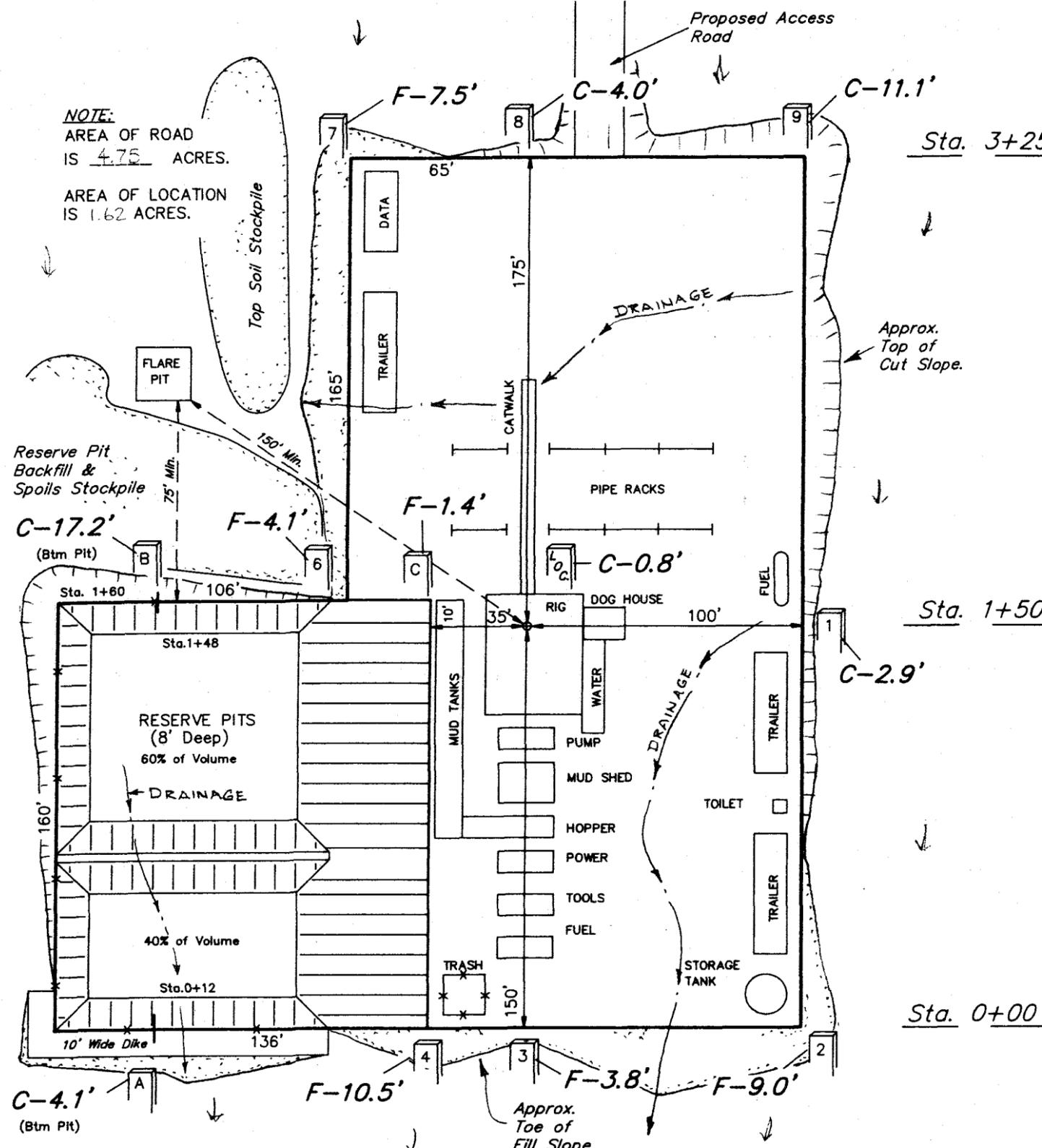


COORS ENERGY CO.  
 LOCATION LAYOUT FOR  
 UTE TRIBAL #1-19D  
 SECTION 19, T4S, R4W, U.S.B.&M.

**COORS ENERGY CO.**

**LOCATION LAYOUT FOR**

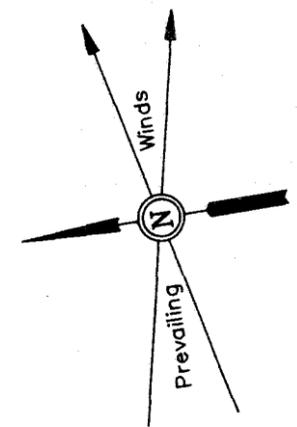
UTE TRIBAL #1-19D  
SECTION 19, T4S, R4W, U.S.B.&M.



**NOTE:**  
AREA OF ROAD IS 4.75 ACRES.  
AREA OF LOCATION IS 1.62 ACRES.

**APPROXIMATE YARDAGES**

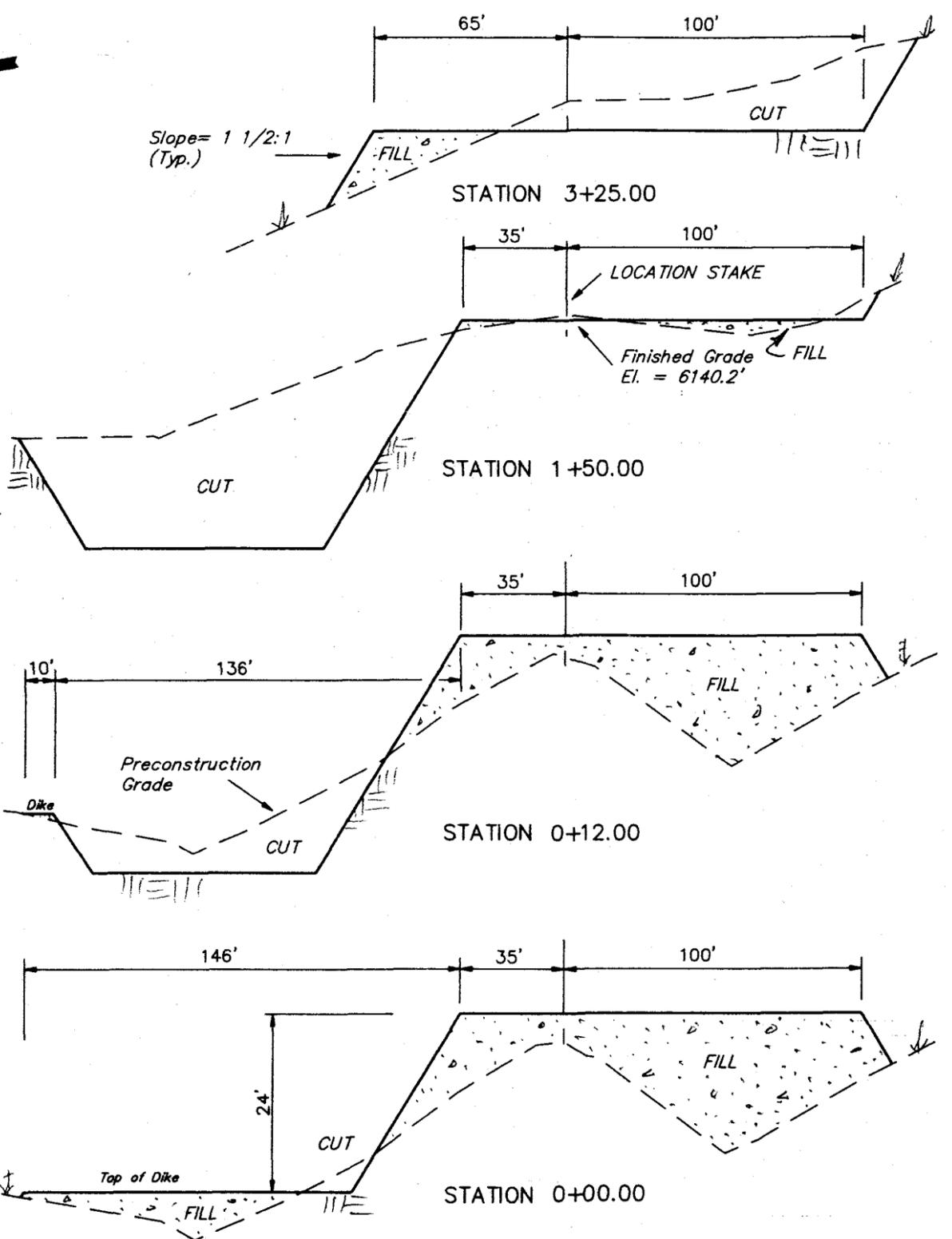
|                          |                         |   |                  |
|--------------------------|-------------------------|---|------------------|
| CUT                      |                         | EXCESS MATERIAL AFTER 5% COMPACTION     | = 4,267 Cu. Yds. |
| (6") Topsoil Stripping   | = 1,200 Cu. Yds.        | Topsoil & Pit Backfill (1/2 Pit Vol.)   | = 2,934 Cu. Yds. |
| Pit Volume (Below Grade) | = 3,468 Cu. Yds.        | EXCESS UNBALANCE (After Rehabilitation) | = 1,333 Cu. Yds. |
| Remaining Location       | = 7,136 Cu. Yds.        |   |                  |
| <b>TOTAL CUT</b>         | <b>= 11,804 CU.YDS.</b> |   |                  |
| <b>FILL</b>              | <b>= 7,160 CU.YDS.</b>  |   |                  |



