

UTAH OIL AND GAS CONSERVATION COMMISSION

24 15

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

DATE FILED 11-27-85

LAND: FEE & PATENTED \_\_\_\_\_ STATE LEASE NO. \_\_\_\_\_ PUBLIC LEASE NO. U-53860 INDIAN \_\_\_\_\_

DRILLING APPROVED: 12-9-85 - OIL (Cause No. 127-3)

SPUDED IN: \_\_\_\_\_

COMPLETED: \_\_\_\_\_ PUT TO PRODUCING: \_\_\_\_\_

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

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

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

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

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

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

DATE ABANDONED: LA 3-12-87

FIELD: HORSESHOE BEND

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

COUNTY: UINTAH

WELL NO. FEDERAL 28-1-P API #43-047-31694

LOCATION 500' FSL FT. FROM (N) (S) LINE. 660' FEL FT. FROM (E) (W) LINE. SE SE 1/4 - 1/4 SEC. 28

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
6S	21E	28	ALTA ENERGY CORP.				

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  
 ALTA ENERGY CORPORATION

3. ADDRESS OF OPERATOR  
 DRAWER 777, VERNAL, UTAH 84078 789-7701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface  
 660' FEL 500' FSL SECTION 28, T6S, R21E, S.L.M.  
 At proposed prod. zone  
 SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 12 MILES SOUTH OF VERNAL, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE 1750

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7300' *Green River*

19. PROPOSED DEPTH 7300'

20. ROTARY OR CABLE TOOLS ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4952'

22. APPROX. DATE WORK WILL START\*  
 A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.  
 U-53860

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 FEDERAL

9. WELL NO.  
 #28-1-P

10. FIELD AND POOL, OR WILDCAT  
 WILDCAT HORSESHOE BEND

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 SECTION 28, T6S, R21E, S.L.M.

12. COUNTY OR PARISH UINTAH

13. STATE UTAH

SE SE

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"	32# K-40	350'	CEMENT TO SURFACE
7 7/8"	5 1/2"	15.5# J-55	7300'	CEMENT TO ABOVE TOP OF OIL SHALE

RECEIVED

SEE ATTACHEMENTS

- 10 POINT B.O.P. LOCATION PLAT
- 13 POINT SURFACE USE PLAN CUT SHEET
- TOPO MAP 'A'
- TOPO MAP 'B'

NOV 27 1985  
 APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING  
 DATE: 12/9/85  
 BY: *John R. Boye*  
 WELL SPACING: *Class 1273*  
 3/28/85

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 *[Signature]* TITLE *Prod. Supt* DATE *11-25-85*

(This space for Federal or State office use)

