

UTAH OIL AND GAS CONSERVATION COMMISSION

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

DATE FILED **1-13-92**

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. **USA-51206** INDIAN

DRILLING APPROVED: **1-17-92 (EXCEPTION LOCATION)**

SPUDDED IN:

COMPLETED: **12-1-92 LA** PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: **LA'D Per BLM EFF. 12-1-92**

FIELD: **UNDESIGNATED**

UNIT:

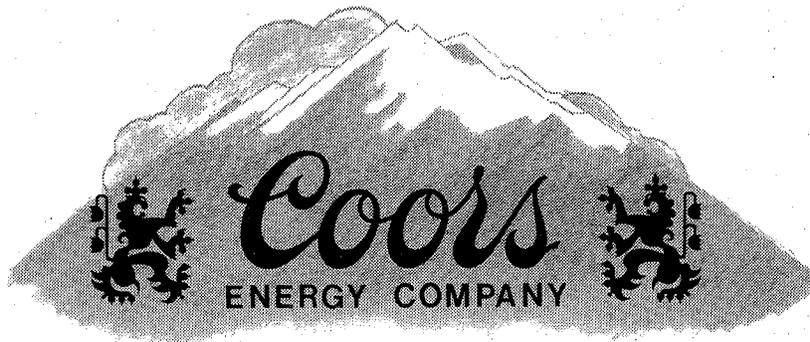
COUNTY: **DUCHESNE**

WELL NO. **FEDERAL 1-27AC** **API NO. 43-013-31346**

LOCATION **672' FSL** FT. FROM (N) (S) LINE. **1013' FWL** FT. FROM (E) (W) LINE. **SW SW** 1/4 - 1/4 SEC. **27**

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
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9S	15E	27	COORS ENERGY COMPANY				
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January 9, 1992

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:

For your approval, we have attached an APD to drill the following well:

Federal 1-27AC
Section 27, T9S-R15E
Duchesne County, Utah

As this well is situated outside the 400' window in the SW/4 of Section 27, we are requesting an exception to the well spacing requirement. Due to topography of this area, we feel this is the best location to drill the Federal 1-27AC.

If you find you will need any additional information, please let us know.

Very truly yours,

Doug S. Sprague
Manager
Engineering & Operations

DSS:kr
Attachments

RECEIVED

JAN 13 1992

DIVISION OF
OIL GAS & MINING

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

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 Single Zone Multiple Zone

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 672' FSL, 1013' FWL, SW/SW, Lot 4
 At proposed prod. zone same

5. Lease Designation and Serial No.
USA U-51206

6. If Indian, Allntee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name
Federal

9. Well No.
1-27AC

10. Field and Pool, or Wildcat
Indesignated Antelope Creek

11. Sec., T., R., M., or Blk. and Survey or Area
Sec. 27, T9S-R15E

12. County or Parrish
Duchesne

13. State
Utah

14. Distance in miles and direction from nearest town or post office*
approx. 15 miles southeast of Duchesne, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any)
1013'

16. No. of acres in lease
474.2300

17. No. of acres assigned to this well

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.
none

19. Proposed depth
6425' GRRV

20. Rotary or cable tools
rotary

21. Elevations (Show whether DF, RT, GR, etc.)
6625' GI

22. Approx. date work will start*
March, 1992

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	8-5/8"	24.00#	400'	300 sks. Class "G" cement
7-7/8"	5-1/2"	15.50#	6425'	900 sks. lite & 50/50 pozmix to be adjusted to caliper

See attached Multipoint and Drilling Program for additional information.

RECEIVED

JAN 13 1992

DIVISION OF
OIL GAS & MINING

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: [Signature] Title: Manager - Engineering/Operations Date: 1/9/92
 (This space for Federal or State office use)

API NO. 43-013-31346 Approval Date _____

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
 DATE: 1-17-92
 BY: [Signature]
 WELL SPACING: 6/5-3-3

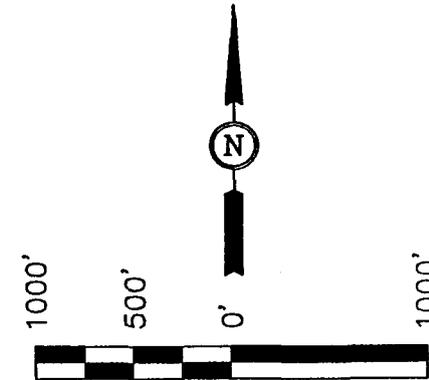
*See Instructions On Reverse Side

COORS ENERGY CO.

Well location, FEDERAL #1-27AC, located as shown in Lot 4 of Section 27, T9S, R15E, S.L.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

BENCH MARK M76 LOCATED IN THE N 1/2 OF SECTION 27, T9S, R15E, S.L.B.&M. TAKEN FROM THE MYTON SW 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 ON BENCH MARK AS BEING 6490 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.

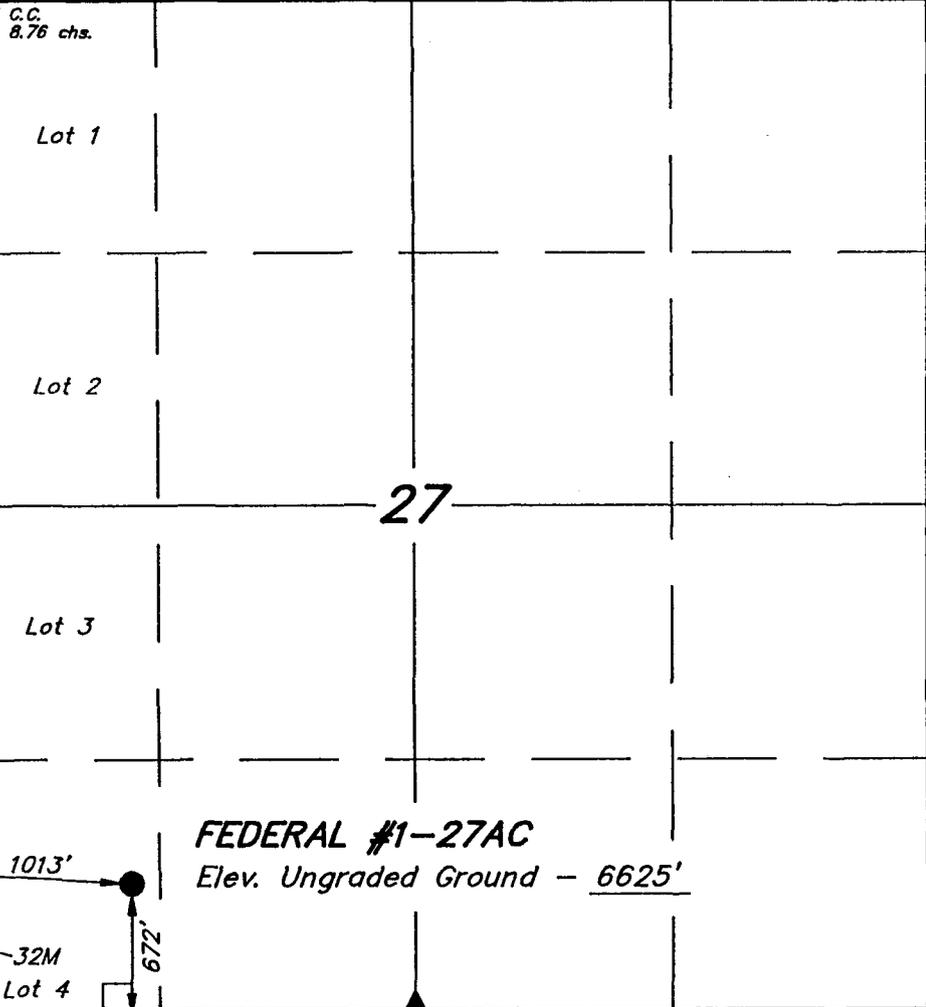
Robert L. Gray
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 5709
 STATE OF UTAH

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

SCALE 1" = 1000'	DATE 10-23-91
PARTY J.F. C.Y. R.E.H.	REFERENCES G.L.O. PLAT
WEATHER WARM	FILE COORS ENERGY CO.

T9S, R15E, S.L.B.&M.

WEST - 73.26 (G.L.O.)



N89°57'43"E - 2513.27' (Meas.)

WEST - 40.00 (G.L.O.)

▲ = SECTION CORNERS LOCATED. (Brass Caps)

EXHIBIT "V"

MERIDIAN LINE
 U.S.B.&M.
 S.L.B.&M.
 31M
 Sec. 33
 CC. 8.76 chs.
 Lot 1
 Lot 2
 Lot 3
 Lot 4
 293.19'
 1013'
 32M
 672'
 1459.02'
 5429.13' - (Measured)
 -0°W - G.L.O. (Basis of Bearings)

N0°01'W - (G.L.O.)

MULTIPOINT SURFACE USE PLAN
COORS ENERGY COMPANY
Federal 1-27AC
SECTION 27, T9S-R15E, SW/4SW/4, Lot 4
DUCHESNE COUNTY, UTAH

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 C, D, E

Access to the Coors Federal 1-27AC 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 10.1 miles to a road to the right, proceed southerly along this road for approximately 7.6 miles to an intersection, turn left (east) and proceed on existing road approximately 0.6 miles. Upon reaching a junction, turn right (south) and travel southerly for approximately 5.7 miles and then northeasterly for approximately 1.4 miles, then southerly approximately .5 miles to the proposed access road.

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

A copy of the ROW and Damage Area plat is attached as Exhibit "E".

2. PLANNED ACCESS ROAD - See Exhibits C, D, E

The surfacing material for the access road will come from the pad site and the access road. The proposed access road is approximately 1.1 miles long (5300') total. The BLM portion is approximately 900'. The access road will have a 30' ROW with an 18' running surface maximum. The maximum grade will be 9%. No turnouts, culverts or bridges are required. There are three low water crossings to be covered with gravel, these crossings are on Indian land.

Coors Energy Company will put a dirt barrier up at the northeast corner of the Ute 1-32 battery to discourage traffic on the old trail.

All travel will be confined to existing access road rights-of-way. The access road surface owner is the Ute Tribe and the BLM.

2. PLANNED ACCESS ROAD - See Exhibits C, D, E
Continued

The new 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 F

Within a 1-mile radius of this proposed well there are no:

- a) known water wells
- b) temporarily abandoned wells
- c) disposal wells
- d) injection wells
- e) monitoring or observation wells
- f) drilling wells
- g) shut in wells
- h) completing wells
- i) P&A wells

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

If the well is a producer, at the time of well completion, a Sundry Notice along with a drawing of the pad site and production facilities will be submitted to the BLM by our Vernal office for approval.

All production facilities will be painted in an earth color - Juniper Green, 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.

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 west side of the location between pts 7 & 8.

A silt catchment dam and basin will be constructed according to BLM specs. approx. 400' northeast of the location.

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

The source of the water used to drill this well will be from Curry Leasing. Water will be taken from the Antelope Draw. Approximately 4000 bbls of water will be required to drill and complete this well. The application number is T92-43-01, the filing number is 43-1688, a copy is attached.