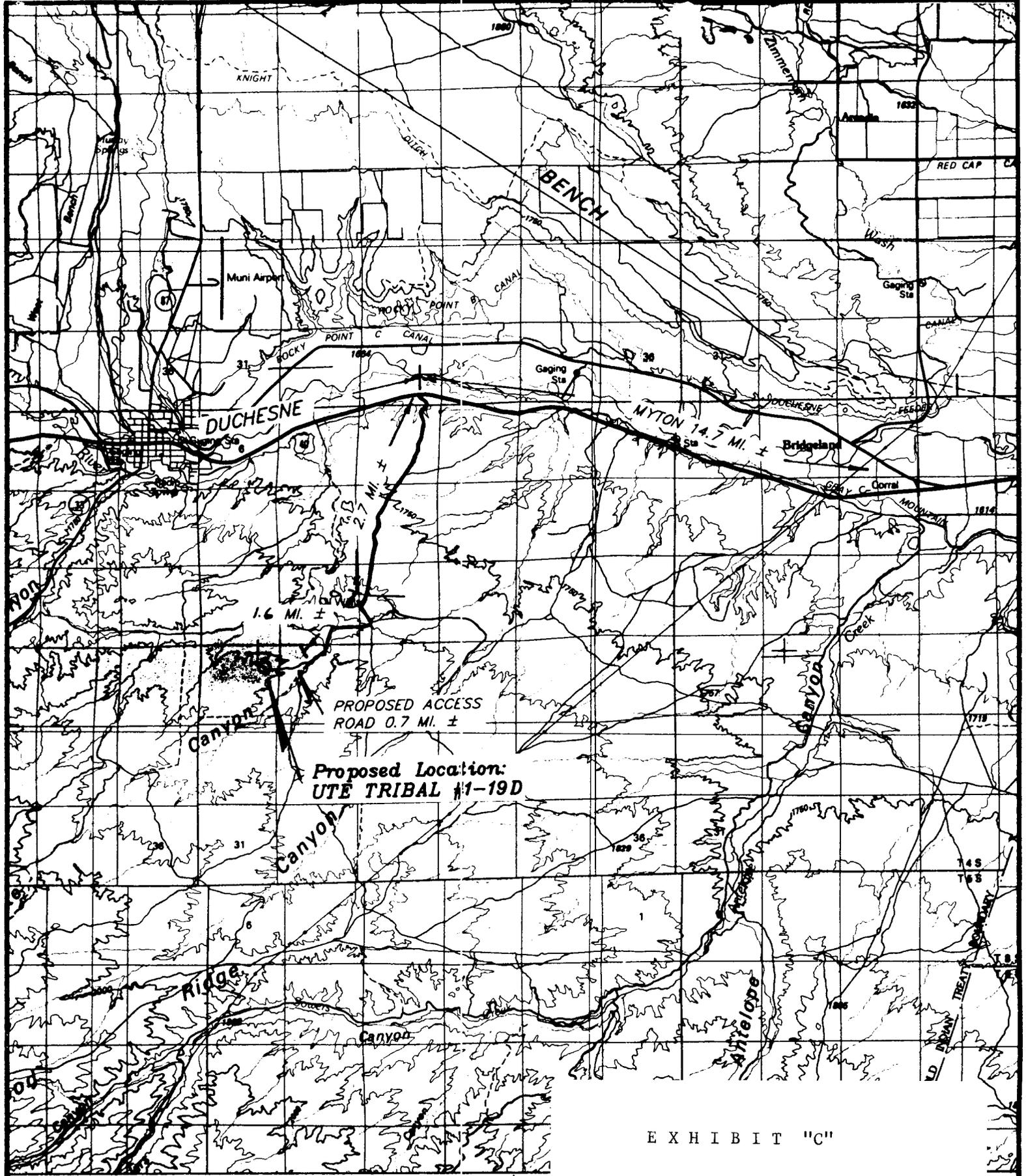
SCALE: 1" = 50'  
DATE: 7-17-89

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

TYP. LOCATION LAYOUT  
TYP. CROSS SECTIONS



Elev. Ungraded Ground at Loc. Stake = 6141.0'  
Elev. Finished Grade at Loc. Stake = 6140.2'



Proposed Location:  
UTE TRIBAL #1-19D

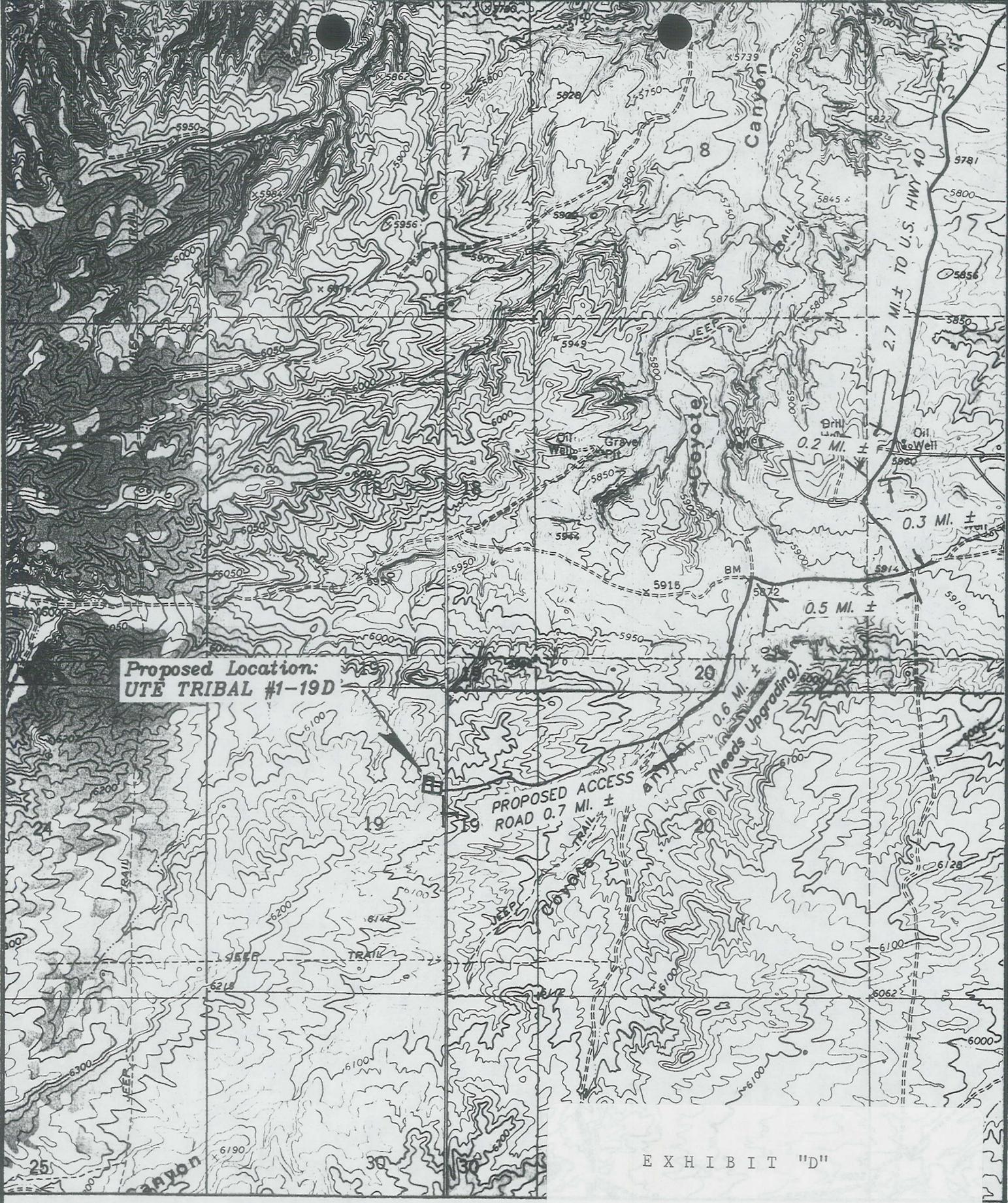
PROPOSED ACCESS  
ROAD 0.7 MI. ±

EXHIBIT "C"

TOPOGRAPHIC  
MAP "A"



COORS ENERGY CO.  
UTE TRIBAL #1-19D  
SECTION 19. T4S, R4W, U.S.B.&M.



**Proposed Location:  
UTE TRIBAL #1-19D**

**PROPOSED ACCESS  
ROAD 0.7 MI. ±**

**0.6 MI. ±  
(Needs Upgrading)**

**0.3 MI. ±**

**0.5 MI. ±**

**2.7 MI. ± TO U.S. HWY 40**

EXHIBIT "D"

TOPOGRAPHIC  
MAP "B"



**COORS ENERGY CO.**

UTE TRIBAL #1-19D  
SECTION 19, T4S, R4W, U.S.B.&M.

SCALE: 1" = 2000'

R & M.