PERMIT NO. *43-047-31694* APPROVAL DATE

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

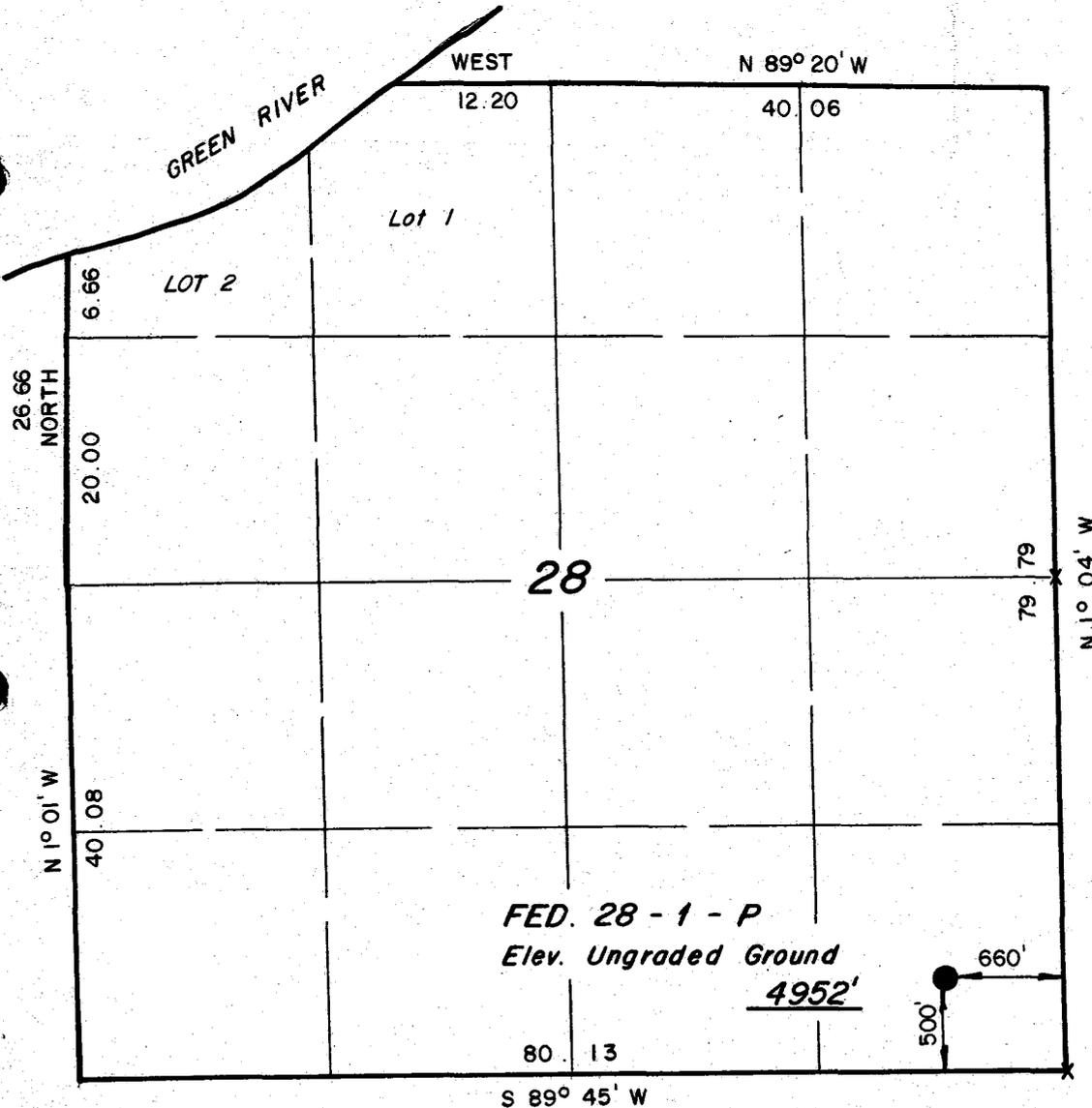
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

T 6 S, R 21 E, S.L.B.&M.

PROJECT  
ALTA ENERGY CORP.

Well location, *FED. 28-1-P*,  
located as shown in the SE 1/4 SE 1/4  
Section 28, T6S, R 21E, S.L.B.&M.  
Uintah County, Utah.



CERTIFICATE  
 THIS IS TO CERTIFY THAT THE ABOVE IS A TRUE AND CORRECT COPY OF THE ORIGINAL 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.  
 REGISTERED LAND SURVEYOR  
 No. 5700  
 ROBERT L. KAY  
 REGISTERED LAND SURVEYOR  
 STATE OF UTAH  
 REGISTRATION

UTAH ENGINEERING & LAND SURVEYING P. O. BOX Q - 85 SOUTH - 200 EAST VERNAL, UTAH - 84078	
SCALE 1" = 1000'	DATE 11 / 4 / 85
PARTY R.K. J.K. T.F.      BFW	REFERENCES GLO Plat
WEATHER Fair	FILE ALTA

X = Section Corners Located

Company: ALTA ENERGY CORPORATION

Well No. Federal #28-1-P

Location: Section 28, T6S, R21E, S.L.M.

Lease No.: U - 53860

Onsite Inspection Date: November 5, 1985

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A. DRILLING PROGRAM

1. Surface Formation and Estimated Formation Tops:

Uinta Surface, Uinta Marker 3427'; Green River 3952'; JL Marker 6777'; T.D. 7300'

2. Estimated Depth at which Oil, Gas, Water, or other Mineral Bearing Zones are Expected to be encountered:

	<u>Formation</u>	<u>Zone</u>
Expected Oil Zones:	Basal	F - L
Expected Gas Zones:	Basal	F - L
Expected Water Zones:	None	
Expected Mineral Zones:	None	

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.