6. SOURCE OF CONSTRUCTION MATERIALS - See Exhibit B

The top 6" of topsoil will be removed from the well pad and stored on the south end of the location between pts 6 & C 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 these lands will be left in place and the BLM 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

During production operations, all produced waters will be disposed of according to NTL-2B stipulations. Produced waste water will be confined to a lined pit or, if deemed necessary, a storage tank for a period not to exceed 90 days after first production. 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 mud reserve pits will be located on the southeast side of the location between points A & C and will be constructed for containment of drill cuttings as well as all drilling fluids and produced fluids. The pit will be fenced as per statements in Section 9. The reserve pit will be lined with a plastic reinforced nylon to prevent seepage. The liner will be a minimum of 12 mil thickness with sufficient bedding to cover the rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash, scrap pipe, etc., that could puncture the liner will be disposed of in the pit. Upon completion, the reserve pit will be allowed to dry and then back-filled and the area restored according to BLM requirements.

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.

The drilling waste pits will be fenced on three sides with 39" woven sheep wire with one strand of barbed wire on top of the sheep wire. Upon completion of the drilling operations, the fourth side will be fenced. 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 southeast side of location between pts A & C. The stockpiled topsoil will be stored on the south side between points 6 and C. Access to the well pad will be made from the west side between points 7 & 8.

The flare pit will be located a minimum of 100' from the wellhead and a minimum of 30' from the reserve pit on the southeast side of the location. The northwest corner of the location (#8) will be rounded off to avoid the draw on the west side by 10'.

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 south side of the well site as shown on Exhibit "B", between pts 6 & C.

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 within 90 days from the date of well completion. Before any dirt work takes place, the reserve pit must have all fluids and hydrocarbons removed and all cans, barrels, pipe, etc. will be removed.

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, if acceptable to Private Surface Owner, 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. If seeding is unsuccessful, the operator may be required to make subsequent seedings.

A list of pesticides to control noxious weeds will be submitted to the BLM for approval. We will follow the recommended procedure and spray with the suggested chemicals to control weeds in these areas.

Coors will notify the Surface Owner 48 hours prior to starting rehabilitation procedures.

11. SURFACE OWNERSHIP

The BLM has 100% surface ownership of the location of the Federal 1-27AC well site.

12. OTHER INFORMATION - See Exhibits G, L

The Federal 1-27AC is located approximately 15 miles southeast of Duchesne, Utah.

The operator or his contractor shall contact the BLM offices at (801) 789-1362 between 24 and 48 hours prior to construction activities and prior to moving on the drilling rig. The BLM contact is Ralph Brown or Tim O'Brien.

A copy of the Threatened and Endangered Study is attached for your review. An archeological survey has been scheduled but will not be completed until the Spring of 1992.

Coors will not allow the storing of drilling rigs or equipment used during drilling operations on this wellsite. If for some reason, it would be necessary to do so for a short period of time, permission will be requested from the BLM.

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 BLM.

As this well will be accessed by crossing a Uintah and Ouray Indian Reservation, Coors will work closely with Ute Tribal representatives to ensure all Tribal requirements for crossing Indian lands are followed. Attached is a copy of the 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.

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

Jim Simonton
Superintendent, Roosevelt
Field Office
PO Box 460
Roosevelt, Utah 84066
Phone: (801) 722-9977

CERTIFICATIONS, See Exhibits H, I

See Self-Certification Statement and Certification by Operator's Representative

/kr

DRILLING PROGRAM

Federal 1-27AC
Section 27, T9S-R15E, SW/SW
Duchesne County, Utah
Lease No. USA U-51206

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 to Jim Simonton, Coors Energy Field Supervisor, to ensure compliance.

DRILLING PROGRAM

The duration of drilling operations for this well will be approximately 10 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 Uintah Formation. Oil and Gas is expected in the Green River Formation. 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.

Uinta:	470'	Green River:	1335'
Upper Douglas Creek:	4410',	TD:	6425'

Coors Energy will report ALL water shows and water-bearing sands to Tim Ingwell of the BLM, Vernal, Utah. 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.

2. Pressure Control Equipment, See Exhibit "J"

Coors Energy's pressure control equipment will consist of 3000 psi double rams with an annular preventer and rotating head. 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 "J" - 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 stack working pressure when test plug is used to isolate BOP's, if not isolated BOP's will be tested to a minimum of 70% of the internal yield of the casing. Annular preventers will be tested to 50% of rated working pressure. 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 each trip but if more than one trip is made in a day, rams are only required to be operated on one of the trips. Each operation of rams will be recorded on the 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 1700 psi.

Coors Energy will notify the Vernal District Office with sufficient lead time in order to have a BLM AO 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 CASING</u>	<u>LBS/FOOT</u>	<u>SETTING DEPTH</u>	<u>QUANTITY OF CEMENT</u>
12-1/4"	8-5/8"	24.00#	400'	300 sks. Class "G" w/2% CACL2, TOC surface
7-7/8"	5-1/2"	15.50#	6425'	900 sks. lite and 50/50 pozmix to be adjusted to caliper

Casing to be run will be K-55, surface casing will be STC and production casing will be LTC.

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 minimum 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 surface hole will be drilled with air if spudded with a rat hole rig or a gel-lime spud mud if drilled with rotary rig.

The proposed circulating medium below surface casing will be 2% KCl water with additives as needed to control mud properties and bottom hole pressures.

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.

The logging program will be determined prior to completion of the drilling 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. DST's are not planned.

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 casing.

Whether the well is completed as a dry hole or as a producer, a "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 electric logs, core descriptions and analyses will be filed with Form 3160-4. If any further information is requested, it 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 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.

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.

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.

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.

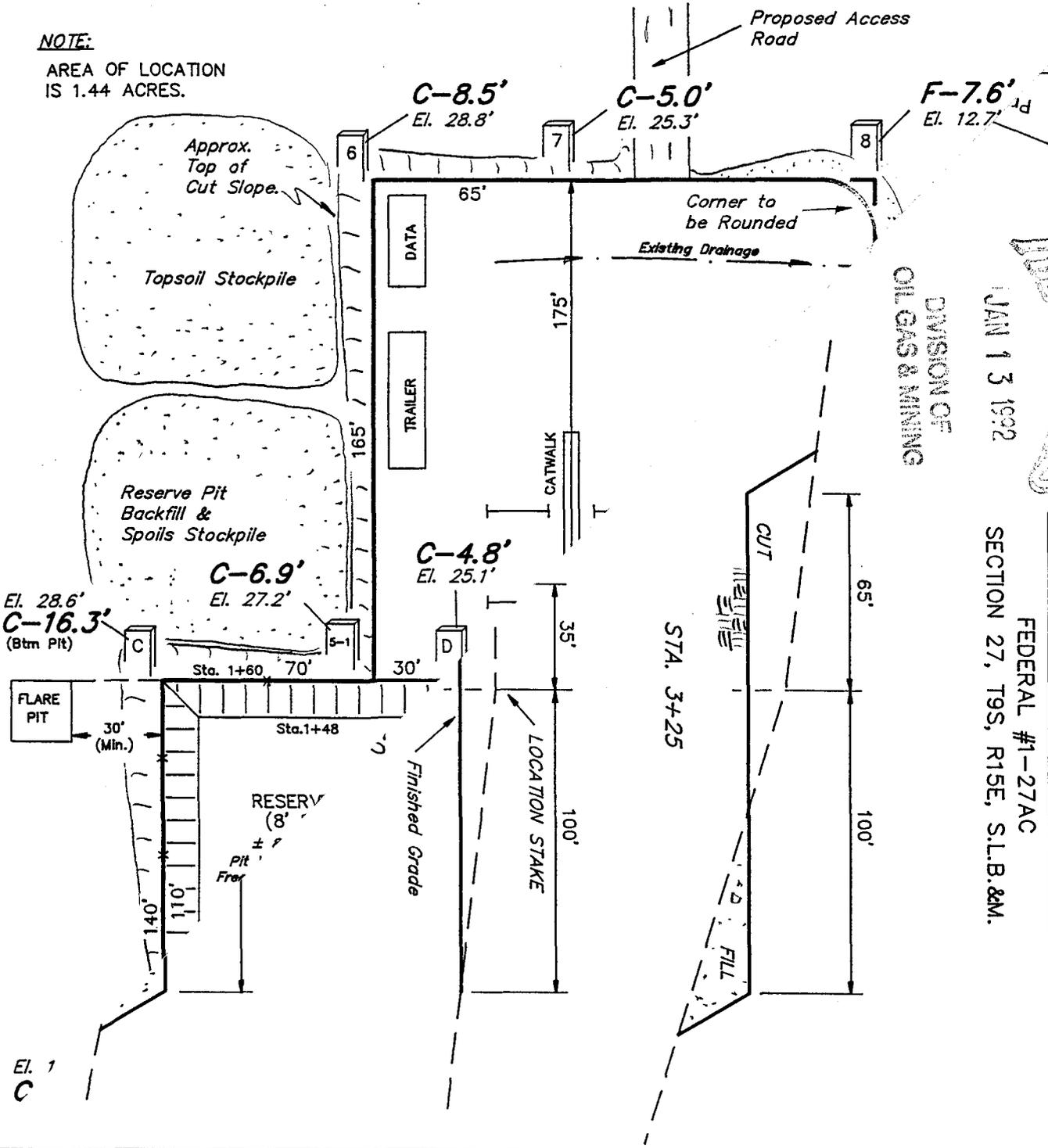
Coors Energy understands that the date on which production is commenced will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which 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.

/kr

NOTE:
 AREA OF LOCATION
 IS 1.44 ACRES.