17

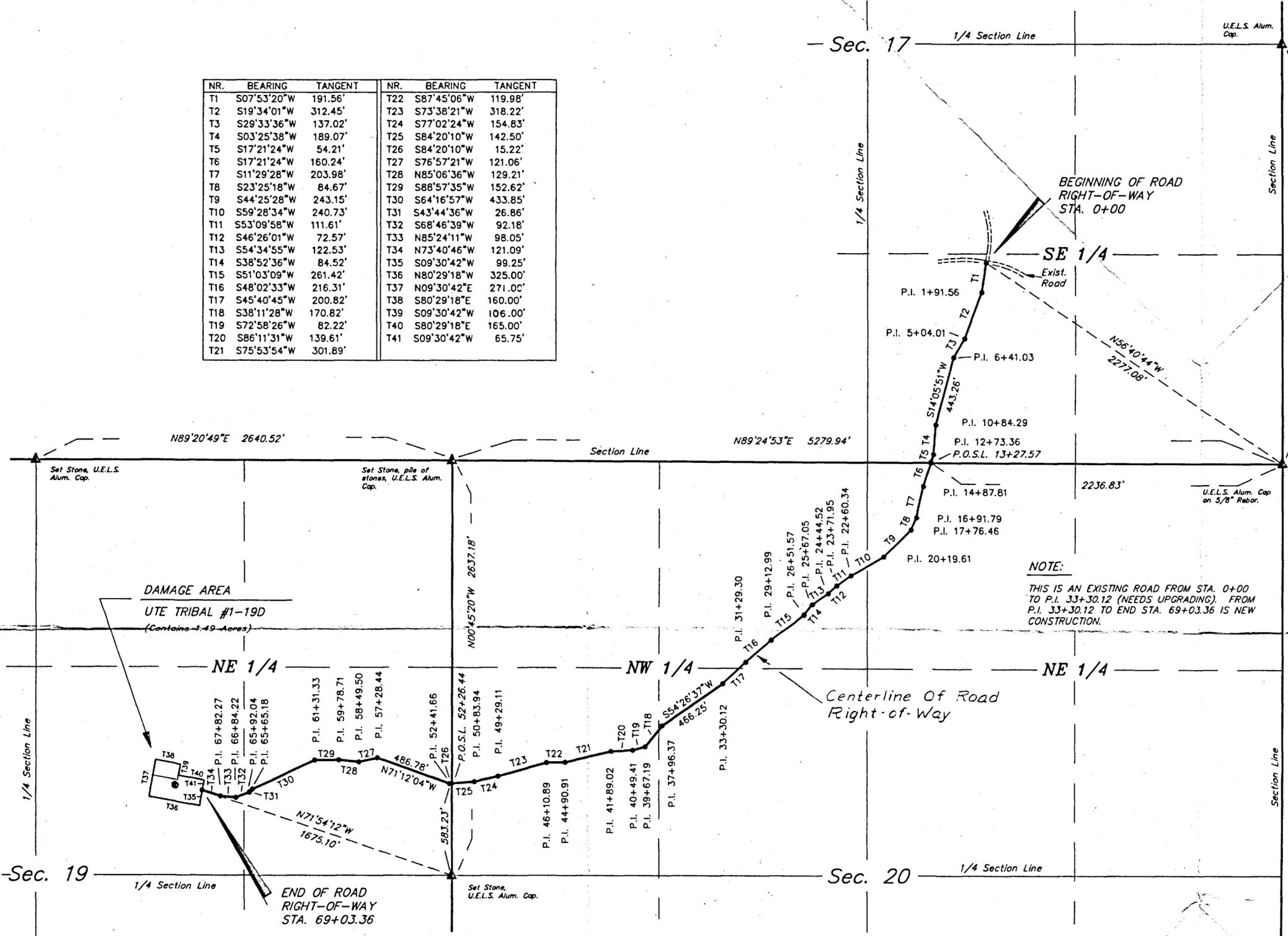
1/4 Section Line

# ROAD RIGHT-OF-WAY & DAMAGE AREA

(For Ute Tribal #1-19D)

LOCATED IN SECTIONS 17, 19, & 20, T4S, R4W, U.S.B.&M. DUCHESNE COUNTY, UTAH

| NR. | BEARING     | TANGENT | NR. | BEARING     | TANGENT |
|-----|-------------|---------|-----|-------------|---------|
| T1  | S07°53'20"W | 191.56' | T22 | S87°45'06"W | 119.98' |
| T2  | S19°34'01"W | 312.45' | T23 | S73°38'21"W | 318.22' |
| T3  | S29°33'36"W | 137.02' | T24 | S77°02'24"W | 154.83' |
| T4  | S03°25'38"W | 189.07' | T25 | S84°20'10"W | 142.50' |
| T5  | S17°21'24"W | 54.21'  | T26 | S84°20'10"W | 15.22'  |
| T6  | S17°21'24"W | 160.24' | T27 | S76°57'21"W | 121.06' |
| T7  | S11°29'28"W | 203.98' | T28 | N85°06'36"W | 129.21' |
| T8  | S23°25'18"W | 84.67'  | T29 | S88°57'35"W | 152.62' |
| T9  | S44°25'28"W | 243.15' | T30 | S64°16'57"W | 433.85' |
| T10 | S59°28'34"W | 240.73' | T31 | S43°44'36"W | 26.86'  |
| T11 | S53°09'58"W | 111.61' | T32 | S68°46'39"W | 92.18'  |
| T12 | S46°26'01"W | 72.57'  | T33 | N85°24'11"W | 98.05'  |
| T13 | S54°34'55"W | 122.53' | T34 | N73°40'46"W | 121.09' |
| T14 | S38°52'36"W | 84.52'  | T35 | S09°30'42"W | 99.25'  |
| T15 | S51°03'09"W | 261.42' | T36 | N80°29'18"W | 325.00' |
| T16 | S48°02'33"W | 216.31' | T37 | N09°30'42"E | 271.00' |
| T17 | S45°40'45"W | 200.82' | T38 | S80°29'18"E | 160.00' |
| T18 | S38°11'28"W | 170.82' | T39 | S09°30'42"W | 106.00' |
| T19 | S72°58'26"W | 82.22'  | T40 | S80°29'18"E | 165.00' |
| T20 | S86°11'31"W | 139.61' | T41 | S09°30'42"W | 65.75'  |
| T21 | S75°53'54"W | 301.89' |     |             |         |



### DESCRIPTIONS

#### ROAD RIGHT-OF-WAY

A 30' WIDE RIGHT-OF-WAY (15' PERPENDICULAR ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE).

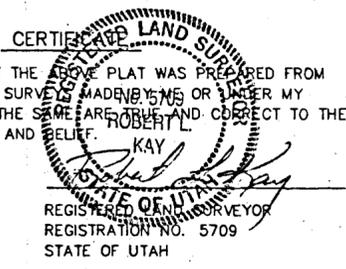
BEGINNING AT A POINT IN SECTION 17, T4S, R4W, U.S.B.&M. WHICH BEARS N56°40'44"W 2277.08' FROM THE SOUTHEAST CORNER OF SAID SECTION 17, THENCE S7°53'20"W 191.56'; THENCE S19°34'01"W 312.45'; THENCE S29°33'36"W 137.02'; THENCE S17°21'24"W 54.21'; THENCE S17°21'24"W 160.24'; THENCE S11°29'28"W 203.98'; THENCE S23°25'18"W 84.67'; THENCE S44°25'28"W 243.15'; THENCE S59°28'34"W 240.73'; THENCE S53°09'58"W 111.61'; THENCE S46°26'01"W 72.57'; THENCE S54°34'55"W 122.53'; THENCE S38°52'36"W 84.52'; THENCE S51°03'09"W 261.42'; THENCE S48°02'33"W 216.31'; THENCE S45°40'45"W 200.82'; THENCE S54°26'37"W 466.25'; THENCE S38°11'28"W 170.82'; THENCE S72°58'26"W 82.22'; THENCE S86°11'31"W 139.61'; THENCE S75°53'54"W 301.89'; THENCE S87°45'06"W 119.98'; THENCE S73°38'21"W 318.22'; THENCE S77°02'24"W 154.83'; THENCE S84°20'10"W 142.50' TO A POINT ON THE EAST LINE OF SECTION 19, T4S, R4W, U.S.B.&M. WHICH BEARS N0°45'20"W 583.23' FROM THE EAST 1/4 CORNER OF SAID SECTION 19; THENCE S84°20'10"W 15.22'; THENCE N71°12'04"W 486.78'; THENCE S76°57'21"W 121.06'; THENCE N85°06'36"W 129.21'; THENCE S88°57'35"W 152.62'; THENCE S64°16'57"W 433.85'; THENCE S43°44'36"W 26.86'; THENCE S68°46'39"W 92.18'; THENCE N85°24'11"W 98.05'; THENCE N73°40'46"W 121.09' TO A POINT IN THE NE 1/4 OF SAID SECTION 19 WHICH BEARS N71°54'12"W 1675.10' FROM THE SAID EAST 1/4 CORNER OF SECTION 19. BASIS OF BEARINGS IS THE UTAH STATE GRID, CENTRAL ZONE. CONTAINS 4.75 ACRES MORE OR LESS.

#### DAMAGE AREA

BEGINNING AT A POINT IN THE NE 1/4 OF SECTION 19, T4S, R4W, U.S.B.&M. WHICH BEARS N71°54'12"W 1675.10' FROM THE EAST 1/4 CORNER OF SAID SECTION, THENCE S9°30'42"W 99.25'; THENCE N80°29'18"W 325.00'; THENCE N9°30'42"E 271.00'; THENCE S80°29'18"E 160.00'; THENCE S9°30'42"W 106.00'; THENCE S80°29'18"E 165.00'; THENCE S9°30'42"W 65.75' TO THE POINT OF BEGINNING. BASIS OF BEARINGS IS THE UTAH STATE GRID, CENTRAL ZONE. CONTAINS 1.62 ACRES MORE OR LESS.

**NOTE:**  
THIS IS AN EXISTING ROAD FROM STA. 0+00 TO P.I. 33+30.12 (NEEDS UPGRADING). FROM P.I. 33+30.12 TO END STA. 69+03.36 IS NEW CONSTRUCTION.