3. Pressure Control Equipment:

3000# Double Gage BOP with Pipe Ram & Blind Ram 8 5/8"

5 1/2 Production Single Stage from T.D. to above Oil Shale.

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

4. Casing Program and Auxiliary Equipment:

8 5/8" 32# K-40 350' cement to surface

5 1/2" 15.5# J-55 7300' cement to above Oil Shale Base + 2500'

Anticipated cement tops will be reported as to depth, not the expected number of sacks of cement to be used. The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

5. Mud Program and Circulating Medium:

Clear water 4000' 3% KCL to T.D.

6. Coring, Logging and Testing Program:

No coring anticipated.

Dual induction laterolog T.D. to surface.

Compensated Density T.D. surface. Neutron Log, Bond Log T.D. to surface.

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

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

None

8. Anticipated Starting Dates and Notifications of Operations:

Location Construction: Immediately upon approval.

Spud Date: A.S.A.P. after pad and road are completed.

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

The spud date will be reported 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 working day. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

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 the 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.

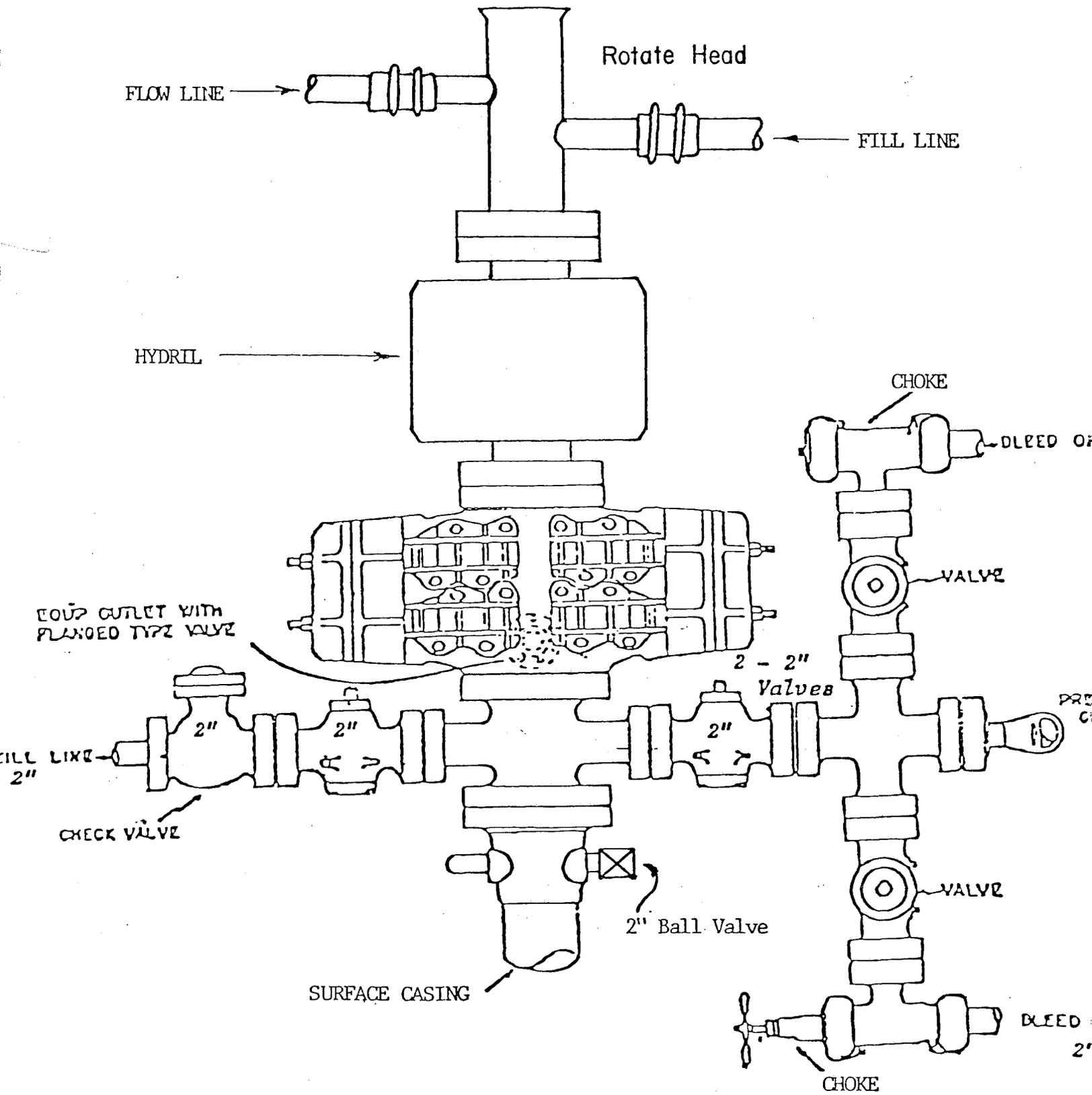
Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 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 3162.4.