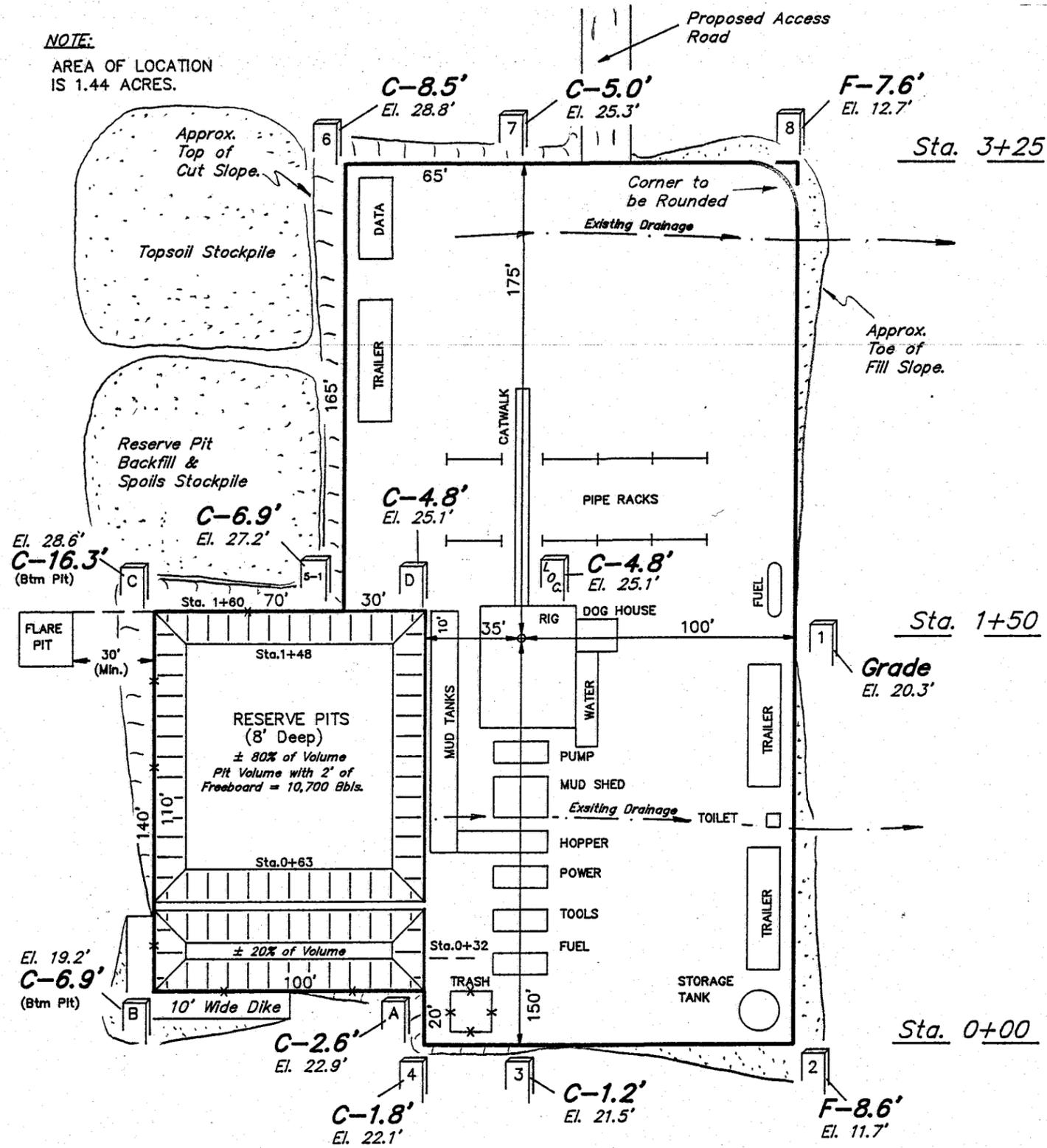
RECEIVED
 JAN 13 1992

DIVISION OF
 OIL GAS & MINING

COORS ENERGY CO.
 LOCATION LAYOUT FOR
 FEDERAL #1-27AC
 SECTION 27, T9S, R15E, S.L.B.&M.

NOTE:

AREA OF LOCATION IS 1.44 ACRES.



APPROXIMATE YARDAGES

CUT		
(6") Topsoil Stripping	=	1,160 Cu. Yds.
Remaining Location	=	7,310 Cu. Yds.
TOTAL CUT	=	8,470 CU.YDS.
FILL	=	5,430 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	2,750 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,750 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.

RECEIVED

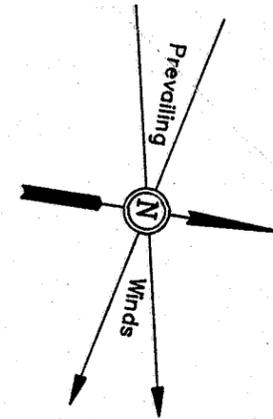
JAN 13 1992

DIVISION OF OIL GAS & MINING

COORS ENERGY CO.

LOCATION LAYOUT FOR

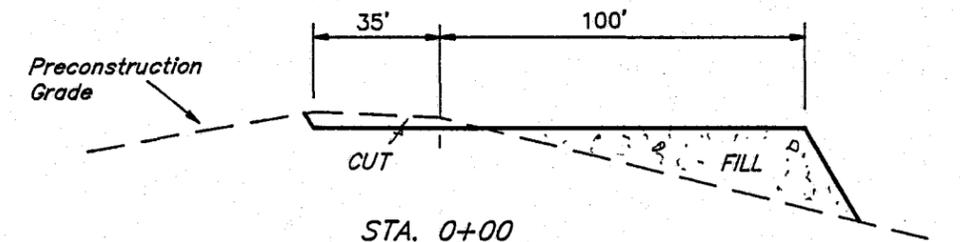
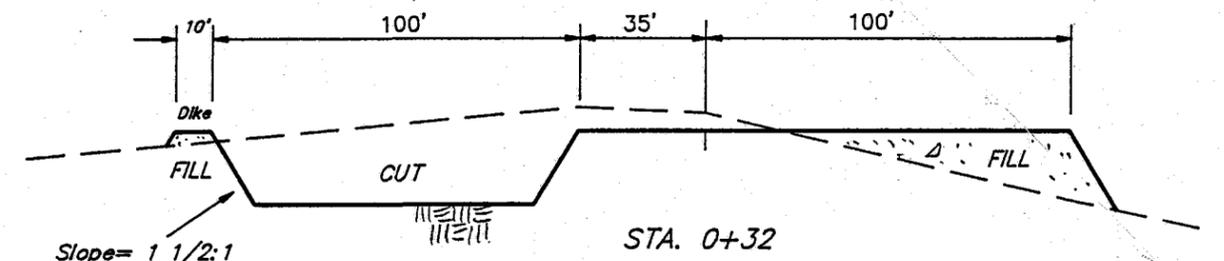
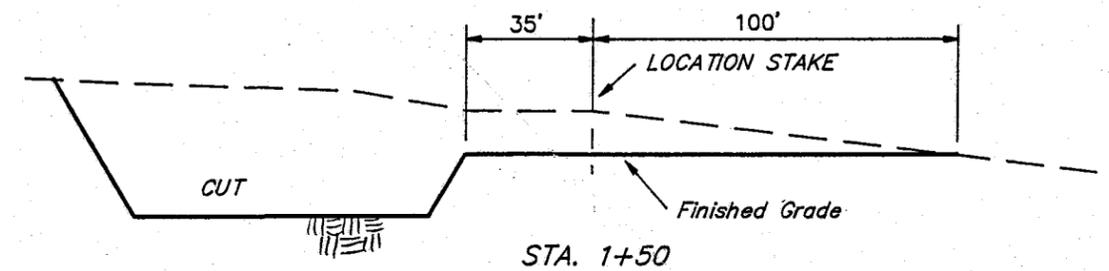
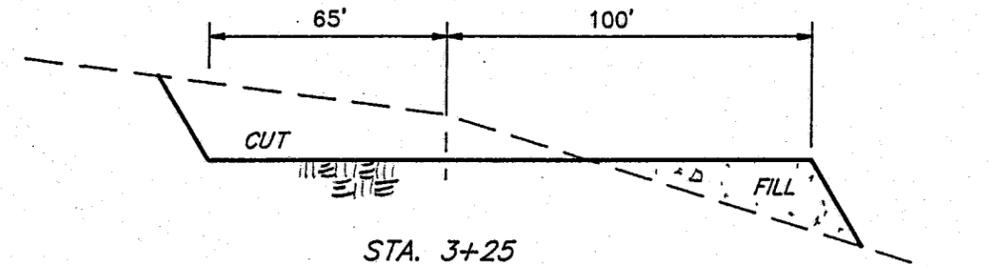
FEDERAL #1-27AC
SECTION 27, T9S, R15E, S.L.B.&M.



SCALE: 1" = 50'
DATE: 10-23-91
Drawn By: T.D.H.
Revised: 11-14-91

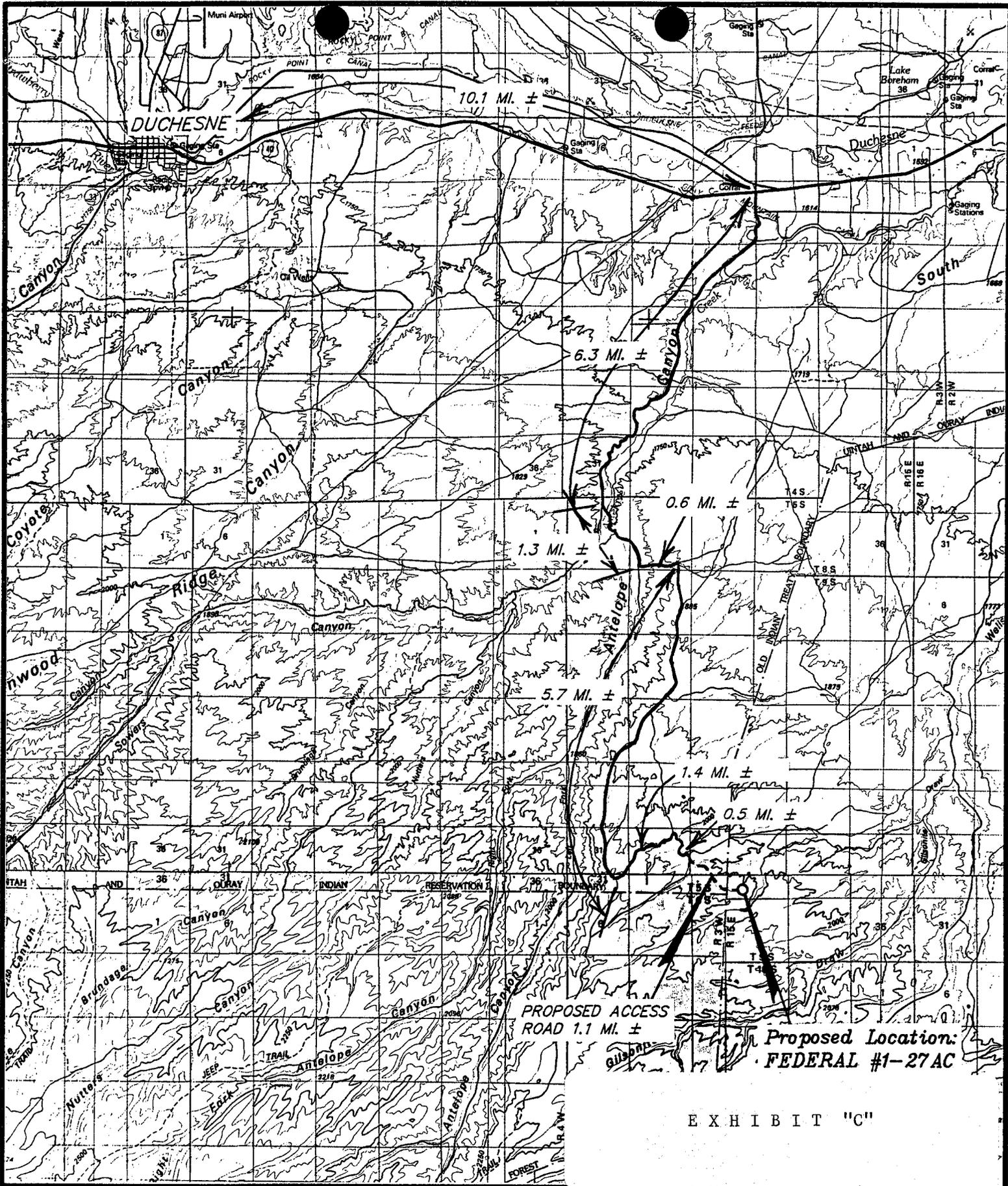
X-Section Scale
1" = 20'
1" = 50'

TYP. LOCATION LAYOUT TYP. CROSS SECTIONS



Elev. Ungraded Ground at Loc. Stake = 6625.1'
Elev. Finished Grade at Loc. Stake = 6620.3'

UINTAH ENGINEERING & LAND SURVEYING
85 South 200 East Vernal, Utah



TOPOGRAPHIC
MAP "A"

DATE 10-23-91 R.E.H.



COORS ENERGY CO.