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



**NOTES:**  
BASIS OF BEARINGS IS THE UTAH STATE GRID, CENTRAL ZONE.  
▲ = SECTION CORNERS LOCATED.

|   |                           |
|---|---------------------------|
| <b>U.E.L.S. UTAH ENGINEERING &amp; LAND SURVEYING</b><br>85 SOUTH 200 EAST - VERNAL, UTAH 84078<br>(801) 789-1017 |                           |
| SCALE:<br>1" = 500'   | DATE:<br>7-13-89          |
| SURVEYED BY:<br>L.D.T. D.S.   | DRAWN BY:<br>J.R.S.       |
| WEATHER:<br>HOT   | FILE:<br>COORS ENERGY CO. |

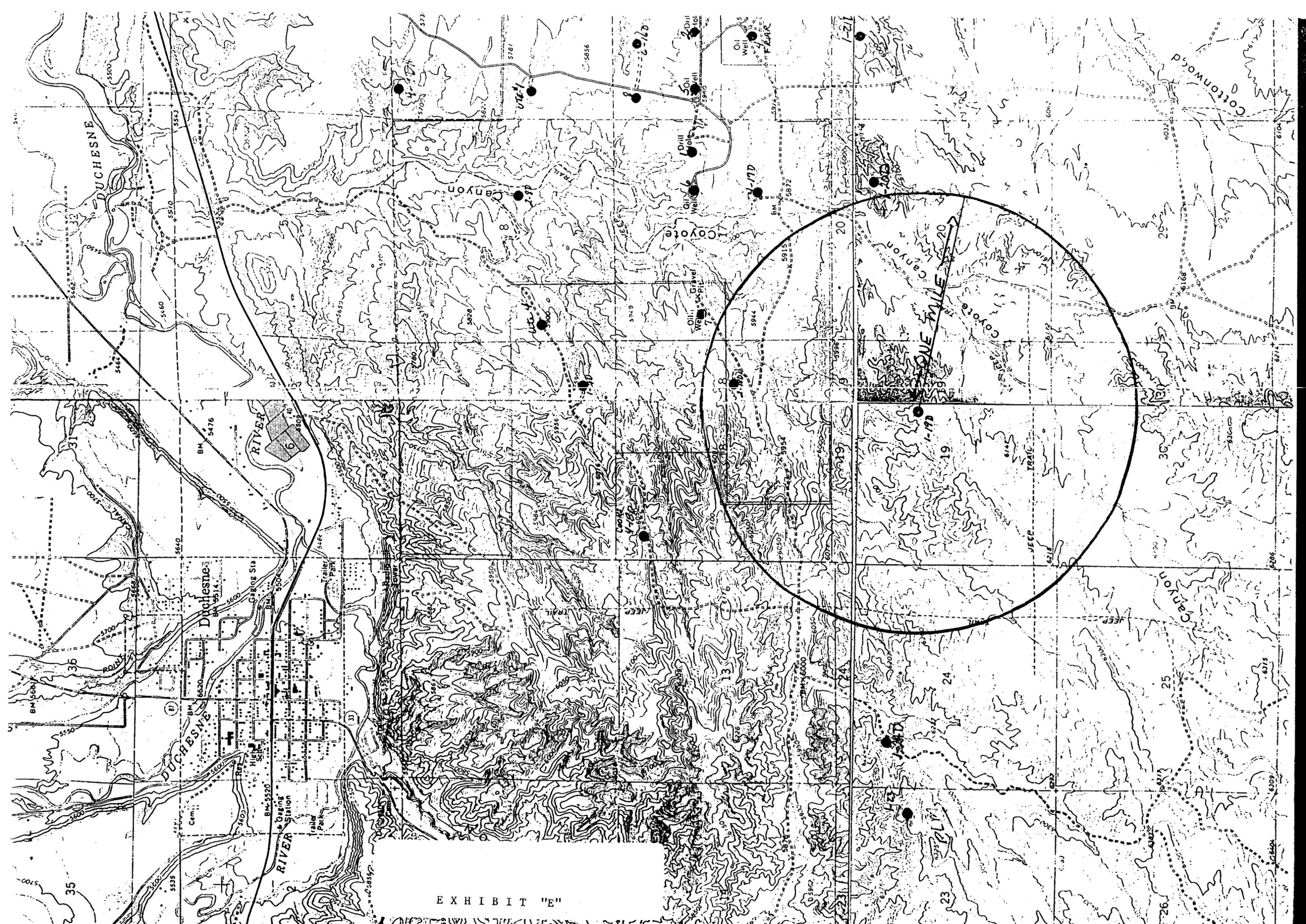


EXHIBIT "E"

# APPLICATION FOR TEMPORARY CHANGE OF WATER

## STATE OF UTAH

Rec. by \_\_\_\_\_  
 Fee Paid \$ \_\_\_\_\_  
 Receipt # \_\_\_\_\_  
 Microfilmed \_\_\_\_\_  
 Roll # \_\_\_\_\_

For the purpose of obtaining permission to make a temporary change of water in the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of Section 73-3-3 Utah Code Annotated 1953, as amended.

**TEMPORARY CHANGE APPLICATION NO. t88-43-11**

Proposed changes: point of diversion [X], place of use [X], nature of use [ ].

1. NAME: Curry Leasing  
 ADDRESS: P.O. Box #227 Altamont, UT 84001
2. FILING DATE: ~~October 14, 1988~~ Nov. 9, 1988
3. RIGHT EVIDENCED BY: Application A60177

HERETOFORE referenced from Water Right: 43-9594

4. FLOW: 0.05 cfs OR 36.5 acre-feet
5. SOURCE: Duchesne River
6. COUNTY: Duchesne
7. POINT(S) OF DIVERSION:  
 (1) ft. E 950 ft. from SW corner, Section 27, T2S, R5W, USBM  
 Diverting Works: Pump trucks and hauled
8. NATURE OF USE:  
 OIL EXPLORATION: Oil well drilling, completion and service work  
 PERIOD OF USE: August 3 to August 3

9. PLACE OF USE:

Sec 27, T2S, R5W, USBM

| NORTH-EAST<br>NE NW SW SE | NORTH-WEST<br>NE NW SW SE | SOUTH-WEST<br>NE NW SW SE | SOUTH-EAST<br>NE NW SW SE |
|---------------------------|---------------------------|---------------------------|---------------------------|
| : : :                     | : : :                     | : : X:                    | : : :                     |

**THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED**

10. FLOW: 0.05 cfs OR 12.0 acre-feet REMAINING WATER: Same as HERETOFORE
11. SOURCE: Duchesne River
12. COUNTY: Duchesne COMMON DESCRIPTION:
13. POINT(S) OF DIVERSION: Changed as follows:  
 (1) ft. E 950 ft. from SW corner, Section 27, T2S, R5W, USBM  
 Diverting Works: Pump trucks Source: Duchesne River  
 Continued on Next

EXHIBIT "F"

(2) N 2250 ft. E 750 ft. from SW corner, Section 6, T4S, R4W, USBM  
Diverting Works: Pump trucks Source: Duchesne River

14. PLACE OF USE: Changed as follows:

|                           |                           |                           |                           |
|---------------------------|---------------------------|---------------------------|---------------------------|
| NORTH-EAST<br>NE NW SW SE | NORTH-WEST<br>NE NW SW SE | SOUTH-WEST<br>NE NW SW SE | SOUTH-EAST<br>NE NW SW SE |
|---------------------------|---------------------------|---------------------------|---------------------------|

ALL T4S, R4W, USBM |

15. NATURE OF USE: Same as HERETOFORE

OIL EXPLORATION: Oil well drilling, completion and service work in Sowards-Antelope  
PERIOD OF USE: October 15, 1988 to October 15, 1989

The undersigned hereby acknowledges that even though he/she may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the State Engineer's Office, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant.

  
\_\_\_\_\_  
Signature of Applicant

THREATENED AND ENDANGERED SPECIES SURVEY  
OF THREE PROPOSED WELL SITES

On July 25,26,27 1989 three proposed well sites and the access corridors leading to these wells were surveyed for listed and candidate Threatened and Endangered species. The survey was conducted for Coors Energy Co.

The three proposed well sites and access corridors were inspected for the presence of Threatened and Endangered (T & E) species and habitat components of potential value for these species. The six T & E species searched for during the survey are peregrine falcon, bald eagle, whooping crane, black-footed ferret, Colorado River squawfish, and the Uinta Basin hookless cactus. In addition, eight species that are currently candidates for addition to the T & E species list were searched for: ferruginous hawk, Swainson's hawk, white-faced ibis, long-billed curlew, mountain plover, snowy plover, razorback sucker, and Barneby peppergrass.

The surveyed area at each well site was about 2.5 acres, large enough to include an undisturbed buffer zone around the proposed drill pad. The access corridor was surveyed for 25 feet either side of the proposed road centerline. The survey was conducted by walking back-and-forth over the proposed well site and access corridor such that all areas to be disturbed could be inspected. In addition, a search for raptor nests was conducted in all appropriate habitat within 0.5 miles of the proposed well site and within 0.2 miles of the proposed access corridor. These raptor nest search areas are twice that of previous surveys and

THREATENED AND ENDANGERED SPECIES SURVEY  
OF THREE PROPOSED WELL SITES

This Report Covers Well:

Ute Tribal 1-3D  
Ute Tribal 1-19D  
Ute Tribal 1-20D

PREPARED FOR

COORS ENERGY CO.  
P.O. BOX 467  
GOLDEN COLORADO 80402

PREPARED BY

PETER E. KUNG  
BIOLOGICAL CONSULTING  
P.O. BOX 16708  
COLORADO SPRINGS COLORADO 80935

August 7, 1989

represent on going efforts to locate and quantify areas possibly used by ferruginous hawks during their annual reproductive efforts. Special attention was given to cliffs, large trees, and other sites frequently used for nesting. During the survey, physical, floral, and faunal characteristics of the proposed site and access corridor were assessed.

No T & E species were observed, however a small population of Lepidium barnebyanum, a candidate T & E plant species, was found approximately 550 ft. north of the proposed location of well UT 1-19D. Fortunately, the plants are situated on a shaly knoll well outside of the area to be disturbed.

Data on the physical and floristic characteristics of the proposed wells and access corridors indicate that some appropriate habitat exists for the 14 species considered. Below, the potential for each species to occur on site is discussed.

**Colorado River Squawfish** - Not a possible inhabitant. This fish inhabits large rivers in the Uinta Basin such as the Green River and lower portion of the Duchesne River. It has never been recorded in small perennial streams such as those found near Duchesne, Utah. No appropriate habitat exists for this species in the areas surveyed.

**Razor-back sucker** - Not a possible inhabitant. This fish inhabits large rivers in the Uinta Basin such as the Green River and lower portion of the Duchesne River. It has never been recorded in small perennial streams such as those found near Duchesne, Utah. No appropriate habitat exists for this species in the areas surveyed.