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

No well abandonment operations will be commenced without 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 SO. 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 Order No. 1, lessees and operators have 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 and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.



NOTE: BLOWOUT PREVENTER HAS DOUBLE RAMS;  
 ONE BLIND AND ONE PIPE RAM.

Diag. A

CONDITIONS OF APPROVAL  
FOR THE SURFACE USE PROGRAM OF THE  
APPLICATION FOR PERMIT TO DRILL  
FOR  
ALTA ENERGY CORPORATION  
FEDERAL #28-1-P  
LEASE #U-53860  
LOCATED IN THE SE 1/4 SE 1/4  
SECTION 28, T6S, R21E, S.L.M.

THIRTEEN POINT SURFACE USE PROGRAM:

Multipoint Requirements to Accompany APD

1. Existing Roads -- describe the following and provide a legible map, labeled and showing:
  - A. Proposed wellsite as staked and access route to location, including distances from point where access route exits established roads. (Actual staking should include two directional reference stakes.)
  - B. Route and distance from nearest town or locatable reference point, such as a highway or county road, to where well access route leaves main road. Proceed South from Vernal, Utah on new Bonanza Highway 17 miles, proceed Westerly on a dirt road 8.3 miles; proceed Northwesterly on dirt road 1.8 miles to proposed road.
  - C. Access road(s) to location color-coded or labeled.
  - D. Plans for improvement and/or maintenance of existing roads. (Appropriate rights-of-way for off lease roads should be attached.)
  
2. Planned Access Roads -- describe the following and provide a map of suitable scale indicating all necessary access roads (permanent and temporary) to be constructed or reconstructed, showing:
  - A. Length - 1100' new road
  - B. Width - 30 foot right-of-way with 18 foot running surface maximum.
  - C. Maximum grades - 8%
  - D. Turnouts - None
  - E. Drainage design - None
  - F. Location and size of culverts and/or bridges and brief description of any major cuts and fills - No culverts
  - G. Surfacing material (source) - Existing material
  - H. Necessary gates, cattleguards, or fence cuts and/or modification to existing facilities - None
  - I. Access road surface ownership - Federal

The existing 3" gas line at beginning of road will be covered at the time of construction. (New or reconstructed roads are to be centerline-flagged at time of location staking.)

All travel will be confined to existing access road rights-of-way.

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

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, draining, graveling, crowning, and capping the roadbed as necessary to provide a well constructed safe road. Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 feet right-of-way will not be allowed. Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

\_\_\_\_\_ Right-of-Way Application needed. If a right-of-way is necessary for the access road, a copy of the right-of-way grant shall be with the dirt contractor during the construction and thereafter kept on location with the complete copy of the approved application to drill.

Operators shall notify the following right-of-way grantees of their intent to use the existing roads and, if necessary, enter into a cooperative maintenance agreement.

\_\_\_\_\_ The proposed access road shall utilize the upgrade 2-track trail approximately 2000' (ft. or mile) as agreed upon during the onsite inspection. Remainder of planned access road will follow flagged route for \_\_\_\_\_.