FEDERAL #1-27AC
SECTION 27, T9S, R15E, S.L.B.&M.

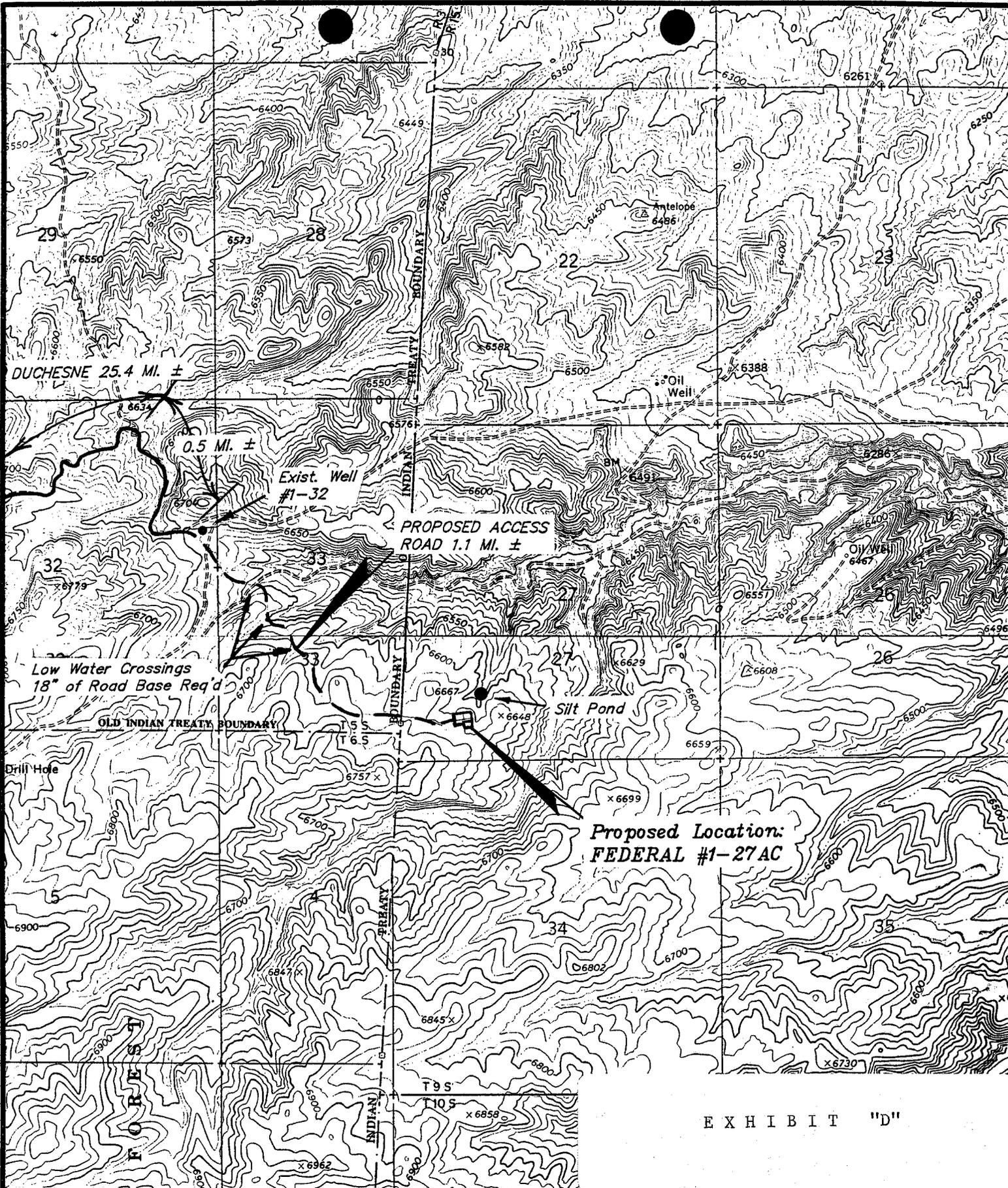


EXHIBIT "D"

TOPOGRAPHIC
 MAP "B"
 SCALE: 1" = 2000'
 DATE 10-23-91 R.E.H.



COORS ENERGY CO.
 FEDERAL #1-27AC
 SECTION 27, T9S, R15E, S.L.B.&M.
 Revised: 11-14-91 T.D.H.

COORS ENERGY CO.
FEDERAL #1-27AC
ROAD RIGHT-OF-WAY
SECTIONS 32 & 33, T5S, R3W, U.S.B.&M.

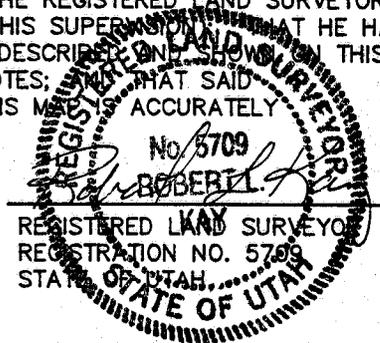
TOTAL ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

TOTAL LENGTH OF RIGHT-OF-WAY IS 5,326.53' OR 1.01 MILES. WIDTH OF RIGHT-OF-WAY IS 30' (15' PERPENDICULAR ON EACH SIDE OF THE CENTERLINE). CONTAINS 3.67 ACRES MORE OR LESS.

ENGINEER'S AFFIDAVIT

STATE OF UTAH }
COUNTY OF UINTAH } SS

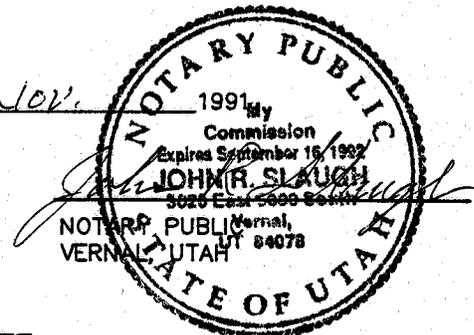
ROBERT L. KAY, BEING FIRST DULY SWORN DEPOSES AND STATES THAT HE IS THE REGISTERED LAND SURVEYOR, FOR COORS ENERGY CO., THAT THESE SURVEYS WERE MADE BY HIM (OR UNDER HIS SUPERVISION) THAT HE HAS EXAMINED THE FIELD NOTES OF THE SURVEYS OF THE ROAD RIGHT-OF-WAY AS DESCRIBED ON THIS MAP, THAT THIS MAP WAS PREPARED UNDER HIS DIRECTION FROM SAID FIELD NOTES; THAT SAID RIGHT-OF-WAY, 1.01 MILES IN LENGTH BEGINNING AND ENDING AS SHOWN ON THIS MAP IS ACCURATELY REPRESENTED.



ACKNOWLEDGEMENT

SUBSCRIBED AND SWORN BEFORE ME THIS 21 DAY OF Nov. 1991

MY COMMISSION EXPIRES Sept. 16, 1992



APPLICANT'S CERTIFICATE

I, _____, DO HEREBY CERTIFY THAT I AM THE AGENT FOR COORS ENERGY CO., HERINAFTER DESIGNATED THE APPLICANT; THAT ROBERT L. KAY WHO SUBSCRIBED TO THE FOREGOING AFFIDAVIT, IS EMPLOYED BY THE APPLICANT AS A LAND SURVEYOR AND THAT HE WAS DIRECTED BY THE APPLICANT TO SURVEY THE LOCATION OF THIS ROAD RIGHT-OF-WAY, 1.01 MILES IN LENGTH BEGINNING AT STA. 0+00 AND ENDING AT STA. 53+26.53, THAT SAID ROAD RIGHT-OF-WAY IS ACCURATELY REPRESENTED ON THIS MAP; THAT SUCH SURVEY AS REPRESENTED ON THIS MAP HAS BEEN ADOPTED BY THE APPLICANT AS THE DEFINITE LOCATION OF THE RIGHT-OF-WAY THEREBY SHOWN; AND THAT THE MAP HAS BEEN PREPARED TO BE FILED WITH THE SECRETARY OF THE INTERIOR OR HIS DULY AUTHORIZED REPRESENTATIVE AS PART OF THE APPLICATION FOR SAID RIGHT-OF-WAY TO BE GRANTED THE APPLICANT, ITS SUCCESSORS AND ASSIGNS, WITH THE RIGHT TO CONSTRUCT, MAINTAIN, AND REPAIR IMPROVEMENTS, THEREON AND THEREOVER, FOR SUCH PURPOSES, AND WITH THE FURTHER RIGHT IN THE APPLICANT, ITS SUCCESSORS AND ASSIGNS TO TRANSFER THIS RIGHT-OF-WAY BY ASSIGNMENT, GRANT, OR OTHERWISE.

EXHIBIT "E"

APPLICANT

TITLE

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

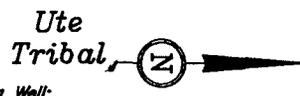
Section Line

31M.
SET STONE

(bearings)

1/4 Section Line

NE 1/4



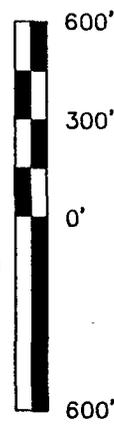
Existing Well:
COORS #1-32

Exist. Road

ROAD RIGHT-OF-WAY DESCRIPTION

15' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE DESCRIBED CENTERLINE.

BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00 (At Existing Well Pad)



SCALE

PROPOSED ROAD RIGHT-OF-WAY ON UTE TRIBAL LANDS

(For FEDERAL #1-27AC) LOCATED IN

SECTIONS 32 & 33, T5S, R3W, U.S.B. & M. DUCHESENE COUNTY, UTAH

COORS ENERGY CO.

Sec. 32

1/4 Sect.

A POINT IN THE NE 1/4 OF SECTION 32, T5S, WHICH BEARS S59°02'05"W 4587.12' FROM THE BOUNDARY MILE MARKER 31, THENCE THENCE S69°09'12"E 178.82'; THENCE S47°43'56"E 115.15'; THENCE A POINT IN THE SW 1/4 OF SECTION THENCE S43°33'38"E 107.60'; THENCE N89°27'19"E 360.58'; THENCE S27°44'12"E 102.86'; THENCE S40°16'47"W 98.45'; THENCE S1°08'56"E 50.20'; THENCE S59°11'40"E 114.99'; THENCE S46°20'12"E 99.38'; THENCE S47°34'48"E 96.42'; THENCE S52°00"E 66.56'; THENCE S8°14"E 74.31'; THENCE S50°57"E 103.26'; THENCE S269.83'; THENCE S119.45'; THENCE S4.85';

NR.	BEAR	DI
1	S47°34'48"E 96.42'	269.83'
2	S52°00"E 66.56'	119.45'
3	S8°14"E 74.31'	4.85'
4	S50°57"E 103.26'	
5	S269.83'	
6	S119.45'	
7	S4.85'	

BOUNDARY

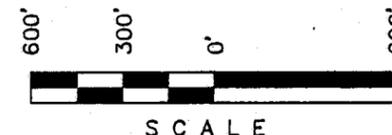
T5S, R3W, U.S.B.&M.

COORS ENERGY CO.