**Whooping crane** - This species is a rare migrant over the Uinta Basin, stopping rarely to forage in plowed fields, wet meadows, and marshland (e.g., Ouray Wildlife Refuge in 1976 and 1977, Pelican Lake, and Stewart Lake). Appropriate habitat exists for this species near the area surveyed, specifically along the Duchesne River. However, this bird's migration route takes it across a more eastern section of the Uinta Basin, almost eliminating its occurrence in this region. No appropriate habitat exists for this species in the areas surveyed.

**White-faced ibis** - This species is an uncommon to fairly common summer resident in the Uinta Basin, frequenting irrigated cropland, pastures, and marshes along flood plains of major rivers. White-faced ibis have been recorded from the Green River, Ashley Creek marsh, Pariette Wetlands, and Pelican Lake. Appropriate habitat exists for this species near the areas surveyed, specifically along the Duchesne River. Nevertheless, development and production will not interfere with this bird's productivity. No appropriate habitat exists for this species in the areas surveyed.

**Long-billed curlew** - This curlew is an uncommon to fairly common migrant in the Uinta Basin; no documented breeding records exist. On migration, it visits pastures, arid grassland, and shorelines. Most records are from the Pariette Wetlands, Jensen, Vernal, and Pelican Lake areas. Appropriate habitat exists for this species near the areas surveyed, specifically along the Duchesne River. Nevertheless, development and production of the wells will not interfere with this bird's migration. No appropriate habitat exists for this species in the areas surveyed.

**Mountain plover** - There are no documented records for this species in the western part of the Uinta Basin. Where it does occur, it nests in open plains at moderate elevations. The pinyon-juniper and mixed desert shrub habitat, which is an important vegetation type in the region, is at best marginal habitat for mountain plovers. None are expected at these well sites.

**Snowy plover** - There are no documented records for snowy plovers in the western part of the Uinta Basin. These small plovers inhabit mudflats and alkali flats during both migration and the breeding season. No appropriate habitat exists for this species in the areas surveyed.

**Swainson's hawk** - This hawk is a fairly common summer resident in the Uinta Basin and it nests in deciduous trees in riparian woodlands, shelter-belts, and occasionally in scattered junipers. It forages widely, including shrubland and pinyon-juniper woodland. The most important breeding habitat in the region is the Duchesne River floodplain. The study site may be used occasionally for foraging and the nearby riparian woodland along the Duchesne River for nesting. Well development and production will not interfere with this hawk's productivity.

**Ferruginous hawk** - The ferruginous hawk is an uncommon to fairly common permanent resident in the Uinta Basin. It is usually found in open country (shrubland, grassland) but may be found in pinyon-juniper habitat as well. It usually nests on the ground or atop isolated pinyons or junipers and has been recorded near Myton, Pleasant Valley, and Roosevelt. This species could

forage and nest in open, shrub-dominated vegetation types.

Although it is not yet confirmed in this area as a nester, the nests found during the previous surveys should all be considered as a possible future ferruginous hawk nest sites. Well development and production should be undertaken so as to minimize potential impacts to ferruginous reproductive efforts, typically March 1 to June 30.

**Bald eagle** - Bald eagles are fairly common to common winter visitors in the Uinta Basin, wintering primarily in deciduous riparian habitat and foraging widely during the day. Numerous individuals winter along the Duchesne River. Occasional sightings of bald eagles foraging near the proposed well site should be expected in winter. Well development and production will not interfere with this eagle's survival.

**Peregrine falcon** - Peregrine falcons are rare breeding residents in the Uinta Basin (e.g., Split Mountain at Dinosaur National Monument). They prefer deep canyons where they nest in the high, inaccessible cliffs. They forage widely. No good breeding sites exist for this species in the area surveyed. However, this species should be looked for as a rare migrant in the region.

**Black-footed ferret** - There are no published records of this ferret in the Uinta Basin although several unconfirmed sightings have been made east of Vernal and in the Pelican Lake area. Black-footed ferrets are thought to occur only in large prairie dog towns where they feed almost exclusively on prairie dogs. Although a prairie dog colony with active burrows was found during the survey on the access road to UT 1-3D, the present

population density could not support a ferret. Current U.S. Fish and Wildlife Service "Black-footed Ferret Survey Guidelines" (4/89) were followed. These guidelines establish minimum areas of prairie dog habitat (200 acres for white-tailed prairie dog towns) that the Service believes are needed to support a black-footed ferret. Although the prairie dog town located during the survey encompassed only approximately 50 acres, care was taken to examine all potentially affected burrows within the access corridor survey area for any ferret sign. None was expected or encountered.

**Uinta Basin hookless cactus** - This cactus occurs in arid shrubland, usually in the Green River geologic formation. Some specimens have been found in the Uinta Formation (e.g., the Synfuels Shale Oil Development site), however, no specimens have been recorded in pinyon-juniper woodland. No appropriate habitat exists for this species in the areas surveyed.

**Barneby peppergrass** - Barneby peppergrass (which is not a grass but a low-growing, perennial mustard) occurs on barren ridges in pinyon-juniper woodland. One confirmed and well documented population is located 3.5 miles southwest of Duchesne, north of Indian Canyon in Section 16, T4S R5W. Another isolated population was found during the current survey in Sec. 19 T4S R4W near the location of proposed well UT 1-19D. Only a dozen specimens were identified on a small marl shale outcrop approximately 550 ft. north of the proposed well site. Following the identification of this new L. barnebyanum locale, extreme care was taken to thoroughly examine any similar outcrops

in the immediate area to locate any possible additional specimens. None were found. Although the newly identified plants are outside the area to be disturbed, efforts should be undertaken to clearly define and protect this population from any inadvertent disturbance associated with proposed well development and production.

In summary, only a few of the 14 T & E species searched for are likely to occur in the areas surveyed.

Specific descriptions of the proposed well site and access corridor follow.

## SITE DESCRIPTION

SITE NAME: Ute-tribal #1-19D Access Road

SITE LOCATION: Sec 19 T4S R4W SW 1/4 NE 1/4

### PHYSICAL CHARACTERISTICS

Elevation: Approx. 5870 - 6145 ft.

Topography: Alluvial valley floor to PJ ridge

Substrate: Shaly, silty clay loam, areas of desert pavement

Length: Approx. 1.3 mi. (.6 mi. existing 2 track road and .7mi. proposed new access)

### FLORAL CHARACTERISTICS

Habitat Type: Sage greasewood thru mixed desert shrub to PJ ridge

Percent Ground Cover: 0-20 % trees; 0-30% shrubs; 0-3% grass/forb

Canopy Height: 10 ft. trees, 24 in. shrubs

Dominant Shrubs and Trees (in Order of Abundance):

Alluvial valley - Artemisia tridentata, Artemisia nova,

Sarcobatus vermiculatus, Ceratoides lanata,

Chrysothamnus viscidiflorus

Mixed desert shrub sidehill - Artemisia nova, Arctostaphylos confertifolia

Common Forbs and Grasses:

Oryzopsis hymenoides, Hilaria jamesii

Miscellaneous:

Halogeton glomeratus, Opuntia polyacantha

### FAUNAL CHARACTERISTICS

Vertebrates Observed On and Near Site: Pinyon jay, Clark's nutcracker, Desert cottontail, Least chipmunk, White tailed antelope squirrel

Wildlife Sign: Mule deer tracks and scat

Permanent Water: None

Observed Threatened and Endangered Species: None

Raptor Nests: None

Potential Threatened and Endangered Species: Passage of Swainson's and Ferruginous Hawks, Bald Eagle and Prairie Falcons.

Potential Ecological Sensitivity: Medium. Populations of L. barnebyanum on marl shale outcrops possible.

OBSERVER: Peter E. Kung, B.S., Wildlife Biologist

7/27/89, 5-10 mph wind, 60-90 F, partly cloudy (40%), dry, afternoon thunder storms

## SITE DESCRIPTION

SITE NAME: Ute-tribal #1-19D Well Site

SITE LOCATION: Sec. 19 T4S R4W SW 1/4 NE 1/4

### PHYSICAL CHARACTERISTICS

Elevation: Approx. 6145 ft.

Topography: Rolling head of drainage, NE aspect

Substrate: Shaly, silty clay loam, areas of desert pavement

### FLORAL CHARACTERISTICS

Habitat Type: Pinyon Juniper/ Mixed desert shrub opening

Percent Ground Cover: 20% trees; 5% shrubs; <1% grass/forb

Canopy Height: 10 ft. trees, 10 in. shrubs

Dominant Shrubs and Trees (in Order of Abundance):

Juniperus osteosperma, Pinus edulis, Artemisia nova,  
Atriplex confertifolia

Common Forbs and Grasses:

Hilaria jamesii, Oryzopsis hymenoides

Miscellaneous:

Ephedra spp., Amelanchier utahensis, Cercocarpus montanus

### FAUNAL CHARACTERISTICS

Vertebrates Observed On and Near Site: Black-tailed Jack rabbit, Common bushtit, Sagebrush lizard, Side-blotched lizard

Wildlife Sign: Heard Pinyon jay, Plain tit, Clark's nutcracker

Permanent Water: None

Observed Threatened and Endangered Species: Specimens of Lepidium barnebyanum (a candidate species) found approx. 550 ft. north of well site

Raptor Nests: None

Potential Threatened and Endangered Species: Passage of Swainson's and Ferruginous Hawks, Bald Eagle, and Prairie Falcons.

Potential Ecological Sensitivity: High. Extreme care should be taken so as not to disturb this limited L. barnebyanum population or its surroundings.

OBSERVER: Peter E. Kung, B.S., Wildlife Biologist  
7/27/89, 5-10 mph wind, 60-90 F, partly cloudy (40%),  
dry, afternoon thunder storms



RIVER

Coyote Canyon

JEEP TRAIL

UT #190

UT #200

Coors Energy  
T&E Survey Area  
7/09

Sta

Trailer Park

radio tower

Oil Well

Gravel Pit

Drill Hole

Oil Well

Drill Hole

Oil Well

JEEP TRAIL

TRAIL

6062

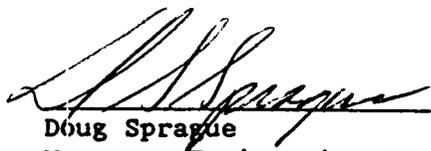
7/09



CERTIFICATION BY OPERATOR'S FIELD REPRESENTATIVE

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access road; that I am familiar with the conditions that presently exist; that the statements made in this plan are, to the best of my knowledge, true, complete, and correct; and that the work associated with this plan will be carried on by Coors Energy Company, and its contractors and subcontractors, in conformity with the plan and the terms and conditions under which it is approved.