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

3.. Location of Existing Wells -- describe the following and provide a map or plat of all wells within a one mile radius of the proposed well location showing and identifying existing:

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

4. Location of Existing and/or Proposed Facilities

A. On well pad: Show the following existing area facilities and dimensions to be utilized if the well is successfully completed for production (detail painting plans and color if applicable):

- (1) Tank batteries
- (2) Production facilities
- (3) Oil gathering lines
- (4) Gas gathering lines
- (5) Injection lines
- (6) Disposal lines
- (7) Surface pits (separate application per NFL-2B requirements)\*

(Indicate if any of the above lines are buried.)

B. Off well pad: Same as above. Off lease flowlines may require rights-of-way or special use permits, check with the Area Office Realty Specialist. (Include a diagram of the proposed attendant lines, i.e., flowlines, powerlines, etc., if off well pad location.)

- (1) Proposed location and attendant lines shall be flagged off of well pad prior to archaeological clearance.
- (2) Dimensions of facilities
- (3) Construction methods and materials
- (4) Protective measures and devices to protect livestock and wildlife

Note: Operator has option of submitting information under 4A and B., after well is completed for production, by applying for approval of subsequent operations.

If a tank battery is constructed on this lease, the battery or the well pad will be surrounded by a dike of sufficient capacity to contain 1 1/2 times the storage capacity of the battery. The integrity of the dike must be maintained.

Tank batteries will be placed on the North side of the Location

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

The required paint color is \_\_\_\_\_.

5. Location of Type of Water Supply

- A. Show location and type of water supply, either by 1/4, 1/4 section on a map or by written description from the Green River NE 1/4 NE 1/4 Section 31, T6S, R21E, S.L.M.
- B. State method of transporting water, and show any roads or pipelines needed. Water will be hauled by truck over existing roads and the proposed access road.
- C. If water well is to be drilled on lease, so state. None

\*The operator will be responsible for acquiring the necessary permit to obtain water to be used for drilling activities.

6. Source of Construction Materials

- A. Show information either on map or by written description - Materials will be accumulated during construction.
- B. Identify if from Federal or Indian (tribal or allotted) land.

Federal Land

- C. Describe where materials such as sand, gravel, stone, and soil materials are to be obtained and used. None

All topsoil will be stripped to 6" and stockpiled at East end of the location.

\*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.

\*A minerals material application is not required.

7. Methods for Handling Waste Disposal

- A. Describe methods and location of proposed safe containment and disposal of each type of waste material, including:
- (1) Cuttings: Contained in pit on South side of location.
  - (2) Sewage: Portable chemical toilet
  - (3) Garbage (trash) and other waste material: Contained in wire basket and hauled to landfill.
  - (4) Salts: Contained in pit
  - (5) Chemicals: Contained in pit.
- B. Provide a plan for eventual disposal of drilling fluids and any produced oil or water recovered during testing operations. These will be contained in pit until dry, and then covered with earth, hazardous wastes will be hauled by truck to the nearest hazardous waste dump.

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

\*Pits are not to be located in natural drainages where a flood hazard exists or surface runoff will destroy or damage the pit walls, unless otherwise herein provided.

On BLM administered lands:

The reserve pit shall not be lined and will be placed on the South side of the location in cut material.

\*If the pit is lined, it shall be constructed so as not to leak, break, or allow discharge.

X The bottom of the reserve pit shall not be in fill material.

For the following reasons the reserve pit will be lined:

\_\_\_\_\_ To conserve water.

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

\_\_\_\_\_ To protect the environment.

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

Produced waste water will be confined to an unlined 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.

On BIA administered lands:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. This pit not to be lined.

Pits will be constructed so as not to leak, break, or allow discharge of liquids.

\_\_\_\_\_ Storage tanks will be used if drill sites are located on tribal irrigable land, flood plains, or on lands under crop production.

Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, 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.

8. Ancillary Facilities

- A. Identify all proposed camps and airstrips on a map as to their location, and area required, and construction methods. (Camp center and airstrip centerlines to be staked on the ground).