**PROPOSED
ROAD RIGHT-OF-WAY
ON UTE TRIBAL LANDS**

(For FEDERAL #1-27AC)

LOCATED IN
SECTIONS 32 & 33, T5S, R3W, U.S.B.&M.
DUCHESNE COUNTY, UTAH

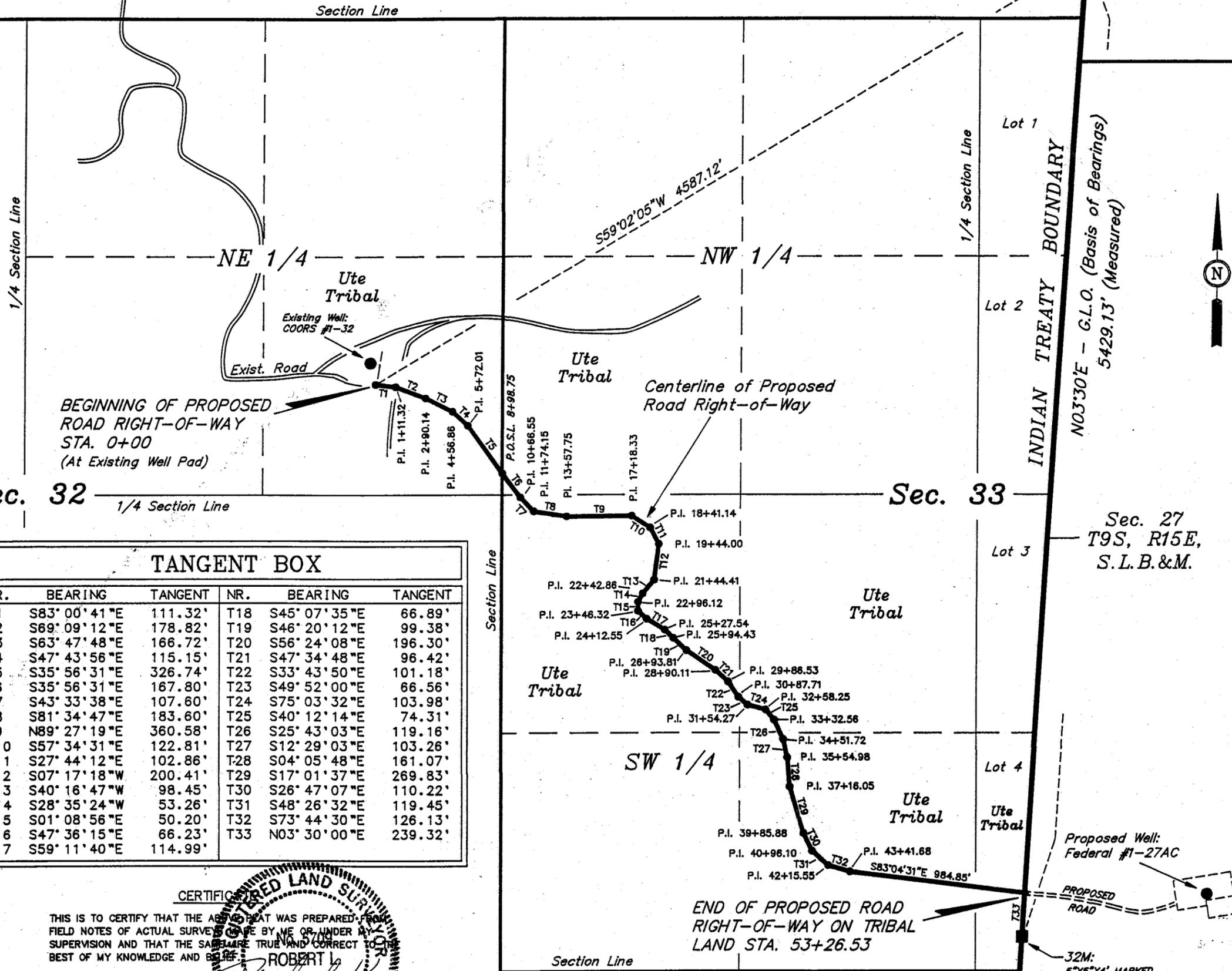


ROAD RIGHT-OF-WAY DESCRIPTION

A 30' WIDE RIGHT-OF-WAY 15' ON EACH SIDE OF THE FOLLOWING DESCRIBED CENTERLINE.
BEGINNING AT A POINT IN THE NE 1/4 OF SECTION 32, T5S, R3W, U.S.B.&M. WHICH BEARS S59°02'05"W 4587.12' FROM THE INDIAN TREATY BOUNDARY MILE MARKER 31, THENCE S83°00'41"E 111.32'; THENCE S69°09'12"E 178.82'; THENCE S63°47'48"E 166.72'; THENCE S47°43'56"E 115.15'; THENCE S35°56'31"E 494.54' TO A POINT IN THE SW 1/4 OF SECTION 33, T5S, R3W, U.S.B.&M.; THENCE S43°33'38"E 107.60'; THENCE S81°34'47"E 183.60'; THENCE N89°27'19"E 360.58'; THENCE S57°34'31"E 122.81'; THENCE S27°44'12"E 102.86'; THENCE S71°17'18"W 200.41'; THENCE S40°16'47"W 98.45'; THENCE S28°35'24"W 53.26'; THENCE S1°08'56"E 50.20'; THENCE S47°36'15"E 66.23'; THENCE S59°11'40"E 114.99'; THENCE S45°07'35"E 66.89'; THENCE S46°20'12"E 99.38'; THENCE S56°24'08"E 196.30'; THENCE S47°34'48"E 96.42'; THENCE S33°43'50"E 101.18'; THENCE S49°52'00"E 66.56'; THENCE S75°03'32"E 103.98'; THENCE S40°12'14"E 74.31'; THENCE S25°43'03"E 119.16'; THENCE S12°29'03"E 103.26'; THENCE S4°05'48"E 161.07'; THENCE S17°01'37"E 269.83'; THENCE S26°47'07"E 110.22'; THENCE S48°26'32"E 119.45'; THENCE S73°44'30"E 126.13'; THENCE S83°04'31"E 984.85' TO A POINT ON THE EAST LINE OF SAID SECTION 33 WHICH BEARS N3°30'00"E 239.32' FROM THE INDIAN TREATY BOUNDARY MILE MARKER 32. THE SIDE LINES OF SAID DESCRIBED RIGHT-OF-WAY BEING SHORTENED OR ELONGATED TO MEET THE GRANTOR'S PROPERTY LINES. BASIS OF BEARINGS IS THE INDIAN TREATY BOUNDARY LINE BETWEEN MILE MARKER 32 AND MILE MARKER 31 WHICH IS ASSUMED FROM G.L.O. INFORMATION TO BEAR N3°30'E. CONTAINS 3.67 ACRES MORE OR LESS.

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

SCALE 1" = 600'	DATE 11-20-91
PARTY J.F. C.Y.	REFERENCES J.R.S. G.L.O. PLAT
WEATHER COOL	FILE 4 0 1 4 7



BEGINNING OF PROPOSED ROAD RIGHT-OF-WAY STA. 0+00 (At Existing Well Pad)

Centerline of Proposed Road Right-of-Way

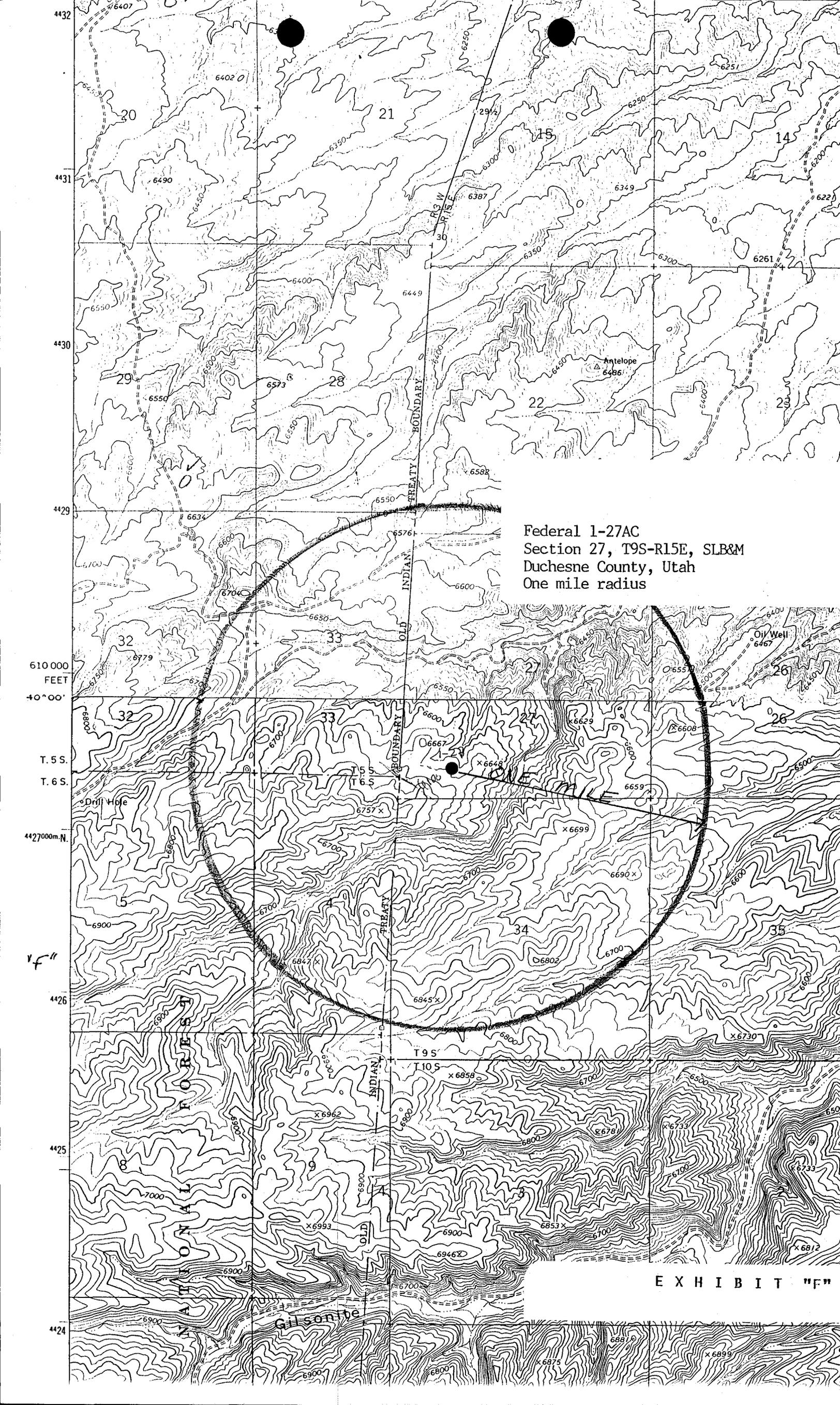
END OF PROPOSED ROAD RIGHT-OF-WAY ON TRIBAL LAND STA. 53+26.53

■ = MILE MARKERS LOCATED.