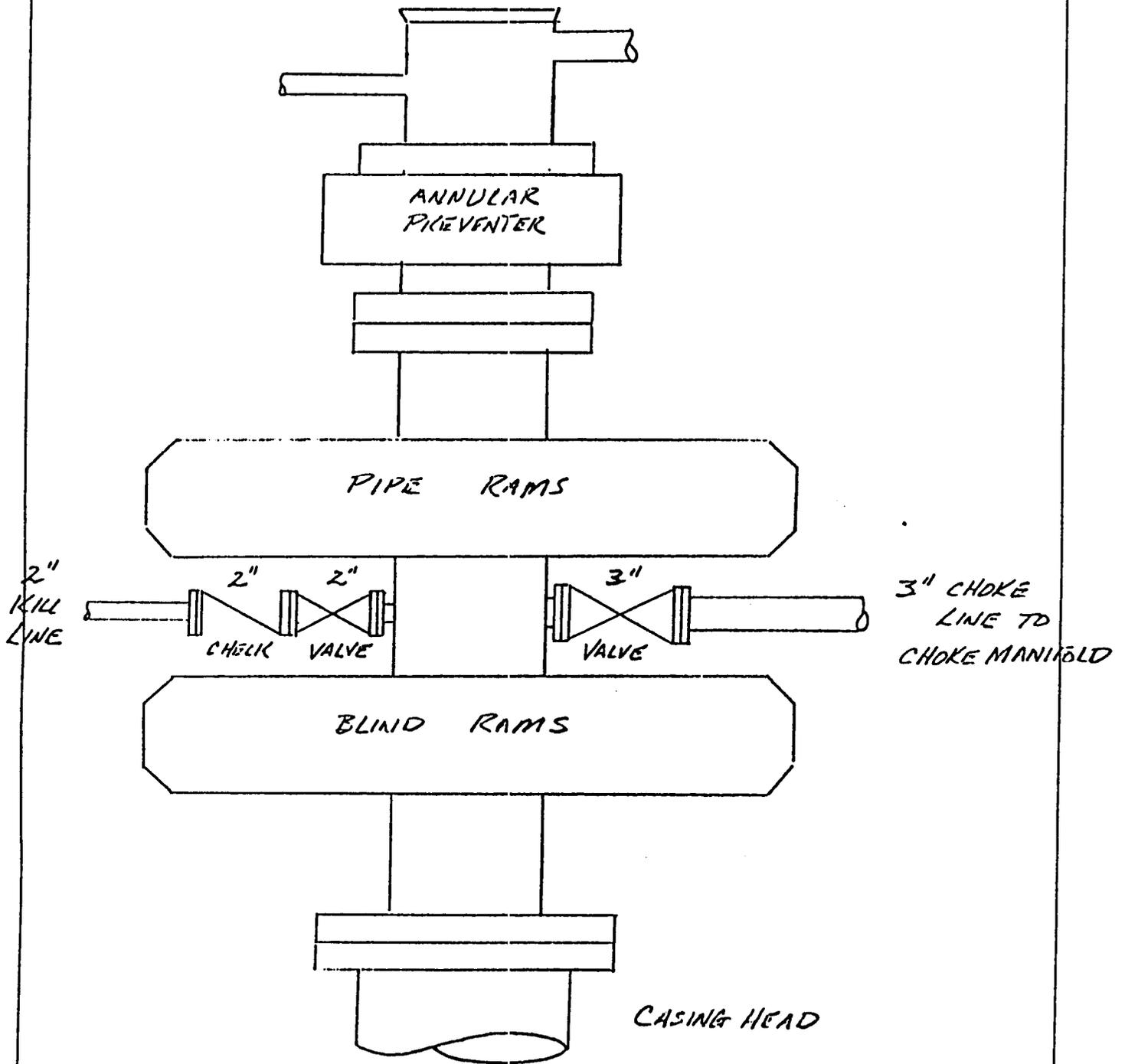
8-17-89  
Date

  
Doug Sprague  
Manager, Engineering Services

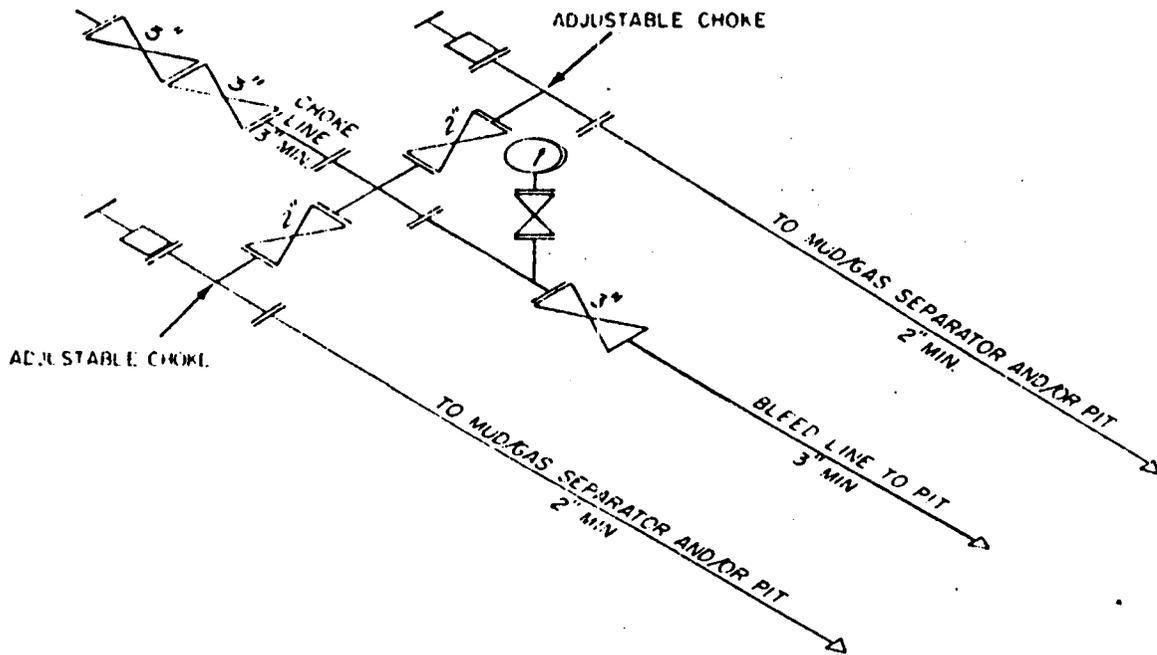
DS/kr

# BLOWOUT PREVENTION EQUIPMENT

3000 PSI W.P.



1. ANNULAR PREVENTER
2. DOUBLE RAM, PIPE AND BLIND RAMS WITH 2 SIDE OUTLETS. FOR KILL AND CHOKER LINES, ALTERNATIVE WOULD BE TO USE DRILLING SPOOL WITH 2 SIDE OUTLETS. SPOOL WOULD BE INSTALLED BETWEEN RAMS OR BETWEEN CASING HEAD AND BLIND RAMS.



3M CHOKE MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

## AGREEMENT

THIS AGREEMENT, made and entered into on April 20<sup>th</sup>, 1989, by and between E. Lee Friedrich ("Friedrich"), Emil L. Friedrich and Jacquelyn M. Friedrich and their successors in interest as trustees for the Friedrich Family Revocable Trust dated February 15, 1988 (the "Trustees"), and Coors Energy Company, a Colorado corporation ("Coors"), witnesseth that:

### RECITALS:

A. The Trustees acquired from Friedrich by Individual Quitclaim Deed dated February 15, 1988, and recorded in Book A167 at page 62 of the records of Duchesne County, Utah, ownership of the lands described in Exhibit A attached to and made part of this Agreement (the "Subject Lands"), subject however to the exception and reservation of the oil and gas and shale or other rock valuable as a source of petroleum and nitrogen therein, and the rights to prospect for, mine, and remove the same in accordance with the provisions of the Act of July 17, 1914 (30 U.S.C. §§ 121-123);

B. Some parts of the Subject Lands are covered by that certain Oil and Gas Mining Lease - Tribal Indian Lands, No. I-109-IND-5351, dated October 20, 1949 (the "Lease"), and the Lessee's interest thereunder has been assigned to and is owned by Coors;

C. Coors and Friedrich are respectively the plaintiff and defendant in two actions pending in the United States District Court for the District of Utah (both styled Coors Energy Company, a Corporation, Plaintiff, vs. E. Lee Friedrich, Defendant, being No. C 88-41S and No. C 88-295S) which describe portions of the Subject Lands and affect the parties' rights therein;

D. Coors has completed four oil and gas wells within the Subject Lands, and has constructed access roads, drillsites, and related production facilities, and it proposes further oil and gas exploration and development within the Subject Lands under the Lease or under other oil and gas leases which it may acquire covering portions thereof;

AGREEMENT:

NOW, THEREFORE, it is agreed as follows:

1. In consideration of the mutual benefits set forth herein, Friedrich and the Trustees hereby confirm, extend, and grant to Coors and its successors and assigns the easements and rights to enter and occupy so much of the surface of the Subject Lands as may be required for all purposes reasonably incident to the exploration, development and production of the minerals leased to Coors, including exploration by seismic or geophysical or other methods and the right to drill, construct, maintain and use upon, within, and over said Subject Lands all oil wells, gas wells, derricks, machinery, tanks, boilers,

engines, pipe, power and telephone lines, roadways, and, without limitation by reason of the foregoing enumeration, any and all other structures, equipment, fixtures, appurtenances, or facilities necessary or convenient in prospecting and developing for, producing, storing, transporting and marketing oil, gas, and associated hydrocarbon substances, under or produced from any lands leased to Coors.