\_\_\_\_\_ Camp facilities or airstrips will not be required.

9. Well Site Layout -- provide a plat (not less than 1" = 50') showing:

- A. Cross-sections of proposed drill pad with approximate cuts and fills and the relation to topography.
- B. Location of mud tanks, reserve, blooie, and emergency pits, pipe racks, living facilities, and soil material stockpiles, etc. (Approval as used in this section means field approval of location.)
- C. Rig orientation, parking areas, and access roads, etc.

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.

Well Site Layout: The reserve pit will be located on the: South side of the location.

The stockpiled topsoil will be stored on the: East end of the location

Access to the well pad will be from the: West

Diversion ditch(es) shall be constructed on the \_\_\_\_\_ side of the location (above/below) the cut slope, draining to the \_\_\_\_\_.

Soil compacted earthen berm(s) shall be placed on the \_\_\_\_\_ side of the location between the \_\_\_\_\_.

\_\_\_\_\_ The drainage(s) shall be diverted around the \_\_\_\_\_ side(s) of the well pad location.

\_\_\_\_\_ The reserve pit and/or pad location shall be constructed long and narrow for topographic reasons \_\_\_\_\_.

\_\_\_\_\_ The \_\_\_\_\_ corner of the well pad will be rounded off to avoid the \_\_\_\_\_.

10. Plans for Restoration of Surface

A. Provide a restoration program upon completion of operations, including:

- (1) Backfilling, leveling, recontouring, and waste disposal; segregation of topsoil from cut materials as needed.
- (2) Revegetation and rehabilitation--including abandoned access roads or portions of well pads no longer needed (normally per BLM recommendations)
- (3) Proposed timetable for commencement and completion of rehabilitation operations 90 days after completion of operations.

B. The following are provisions to be addressed in the restoration plan:

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

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed. The reserve pit and that portion of the location and access road not needed for production facilities/operations will be reclaimed. The reserve pit will be reclaimed within 90 days from the date of well completion.

All disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

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

Seed will be broadcast or drilled at a time specified by the BLM / Private Surface Owner. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage and the seed mixture will be proportionately larger (double the lbs. per acre).

An appropriate seed mixture will be determined by the BLM, either as part of the Conditions of Approval of the APD or at the time restoration activities are scheduled to begin.

All seeding will be done from September \_\_\_\_\_ until the ground freezes.

At such time as the well is plugged and abandoned the operator will submit a surface reclamation plan to the Surface Management Agency for prescribed seed mixtures and reseeding requirements.

If the seeding is unsuccessful, the lessee/operator may be required to make subsequent seedings.

On BIA administered lands:

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

The operator will submit a plan of controlling noxious weeds along rights-of-way for roads, pipelines, well sites or other applicable facilities. A list of noxious weeds can be obtained from the appropriate county extension office.

The BLM recommends the following procedure for reclamation:

Compacted areas of the well pad should be plowed or ripped to a depth of 12" before reseeding. Seeding should be done with a disc-type drill to ten inches apart. The seed should be planted between one-half inch deep and three quarter inch deep. A drag, packer or roller may be used to insure uniform coverage of the seed, and adequate compaction. Drilling of the seed should be done on the contour where possible. Where slopes are too steep for contour drilling a "cyclone" hand-seeder or similar broadcast seeder should be used, using twice the recommended seed per acre. Seed should then be covered to a depth described above by what-ever means is practical.

11. Surface Ownership: Federal

Provide the surface ownership (Federal, Indian, State or private) at the well location, and for all lands crossed by roads which are to be constructed or upgraded.

Where the surface of the well site is privately owned, the operator shall provide the name, address, and, if known, telephone number of the surface owner.

12. Other Additional Information

The BLM recommends a general description of:

- A. Topography, soil characteristics, geologic features, flora, and fauna. The topography of the area is rough, being a portion of the Northern end of the Book Cliffs. Side hills are steep, with large outcrops of sandstone. The soil in the area consists of sandy clay material, light brown in color. The area is sparsley vegetated with some small areas of bunch grass, with the primary vegetation being sagebrush and greasewood. The animals that are in the area are mainly deer, antelope, rabbit and other small rodents. There are also some reptiles found in the area consisting of snakes, lizards and horned toads. Birds of the area consist of raptors, finches, crows and jays.