TANGENT BOX

NR.	BEARING	TANGENT	NR.	BEARING	TANGENT
T1	S83° 00' 41" E	111.32'	T18	S45° 07' 35" E	66.89'
T2	S69° 09' 12" E	178.82'	T19	S46° 20' 12" E	99.38'
T3	S63° 47' 48" E	166.72'	T20	S56° 24' 08" E	196.30'
T4	S47° 43' 56" E	115.15'	T21	S47° 34' 48" E	96.42'
T5	S35° 56' 31" E	326.74'	T22	S33° 43' 50" E	101.18'
T6	S35° 56' 31" E	167.80'	T23	S49° 52' 00" E	66.56'
T7	S43° 33' 38" E	107.60'	T24	S75° 03' 32" E	103.98'
T8	S81° 34' 47" E	183.60'	T25	S40° 12' 14" E	74.31'
T9	N89° 27' 19" E	360.58'	T26	S25° 43' 03" E	119.16'
T10	S57° 34' 31" E	122.81'	T27	S12° 29' 03" E	103.26'
T11	S27° 44' 12" E	102.86'	T28	S04° 05' 48" E	161.07'
T12	S07° 17' 18" W	200.41'	T29	S17° 01' 37" E	269.83'
T13	S40° 16' 47" W	98.45'	T30	S26° 47' 07" E	110.22'
T14	S28° 35' 24" W	53.26'	T31	S48° 26' 32" E	119.45'
T15	S01° 08' 56" E	50.20'	T32	S73° 44' 30" E	126.13'
T16	S47° 36' 15" E	66.23'	T33	N03° 30' 00" E	239.32'
T17	S59° 11' 40" E	114.99'			

CERTIFICATE OF REGISTERED LAND SURVEYOR
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.
ROBERT L. HENNING
REGISTERED LAND SURVEYOR
REGISTRATION NO. 5709
STATE OF UTAH



Federal 1-27AC
Section 27, T9S-R15E, SLB&M
Duchesne County, Utah
One mile radius

EXHIBIT "F"



UTE Energy & Minerals
P.O. Box 190
Fort Duchesne, Utah 84026

(801) 722-8141 x219

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 "G"



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.

1-8-92
Date

D.S. Sprague
D.S. Sprague
Manager
Engineering and Operations

DSS:kr

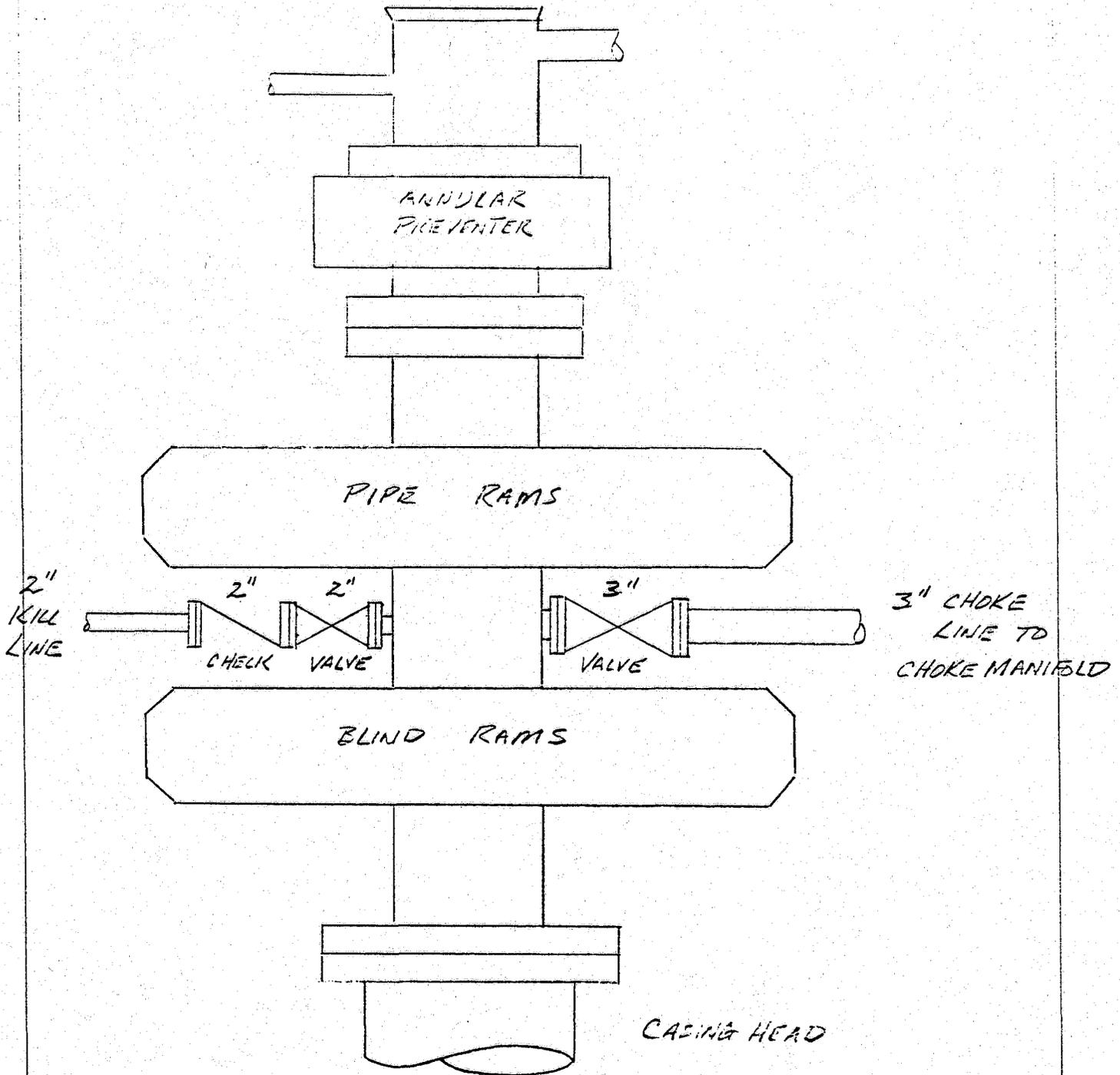
EXHIBIT "H"

1. Self-certification statement. Under the Federal regulations in effect as of June 15, 1988, designation of operator forms are no longer required when the operator is not the 100% record title holder. An operator is now required to submit a self-certification statement to the appropriate Bureau office stating that said operator has the right to operate upon the leasehold premises. Said notification may be in the following format:

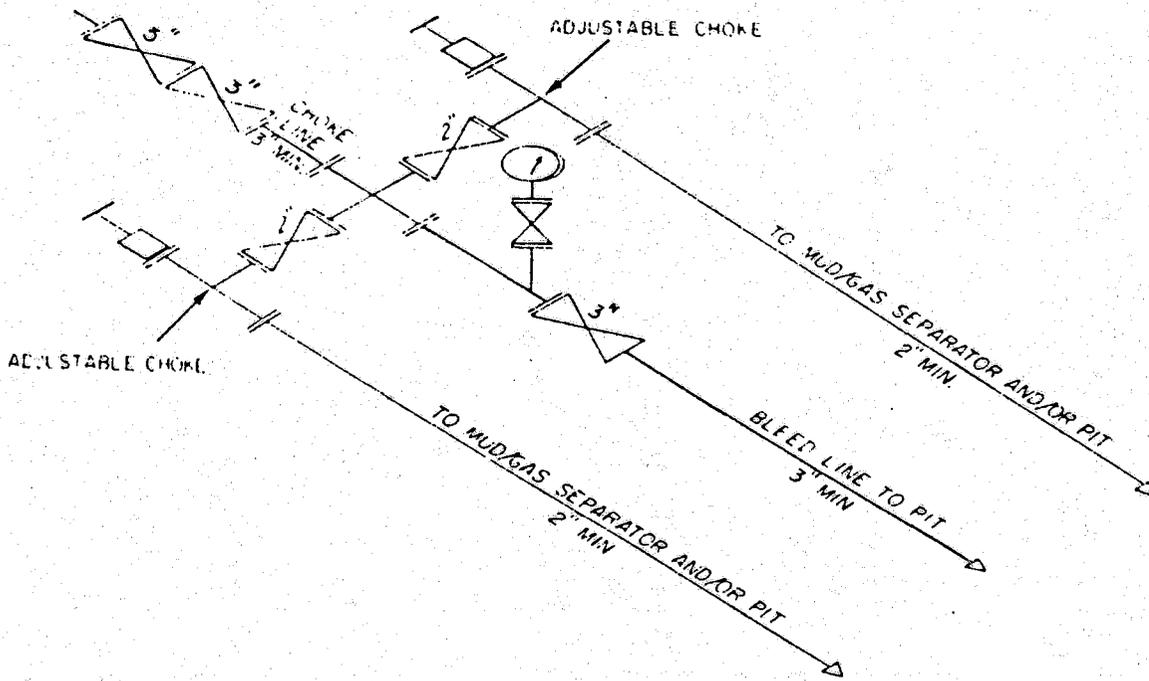
"Please be advised that Coors Energy Company is considered to be the operator of Well No. 1-27AC; SW 1/4 SW 1/4 Section 27, Township 9S, Range 15E; Lease USA U-51206; Duchesne County, Utah; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond coverage is provided by American Casualty Co. of Reading, P.A. (No. C0019-BLM)

BLEEDOUT PREVENTION EQUIPMENT

3000 PSI W.P.



1. ANNULAR PREVENTER
2. DOUBLE RAM, PIPE AND BLIND RAMS WITH 2 SIDE OUTLETS FOR KILL AND CHOKE 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 CHOKES MANIFOLD EQUIPMENT — CONFIGURATION MAY VARY

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.

CHANGE APPLICATION NUMBER: t92-43-01

WATER RIGHT NUMBER: 43 - 1688

This Change Application proposes to change the POINT(S) OF DIVERSION, PLACE OF USE, and NATURE OF USE.

1. OWNERSHIP INFORMATION.

- A. **NAME:** J. Willis Moon Elmer Moon & Orven Moon
ADDRESS: C/O Curry Leasing, P. O. Box 227, Altamont, UT 84001
- B. **PRIORITY OF CHANGE:** January 2, 1992 **FILING DATE:** January 2, 1992
- C. **RIGHT EVIDENCED BY:** Appl 994

-----*
 * **DESCRIPTION OF CURRENT WATER RIGHT:** *

2. SOURCE INFORMATION.

- A. **QUANTITY OF WATER:** 1.714 cfs
- B. **DIRECT SOURCE:** Antelope Draw **COUNTY:** Duchesne
- C. **POINT OF DIVERSION -- SURFACE:**
 (1) N 424 feet W 2569 feet from E 1/2 corner, Section 16, T 4S, R 3W, USBM

3. WATER USE INFORMATION.

IRRIGATION: from Apr 1 to Sep 30. **IRRIGATING:** 124.90 acres.

-----*

4. PLACE OF USE. (Which includes all or part of the following legal subdivisions:)

BASE TOWN	RANG	SEC	NORTH-EAST 1/4				NORTH-WEST 1/4				SOUTH-WEST 1/4				SOUTH-EAST 1/4			
			NE	NW	SW	SE												
US	4S	3W																
		10											X	X				
		15					X	X										

EXHIBIT "K"

THREATENED AND ENDANGERED SPECIES SURVEY
OF FOUR PROPOSED WELL SITES

This Report Covers Wells:

Ute Tribal 1-21D
Ute Tribal 1-22D
Ute Tribal 5-17D
Federal 1-27AC

Prepared for

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

Prepared by

PETER E. KUNG
BIOLOGICAL CONSULTING & SURVEY
346 NORTH 400 WEST
LOGAN, UTAH 84321

December 1991

EXHIBIT "L"

THREATENED AND ENDANGERED SPECIES SURVEY
OF FOUR PROPOSED WELL SITES

On Dec. 10, 1991 four proposed well sites and access corridors leading to these well sites were surveyed for listed and candidate Threatened and Endangered species. The survey was conducted for Coors Energy Co. The 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 seven T&E species searched for during the survey are peregrine falcon, bald eagle, whooping crane, black-footed ferret, Colorado River squawfish, Uinta Basin hookless cactus, and Barneby Ridge-cress (formerly peppergrass). In addition, seven 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, and razorback sucker.