2. Coors agrees to pay to the Trust and Trustees and Friedrich agrees to accept as complete compensation and damages the following:

(a) \$10,000.00 for damages for the existing four wellsites, the rights-of-way to said wellsites, and the use of all existing roads which traverse the Subject Lands, payable as provided in paragraph 4.

(b) At least 10 days prior to commencing construction, \$1,500.00 for damages to wellsite lands for each well Coors may in the future elect to drill within the Subject Lands (which wellsite lands shall not exceed three acres each);

(c) At least ten days prior to commencing construction, \$8.00 per rod for any right-of-way across the Subject Lands Coors believes to be necessary for future exploration, development or production of oil, gas and associated hydrocarbons from lands leased to Coors (not to exceed a 50 foot construction right-of-way and a 30 foot permanent right-of-way); and

(d) .. \$500.00 per mile for damages caused for any seismic lines shot across the Subject Lands.

Coors further agrees that should the Trustees or Friedrich hereafter obtain the required governmental approvals for the development and marketing of a subdivision within the Subject Lands, the Trustees or Friedrich may, at their expense, require Coors to reroute rights of way for road or pipeline purposes. The Trustees and Friedrich agree not to require such rerouting unreasonably, and not to put Coors to operating inefficiencies or any other cost, direct or indirect.

3. Except for the payments set forth in Section 2, the Trust and Friedrich shall not be entitled to any other or additional payments or damages as the result of the conduct by Coors of operations upon the Subject Lands.

4. The parties agree that each of them will, through counsel of record, stipulate to the dismissals of the suits described in Recital C. Such stipulation shall agree to the final dismissal of all claims and counterclaims with prejudice, neither party to recover costs, and to the recall of the injunctions issued therein and to the termination of the security given therefor. The parties will jointly move the Court for its orders approving and implementing such stipulation. The \$10,000 due from Coors by reason of Section 2(a) shall be payable upon the court's entry of such orders.

5. Coors agrees to conduct all operations hereunder in a good and workmanlike manner and shall maintain each drill site in a condition that is reasonably clean and free of debris. It shall bury all pipelines

below plow depth where such lines cross cultivated lands, and shall construct gates or at its option install cattle guards where necessary for crossing fenced land in connection with operations and, where an election has been made to construct gates in lieu of cattle guards, keep such gates in repair and closed. When any facility constructed hereunder is abandoned, Coors shall clean up and restore the property in accordance with all Bureau of Land Management requirements and good operating practice.

6. Subject to the provisions of Section 8, it is agreed that the covenants in Section 2 hereof shall be covenants running with the surface ownership of the Subject Lands and shall not be held or transferred separately therefrom.

7. This Agreement shall be effective and continue during the term of the Lease, any replacement lease, and any other oil and gas lease currently owned by Coors or acquired by Coors within three years from the date hereof and covering ground within the Subject Lands. Notwithstanding the foregoing, this Agreement as it pertains to damages for future operations upon the Subject Land shall terminate upon final approval by the Duchesne County Board of County Commissioners of a plan to subdivide the Subject Lands, but only as to so much of the Subject lands as may be included in such approved plan. Coors shall not thereafter build any above-ground pipeline within any such subdivision and will upon request bury any existing line within any such subdivision.

8. Subject to the provisions of Section 6 hereof, this Agreement shall inure to the benefit of and be binding upon the parties and their respective heirs, executors, administrators, successors and assigns.

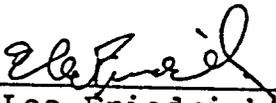
9. The Trust and Friedrich represent and agree with Coors that they are vested with all such title and authority as to enable them to execute and deliver this agreement and that no joinder or consent is required of any other person or entity by reason of rights of dower, security

interests, surface leases for other purposes, or any other interest or claimed interest in the Subject Lands.

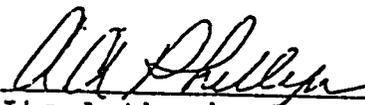
10. As new wells are located anywhere within the Subject Lands, and before drilling commences, Coors shall provide the Trustees with a legal description of the wellsite.

11. Coors agrees to indemnify and save harmless Friedrich and the Trustees from and against all claims, suits, damages, costs, losses, and expenses, including legal fees, in any manner resulting from or arising out of its operations hereunder; and Friedrich and the Trustees agree severally to indemnify and save harmless Coors from and against all claims, suits, damages, costs, losses, and expenses, including legal fees, in any manner resulting from or arising out of their respective acts or omissions in respect to the Subject Lands.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

  
\_\_\_\_\_  
E. Lee Friedrich

COORS ENERGY COMPANY

By   
\_\_\_\_\_  
Its Authorized Officer

FRIEDRICH FAMILY REVOCABLE TRUST  
dated February 15, 1988

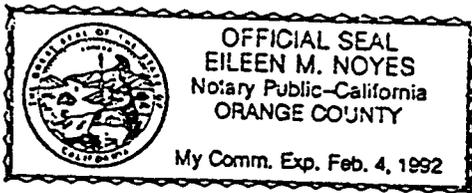
  
\_\_\_\_\_  
Trustee

E Lee Friedrich

Trustee

STATE OF California )  
 )  
: ss.  
COUNTY OF Orange )

On this 24<sup>th</sup> day of ~~April~~ <sup>MAY</sup>, 1989, personally appeared before me E. Lee Friedrich, the signer of the within instrument who duly acknowledged to me that he executed the same.



Eileen M. Noyes

NOTARY PUBLIC

Residing in: 4520 Barranca Parkway  
IRVINE, CA 92714

My Commission Expires:

2/4/92

STATE OF COLORADO )  
 )  
: ss.  
COUNTY OF JEFFERSON )

On the 25<sup>th</sup> day of April, 1989, personally appeared before me A.A. Phillips, who being by me duly sworn did say that he the said PRESIDENT is an Authorized Officer of Coors Energy Company and that the within and foregoing instrument was signed in behalf of said corporation by authority of a resolution of its Board of Directors, and said A.A. Phillips duly acknowledged to me that said corporation executed the same.

Karen Ladcliffe

NOTARY PUBLIC

Residing in: 14012 DENVER WEST  
GOLDEN, CO. 80401 P.M.D.

My Commission Expires:

3/4/92







NOTICE

TO: All Well Operators, Lessees, Subcontractors, Vendors, and Affiliated Agents and Employees Thereof

When entering the Ute Reservation, the entering individual is coming into a sovereign nation separate and distinct from the State of Utah. As such, there are special requirements which must be complied with when traversing or operating on Ute Indian Lands.

1. Trespass permits shall be obtained and carried with individual on tribal lands at all times.
2. All operators, subcontractors, vendors, and their employees or agents shall not carry firearms or other weapons.
3. All operators, subcontractors, vendors, and their employees or agents are confined to established roads and well sites. All litter must be removed from Ute Lands.
4. All operators, subcontractors, vendors, and their employees or agents may not gather firewood on Indian lands. Absent a duly granted "wood permit," such gathering is a criminal offense punishable in Federal court.
5. If water or fill materials are needed in constructing roads, well sites, or are used in the drilling process, proper permits are needed. Required information for permits includes: a) the approximate amount of water or materials needed; b) the location and ownership of the water rights or materials to be used and; c) the approximate amount of water or materials to be used.
- 6) All artifacts found while on Tribal lands shall be left in place and the Tribe promptly notified of the find.
- 7) No prospecting will be allowed on Tribal lands.
- 8) No alcoholic beverages or drugs shall be permitted while working on the Reservation.

Exhibit "K"

OPERATOR Coors Energy Co. (N5090) DATE 8-28-89

WELL NAME Ute Tribal 1-19D

SEC SWNE 19 T 4S R 4W COUNTY Duchesne

43-013-31244  
API NUMBER

Indian  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD (USm)

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well within 920'  
Water Permit #88-43-11 / A60177 (43-9594) 10-88 to 10-89  
Threatened and Endangered Species Survey performed 8-7-89.  
Exception to General State Spacing requested on cover letter.

APPROVAL LETTER:

SPACING:  R615-2-3

N/A  
UNIT

R615-3-2

N/A  
CAUSE NO. & DATE

R615-3-3

STIPULATIONS:

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



# State of Utah

DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

August 31, 1989

Coors Energy Company  
P. O. Box 467  
Golden, Colorado 80402

Gentlemen:

Re: Ute Tribal 1-19D - SW NE Sec. 19, T. 4S, R. 4W - Duchesne County, Utah  
2067' FNL, 1757' FEL

Approval to drill the referenced well is hereby granted in accordance with Rule R615-3-3, Oil and Gas Conservation General Rules.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification within 24 hours after drilling operations commence.
2. Submittal of an Entity Action Form within five working days following spudding and whenever a change in operations or interests necessitates an entity status change.
3. Submittal of the Report of Water Encountered During Drilling, Form 7.
4. Prompt notification if it is necessary to plug and abandon the well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or Jim Thompson, Lead Inspector, (Home) 298-9318.
5. Compliance with the requirements of Rule R615-3-20, Gas Flaring or Venting, Oil and Gas Conservation General Rules.
6. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 538-6121.

Page 2  
Coors Energy Company  
Ute Tribal 1-19D  
August 31, 1989

7. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-31244.