- B. Other surface-use activities and surface ownership of all involved lands - grazing.
- C. Proximity of water, occupied dwellings, archaeological, historical or cultural sites. The green river is located approximately 600' West of the location. There were some evidences of archaeological findings North of the location.

A cultural resource clearance will be required before any construction begins on Federal and Indian lands. However, historic and cultural resource work shall be undertaken only with the written consent of a private surface owner. If the private surface owner refuses entry for that purpose, the lessee or operator shall use its best efforts to conduct its approved operations in a manner that avoids adverse effects on any properties which are listed, or may be eligible for listing, in the NRHP.

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 Surface Mangement Agency.

On BLM administered land, it is required that a proposed use of pesticide, herbicide or other possible hazardous chemicals shall be cleared for use prior to application.

On BIA administered land:

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

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

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

All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator, the lease serial number, the well name and number, the survey description of the well (either footages or the quarter-quarter section, the section, township and range).

Additional Surface Stipulations for BLM, BIA, FS, DWR, or Private Surface Lands:

The operator or his contractor shall contact the BLM and BIA Offices at (801) 789-1362 (BLM) and (801) 722-2406 (BIA) between 24 and 48 hours prior to construction activities. Contact Gregg Darlington.

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

No construction or drilling activities shall be conducted between November 1 through March 1 because of bald and golden eagle winter habitat areas.

No construction or drilling activities shall be conducted between \_\_\_\_\_ and \_\_\_\_\_ because of big gam habitat areas.

No construction or exploration activity will be permitted \_\_\_\_\_ through \_\_\_\_\_ due to the presence of an active raptor nest or eyrie.

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

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

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

No cottonwood trees will be removed or damaged.

A \_\_\_\_\_ ft. tree screen or vegetative buffer shall be left on the \_\_\_\_\_ side(s) of the well location, to minimize visual impacts and for watershed protection.

All rock art sites will be avoided by construction/drilling/maintenance activities by a minimum of 500 feet.

No construction or drilling activities shall be conducted between \_\_\_\_\_ and \_\_\_\_\_ because of the possible presence of Threatened and Endangered plant species.

Overhead flagging will be installed on pits to protect waterfowl and birds.

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

Fence Stipulation:

Each existing fence to be crossed by the right-of-way shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BLM or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguard shall be permanently mounted on concrete bases. Prior to crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BLM, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to satisfy himself/herself that the fence is adequately braced and tied off.

Grazing Permittee \_\_\_\_\_

Address \_\_\_\_\_

Phone No. \_\_\_\_\_

Note: If the land is privately owned, these surface stipulations may be varied to comply with the operator - land owner agreement.

13. Lessee's or Operators Representative and Certification

Representative

Name: Alta Energy Corporation

Address: Drawer 777, Vernal, Utah 84078

Phone No. (801) 789-7701

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 sub-contractors. A copy of these conditions will be furnished the field representative to insure compliance.

The dirt contractor will be provided with an approved copy of the Surface Use Plan from the APD.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future operations.

ALTA ENERGY COPORATION  
Federal #28-1-P  
Section 28, T6S, R21E, S.L.M.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are true and correct to the best of my knowledge; and, that the work associated with the operations proposed here will be performed by Alta Energy Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