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 survey was conducted by walking back-and-forth over the proposed well site and buffer area so 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 sites and within 0.10 miles of the proposed access corridors. Special attention was given to cliffs, large trees, and other sites frequently used for nesting. During the survey, physical, floral, and faunal characteristics of each site and surroundings were assessed.

No T&E species were observed, nor was there any sign (e.g. tracks, feces, nests, burrows, etc.) that suggest such species had occurred in the areas surveyed in the recent past.

Data on the physical and floristic characteristics of the proposed well sites indicate that some appropriate habitat may exist 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 portions 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 portions 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 the 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 sites 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 (shrub/grassland) but may be found in pinyon-juniper habitat as well. It nests on the ground or atop isolated pinyons or junipers and has been historically recorded near Myton, Pleasant Valley, and Roosevelt. This species will forage and nest in the open, shrub-dominated vegetation types such as that surrounding the proposed sites. A successful tree nesting effort by a Ferruginous pair in similar habitat was documented in the Antelope Oil Field during the 1991 breeding season. No new nests were found during the current

survey within 0.5 mi. of the proposed sites. All potential Ferruginous hawk nests found during previous surveys and any potential new nest locations identified in subsequent surveys should be considered as possible future nest sites and treated in accordance with BLM 1991 Duchesne Oil Field EA recommendations. Well development and production should be undertaken so as to minimize potential impacts to possible Ferruginous hawk 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. Occasionally sightings of bald eagles foraging near the proposed well sites 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 areas 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. No

prairie dog colonies or sign were encountered at the surveyed sites.

Unita 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 Ridge-cress - Barneby Ridge-cress (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. Three additional populations have been identified southeast of this location in the Duchesne Oil Field. Expertise attained by the author while documenting these populations indicates no appropriate habitat exists near the proposed well sites.

In summary, only a few of the 14 T&E species searched for are likely to occur in the areas surveyed, but none were actually encountered.

Specific descriptions of the four proposed well sites and access corridors follows.

SITE DESCRIPTION

SITE NAME: Federal 1-27 AC Access road, Duchesne County, Utah

SITE LOCATION: Lot 4, Sec 27, T9S, R15E

PHYSICAL CHARACTERISTICS

Elevation: Approx 6650 to 6625 ft.

Topography: Series of NE trending drainages, SE aspect

Substrate: Shaly clay loam

Access Road Length: Approx. 5326 ft.

FLORAL CHARACTERISTICS

Habitat Type: Pinyon Juniper, mixed desert shrub drainages

Percent Ground Cover: Variable 40-70% total cover

Canopy Height: 8 ft. trees; 16 in. shrubs

Dominant Shrubs and Trees (in order of abundance):

Juniperus osteosperma, Pinus edulus, Artemisia nova,
Artemisia tridentata, Atriplex confertifolia,
Chrysothamnus nauseosus, Sarcobatus vermiculatus,
Gutierrezia spp.

Common Forbs and Grasses:

Oryzopsis hymenoides, Bouteloua gracilis, Halimolobos
jamesii

Miscellaneous:

FAUNAL CHARACTERISTICS

Vertebrates Observed on and Near Site: Approx 50 elk near existing well #1-32 at beginning of proposed well access road.

Wildlife Sign: Elk tracks and scat, heard pinyon jay

Permanent Water: None

Observed Threatened and Endangered Species: None

Raptor Nests: None

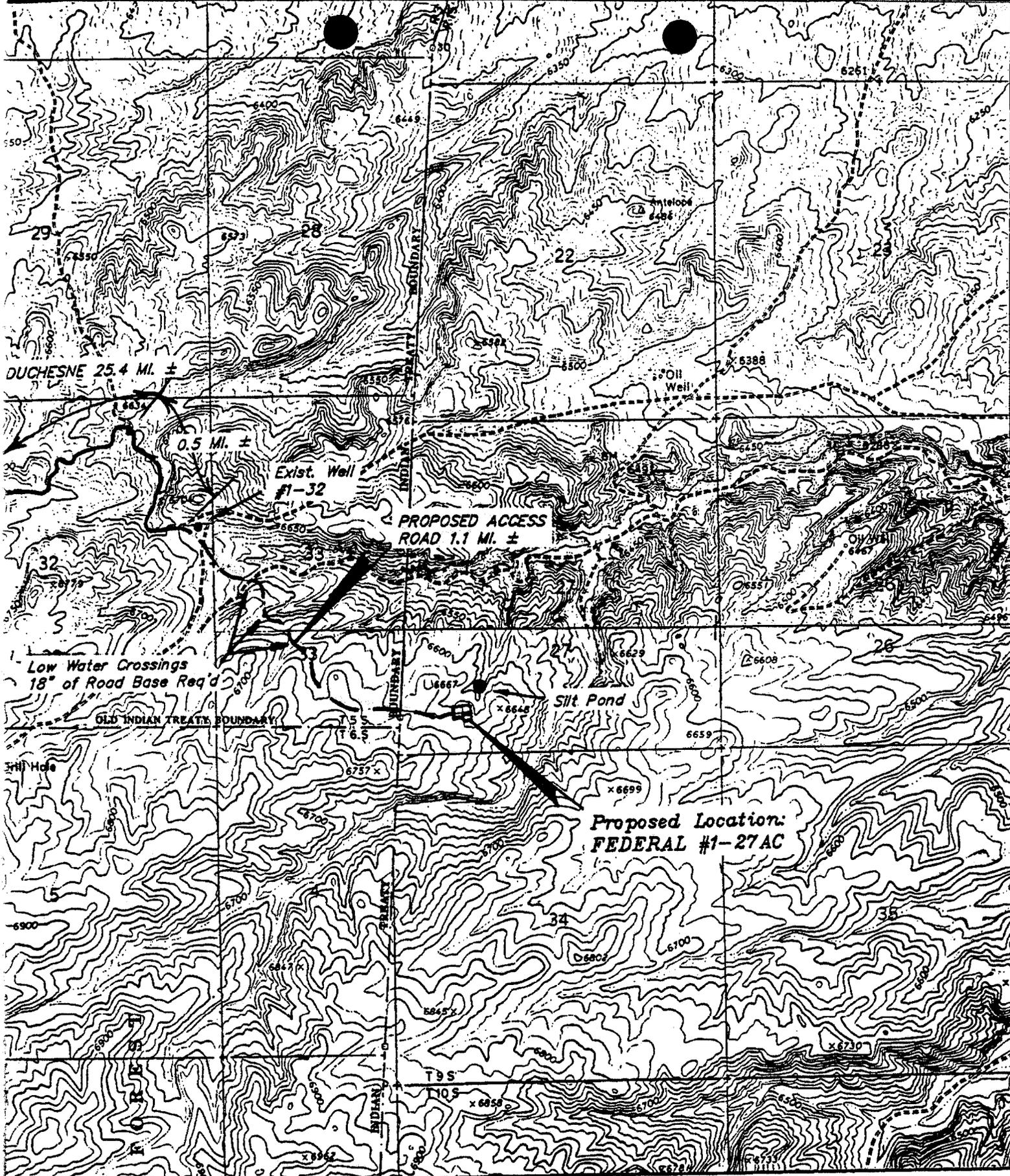
Potential Threatened and Endangered Species: Passage of Swainson's and Ferruginous hawks, Bald eagle and Peregrine falcon.

Potential Ecological Sensitivity: Low

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

12/10/91 overcast, foggy, cold,
partial (80%) snow cover (2-4in.)

NOTE: Only the proposed 30 ft. wide, 1.1 mi. access road was surveyed.



Area of T&E Survey 12.10.91

TOPOGRAPHIC
MAP "B"

SCALE: 1" = 2000'
DATE 10-23-91 R.E.H.



COORS ENERGY CO.

FEDERAL #1-27AC
SECTION 27, T9S, R15E, S.L.B.&M.

Revised: 11-14-91 T.D.H.

OPERATOR Coolidge Energy Co N-5090 DATE 1-16-90

WELL NAME Federal 1-07AC

SEC SWSW 07 T 9S R 15E COUNTY Dickinson

43-013-31346
API NUMBER

Federal (1)
TYPE OF LEASE

CHECK OFF:

- PLAT.
- BOND
- NEAREST WELL
- LEASE
- FIELD SUBM
- POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other producing well within Sec. 07:
Water Permit 43-1688 (+90-43-01) Mon
Exemption location requested

APPROVAL LETTER:

SPACING: R615-2-3 N/A R615-3-2
UNIT

N/A R615-3-3
CAUSE NO. & DATE

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

January 17, 1992

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

Gentlemen:

Re: Federal 1-27AC Well, 672 feet from the south line, 1013 feet from the west line, SW 1/4 SW 1/4, Section 27, Township 9 South, Range 15 East, Duchesne County, Utah

Pursuant to Utah Admin. R. 615-3-3 and Utah Admin. R. 615-3-4, approval to drill the referenced well is hereby granted.

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

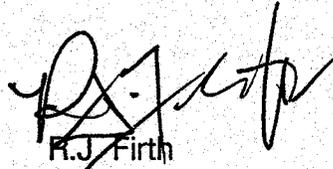
1. Compliance with the requirements of Utah Admin. R. 615-1 et seq., Oil and Gas General Rules.
2. Notification within 24 hours after drilling operations commence.
3. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
4. Submittal of the Report of Water Encountered During Drilling, Form 7.
5. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or R.J. Firth, Associate Director, (Home) (801)571-6068.
6. Compliance with the requirements of Utah Admin. R. 615-3-20, Gas Flaring or Venting, if the well is completed for production.

Page 2
Coors Energy Company
Federal 1-27AC
January 17, 1992

Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site should be submitted to the local health department. These drilling operations and any subsequent well operations should 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 Department of Environmental Quality, Division of Drinking Water/Sanitation, telephone (801)538-6159.

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 43-013-31346.

Sincerely,



R.J. Firth
Associate Director, Oil and Gas

ots
Enclosures
cc: Bureau of Land Management
J.L. Thompson
WO11

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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 SINGLE ZONE MULTIPLE ZONE

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 672' FSL, 1013' FWL, SW/SW, Lot 4
 At proposed prod. zone same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 approx. 15 miles southeast of Duchesne, Utah

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1013'

16. NO. OF ACRES IN LEASE 474.2300

17. NO. OF ACRES ASSIGNED TO THIS WELL ----

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

19. PROPOSED DEPTH 6725'

20. ROTARY OR CABLE TOOLS rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6625' GL

22. APPROX. DATE WORK WILL START* March, 1992

23. PROPOSED CASING AND CEMENTING PROGRAM

5. LEASE DESIGNATION AND SERIAL NO.
USA U-51206

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Federal

9. WELL NO.
1-27AC

10. FIELD AND POOL, OR WILDCAT
Antelope Creek

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 27, T9S-R15E

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

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.00#	400'	300 sks. Class "G" cement
7-7/8"	5-1/2"	15.50#	6425'	900 sks. lite & 50/50 pozmix to be adjusted to caliper

See attached Multipoint and Drilling Program for additional information.