Sincerely,



R. J. Farth  
Associate Director, Oil & Gas

lcr  
Enclosures  
cc: Bureau of Land Management  
Bureau of Indian Affairs  
D. R. Nielson  
J. L. Thompson  
WE14/1-2

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

47-013-31244

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR  
 Coors Energy Company

3. ADDRESS OF OPERATOR  
 PO Box 467, Golden, Colorado 80402

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface: 2067' FNL, 1757' FEL, SW/NE  
 At proposed prod. zone: same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 3 miles south of Duchesne, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 573'

16. NO. OF ACRES IN LEASE  
 318.61

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 40 - as per Jim Simonton 8/30/89

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 none

19. PROPOSED DEPTH  
 7700'

20. ROTARY OR CABLE TOOLS  
 rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6141' GL

22. APPROX. DATE WORK WILL START\*  
 October, 1989



5. LEASE DESIGNATION AND SERIAL NO.  
 14-20-H62-4452

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 Ute Tribe

7. UNIT AGREEMENT NAME  
 -----

8. FARM OR LEASE NAME  
 Ute Tribal

9. WELL NO.  
 1-19D

10. FIELD AND POOL, OR WILDCAT  
 Duchesne

11. SEC., T., R., M., OR BLEK. AND SURVEY OR AREA  
 Sec. 19, T4S-R4W, SW/NE

12. COUNTY OR PARISH | 13. STATE  
 Duchesne | Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE                  | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|-------------------------------|----------------|-----------------|---------------|--------------------|
| See attached drilling program |                | for details     |               |                    |
|                               |                |                 |               |                    |

See attached application for details.



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, 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 D.S. Sprague TITLE Manager, Engineering DATE 8-17-89

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY David B. Young TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE 9/6/89

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

\*See Instructions On Reverse Side

**COORS ENERGY CO.**

**T4S, R4W, U.S.B.&M.**

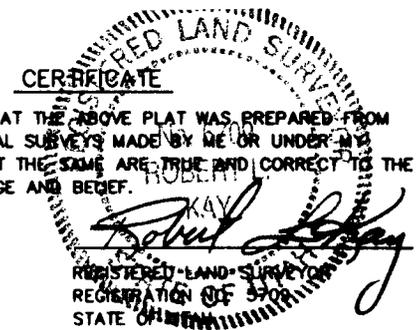
Well Location, UTE TRIBAL #1-19D, located as shown in the SW 1/4 NE 1/4 of Section 19, T4S, R4W, U.S.B.&M. Duchesne County, Utah.

**BASIS OF ELEVATION**

BENCH MARK M62 (1934) LOCATED NEAR A ROAD INTERSECTION IN THE SE 1/4 OF SECTION 17, T4S, R4W, U.S.B.&M., TAKEN FROM THE DUCHESNE NE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5872 FEET.



EXHIBIT "A"



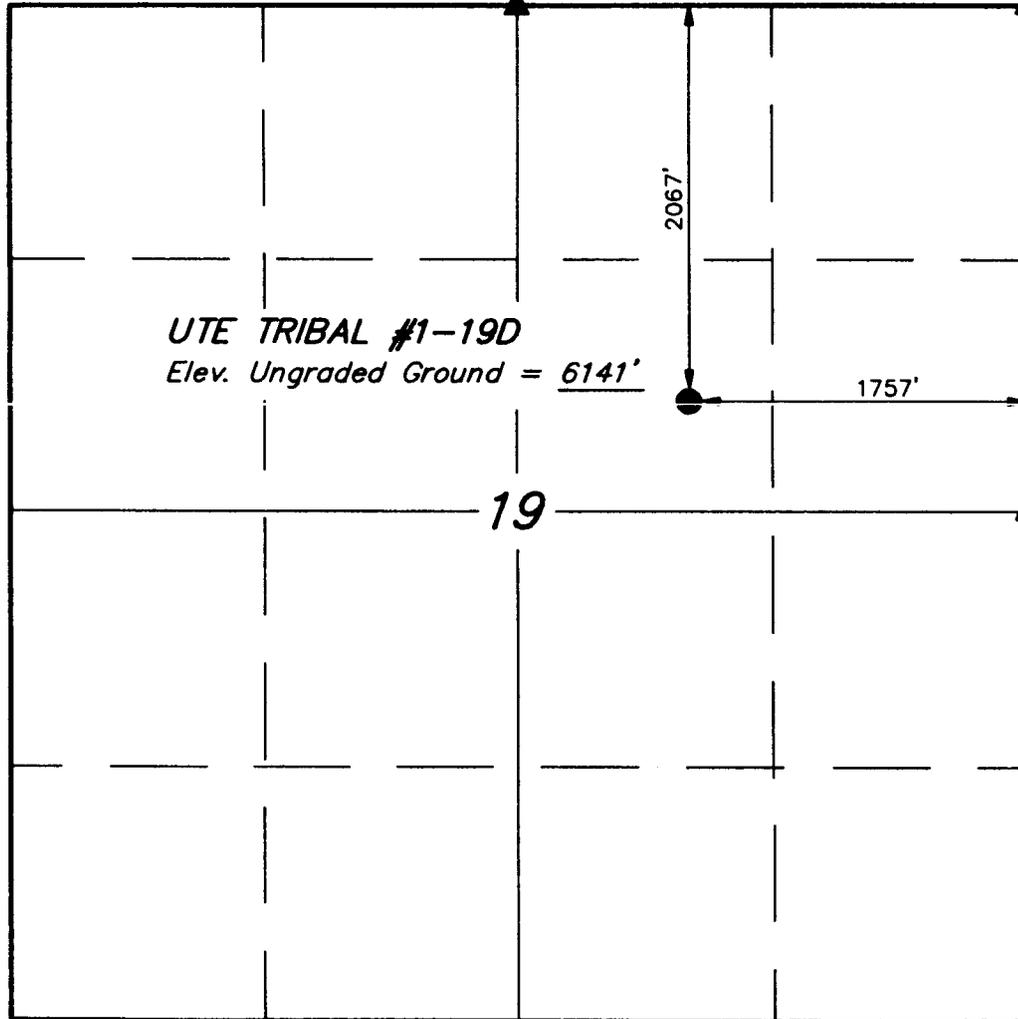
**UINTAH ENGINEERING & LAND SURVEYING**  
 P. O. BOX 1758 - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

|                             |                                       |
|-----------------------------|---------------------------------------|
| SCALE<br>1" = 1000'         | DATE<br>7-7-89                        |
| PARTY<br>L.D.T. D.S. T.D.H. | REFERENCES<br>FIELD MAP - G.L.O. PLAT |
| WEATHER<br>HOT              | FILE<br>COORS ENERGY CO.              |

Set Stone  
U.E.L.S. Alum. Cop

N89°20'49"W - 2640.52'

Set Stone  
U.E.L.S. Alum. Cop  
on 5/8" Rebor.  
Pile of Stones



50°45'20"E - 2637.18'

Set Stone  
U.E.L.S. Alum. Co  
Pile of Stones.

**BASIS OF BEARINGS**

BASIS OF BEARINGS IS THE UTAH STATE GRID, CENTRAL ZONE, ESTABLISHED FROM SOLAR OBSERVATIONS OF THE SUN.

▲ = SECTION CORNERS LOCATED.



RECEIVED  
JUN 28 1990

DIVISION OF  
OIL, GAS & MINING

June 26, 1990

State of Utah  
Division of Oil, Gas & Mining  
3 Triad Center, Suite 350  
355 West North Temple  
Salt Lake City, Utah 84180-1203

Gentlemen:

43-013-31244

Coors Energy Company is requesting an extension to the APD for the following well:

Ute Tribal 1-19D  
Section 19, T4S-R4W  
Duchesne County, Utah

This APD was approved by your office on 8/31/89 and we would appreciate your approval to extend the APD for another year.

Thank you for your consideration. Let us know if you have any questions regarding this request.

Very truly yours,

D. S. Sprague  
Manager  
Engineering

APD extended to 8-31-91.

| OIL AND GAS    |     |
|----------------|-----|
| DPN            | FLF |
| 2 JPB ✓        | GLH |
| DTS            | SLS |
| 1-TAS          |     |
| 2-TAS          |     |
| 4- MICROFILM ✓ |     |
| 5- FILE        |     |

DSS:kr

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 7-23-90  
BY: John R. Baya

Bureau of Land Management  
Vernal District Office  
170 South 500 East  
Vernal, Utah 84078

3162.35  
U-08438

September 17, 1991

Coors Energy Company  
Attn: D. S. Sprague  
P.O. Box 467  
Golden, CO 80402

43-013-31244  
RE: Rescind Application for Permit to Drill  
Well No. Ute Tribal 1-19D  
Section 19, T4S, R4W  
Duchesne County, Utah  
Lease No. 14-20-H62-4452

Dear Mr. Sprague:

The Application for Permit to Drill the above referenced well was approved on September 6, 1989. A request for a one (1) year extension to the APD was submitted and approved. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is rescinding the approval of the referenced application without prejudice. If you intend to drill at this location at a future date, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

Howard B. Cleavinger II  
Assistant District Manager  
for Minerals

cc: Jim Simonton

bcc: Well File  
BIA  
Ute Tribe  
RA

Div. OG&M  
U-922/943  
AIRS

RECEIVED

OCT 03 1991

DIVISION OF  
OIL GAS & MINING

MHerrmann:lds:0519H:9.16.91



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

Norman H. Bangertter  
Governor  
Dee C. Hansen  
Executive Director  
Dianne R. Nielson, Ph.D.  
Division Director

355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, Utah 84180-1203  
801-538-5340

October 9, 1991

Mr. D.S. Sprague  
Coors Energy Company  
P.O. Box 467  
Golden, Colorado 80402

Dear Mr. Sprague:

Re: Well No. Ute Tribal 1-19D, Sec. 19, T. 4S, R. 4W, Duchesne County, Utah,  
API No. 43-013-31244

In concert with action taken by the U.S. Bureau of Land Management, approval to drill the above referenced well is hereby rescinded. A new Application for Permit to Drill must be filed with this office for approval prior to the commencement of any future work on the subject location.

If any previously unreported operations have been performed on this well location, it is imperative that you notify the Division of Oil, Gas and Mining immediately.

Sincerely,

Don Staley  
Administrative Supervisor  
Oil and Gas

DME/lde  
cc: R.J. Firth  
Bureau of Land Management - Vernal  
Well file  
WO1196