RECEIVED
 APR 13 1992
 DIVISION OF
 OIL GAS & MINING

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/Operations DATE 1/9/92
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
 APPROVED BY [Signature] TITLE ASSISTANT DISTRICT MANAGER MINERALS DATE APR 3 1992
 CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY
 Dico CGx 4
 U7080-2M-071
 *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.

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Coors Energy Company

Well Name & Number: Federal 1-27AC

Lease Number: U-51206

Location: Lot 4 (SWSW) Sec. 27 T. 9S R. 15E

Surface Ownership: Public Lands administered by BLM

NOTIFICATION REQUIREMENTS

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

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

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

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. 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

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.

The Vernal District Office shall be notified, at least 24 hours prior to initiating the pressure tests, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment

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

The Vernal District Office shall be notified at least 24 hours prior to the running and cementing of all casing strings, in order to have a BLM representative on location while running and cementing all casing strings.

As a minimum, the usable water and oil shale resources shall be isolated and/or protected by having a cement top for the production casing at least 200 ft. above the base of the usable water, identified at \pm 2583 ft.

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.

5. 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 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.

6. Notifications of Operations

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

All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to.

7. Other Information

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.

All 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 APD approval is valid until midnight on September 30, 1992. If production in paying quantities is not established prior to that date or diligent operations are not in progress across that date, the lease will die of its own terms and the APD will be come null and void.

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

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

Ed Forsman (801) 789-7077
Petroleum Engineer

BLM FAX Machine (801) 789-3634

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.

B. SURFACE USE PROGRAM

1. Location of Existing and/or Proposed Facilities

If storage facilities/tank batteries are constructed, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire content of the largest tank within the facility/battery.

2. Methods for Handling Waste Disposal

In order to avoid punctures, the pit liner will have sufficient bedding (either straw or dirt) to cover any rocks.

3. 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 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 feet.
- e. All wire shall be stretched, by using a stretching device, before it is attached to the corner posts.

4. Plans for Restoration of Surface

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

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

If the well is a producer, reclamation of unused disturbed areas on the well pad/access road no longer needed for operations, such as cut slopes, and fill areas will be accomplished by grading, leveling and seeding as recommended by the Authorized Officer. The following seed mixture will be used:

<u>lbs./acre (PLS)</u>	<u>Seed Mix</u>
2	Intermediate Wheatgrass "Tegmar" (Agropyron intermedium tegmar)
3	Hycrest Crested Wheatgrass (Agropyron cristatum Hycrest)
3	Russian Wildrye (Elymus junceus)

- | | |
|---|---------------------------------------------------------------------------------------|
| 1 | "Hobble Creek" Big Sagebrush (<i>Artemesia tridentata wyomingensis</i> Hobble Creek) |
| 1 | Nomad Alfalfa (<i>Medicago sativa</i> Nomad) |
| 2 | Fourwing Saltbush (<i>Atriplex canescens</i>) |

If the seed is broadcast rather than drilled, the amount of seed will be doubled.

Four lbs./square foot of commercial Bentonite will be tilled into the top 6 inches of soil in the silt catchment basin, located 400 feet northeast of the location.

5. Additional Surface Information

- a. The operator is responsible for informing all persons in the area who are associated with this project that they will be 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 is to immediately stop work that might further disturb such materials, and contact the authorized officer (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 (assuming in situ preservation is not necessary); and

-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 wishes, 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 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.

The surface rights for the off-lease portion of the access road are owned by the Ute Indian Tribe. An approved right-of-way will be obtained from the BIA before the operator begins any construction activities.

All roads constructed by operators on the Uinta 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 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 footages or the quarter-quarter section, the section, township, and range).

A copy of the BLM specifications, "Minimum Standards for Dams Impounding Under 10 Acre Feet" is attached hereto for the silt catchment dam and basin.

All lease and/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 approved plan of operations, and any applicable Notice to Lessees. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

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

MINIMUM STANDARDS FOR DAMS IMPOUNDING UNDER 10 AC. FT.

I. Site Location and Design

- A. Authorized BLM personnel shall approve site location, fill material, foundation material, and spillway size and location.
- B. Construction shall be per attached diagram.

II. Borrow Areas

- A. Borrow material shall be taken from within the reservoir basin below high water line whenever possible.
- B. Vegetation, debris and topsoil shall be removed to a depth of 12 inches below natural ground line and deposited as directed.
- C. Vegetation, debris and topsoil shall be stockpiled to be used as cover for borrow areas above the high water line or spread on downstream side of dam.
- D. Borrow areas above the high water line shall be contoured to blend into natural ground lines.

III. Core Trench and Dam Foundation

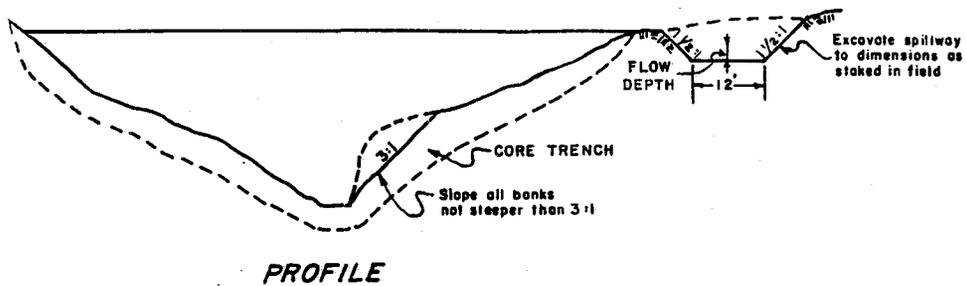
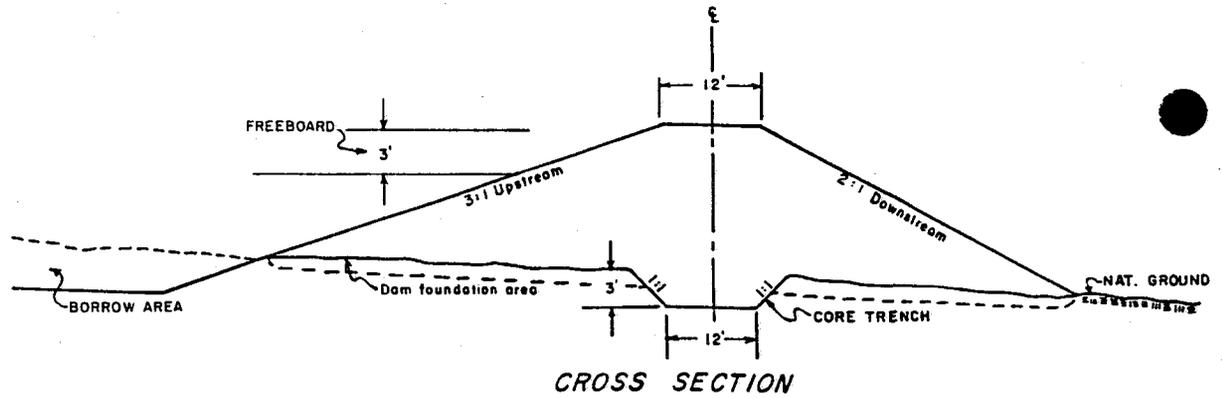
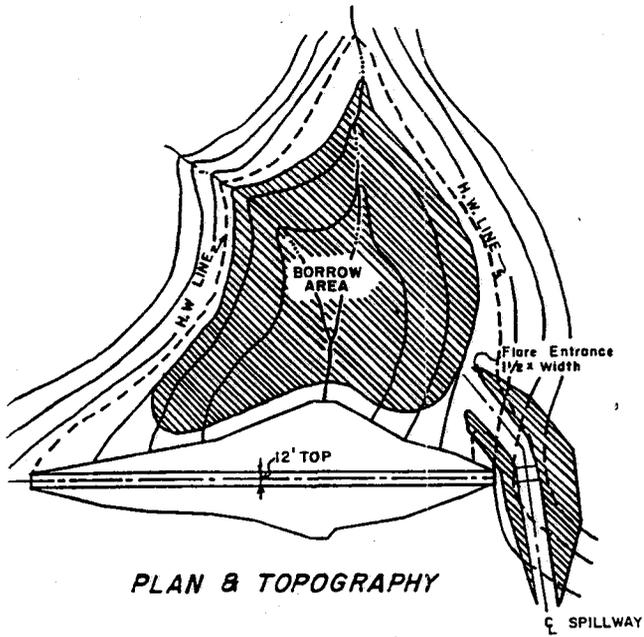
- A. A core trench shall be constructed 12 feet wide along the full length of the dam center line to a minimum depth of 3 feet or bedrock.
- B. Sides of the core trench shall be no steeper than 1:1 slope.

IV. Dam and Core Fill

- A. Fill shall be homogeneous material, preferably of high impervious, compactable soils (such as high clay content soil free of organic material, sand or rock).
- B. Lifts of fill shall not exceed 6 inches when compacted.
- C. Fill shall be built up at a consistent rate the full length of the dam.
- D. Lifts shall be compacted by at least one pass of the crawler tractor over the entire width of the lift.
- E. Downstream side of the dam shall be no steeper than 2:1 slope. Upstream side of the dam shall be no steeper than 3:1 slope.
- F. Top of the dam shall be a minimum of 12 feet wide.
- G. Maximum water depth against the dam shall be 10 feet when constructed with a crawler tractor.

V. Spillway

- A. Spillway shall be constructed through natural material.
- B. Spillway shall be constructed to divert overflow away from fill material or natural material that is an integral part of the dam.
- C. Incorporate in-place rock or hauled-in rock in spillway and at discharge point below spillway to prevent "down cutting" and "blowout" holes, when possible.
- D. Construct spillway so there is a minimum of 3 feet of freeboard on the dam.



U. S. DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT	
RETENTION DAM TYPICAL PLAN & SECTION	
DESIGNED _____	RECOMM. _____
DRAWN _____	RECOMM. _____ CHIEF, DIV. OF ENG.
CHECKED _____	APPROVED _____
SCALE NOT TO SCALE	
DATE _____	SHEET 1 OF 1



United States Department of the Interior



BUREAU OF LAND MANAGEMENT

Vernal District Office
170 South 500 East
Vernal, Utah 84078

IN REPLY REFER TO:

Phone (801) 789-1362

FAX (801) 789-3634

3162
UT08438

RECEIVED NOV 13 1992

NOV 19 1992

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

DIVISION OF
OIL GAS & MINING

Re: Notification of Expiration
Well No. 1-27AC
Section 27, T9S, R15E
Lease No. U-51206
Duchesne County, Utah

43-013-31346

Dear Mr. Sprague:

The Application for Permit to Drill the above-referenced well was approved on April 3, 1992. Lease No. U-51206 expired at midnight on September 30, 1992, and the approval of the referenced application expired at the same time.

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: State Div. OG&M



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

December 1, 1992

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

Dear Mr. Sprague:

Re: Well No. Federal 1-27AC, Sec. 27, T. 9S, R. 15E, Duchesne County, Utah
API No. 43-013-31346

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 Manager
Oil and Gas

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

WOI196