11-26-85  
Date

Ray Stanley Prod. Supv.  
Name and Title

Onsite Date: November 5, 1985

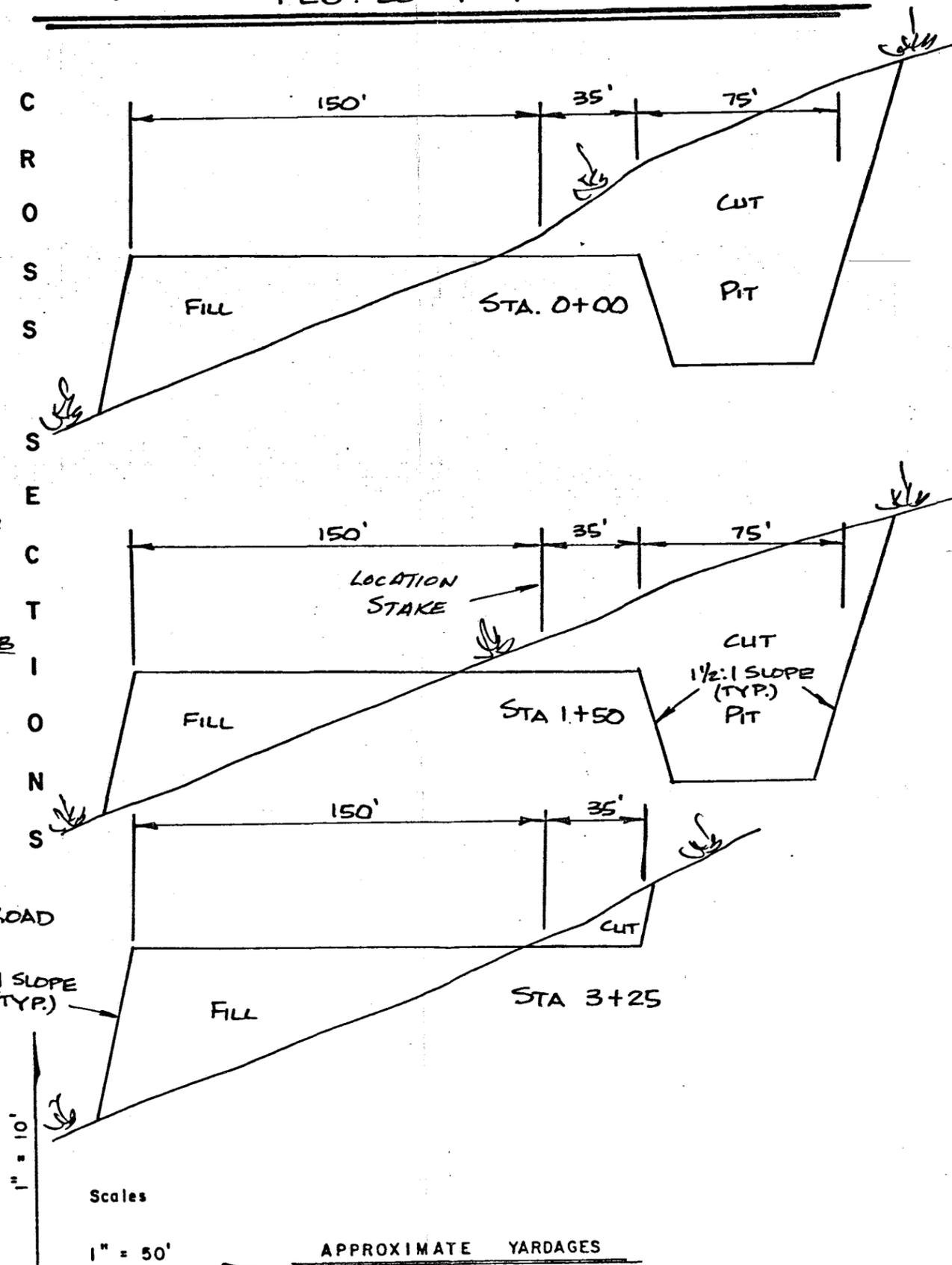
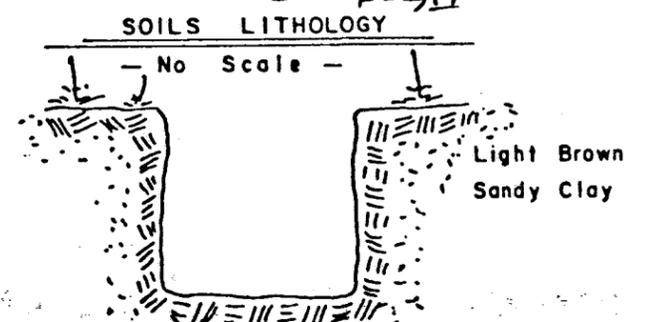
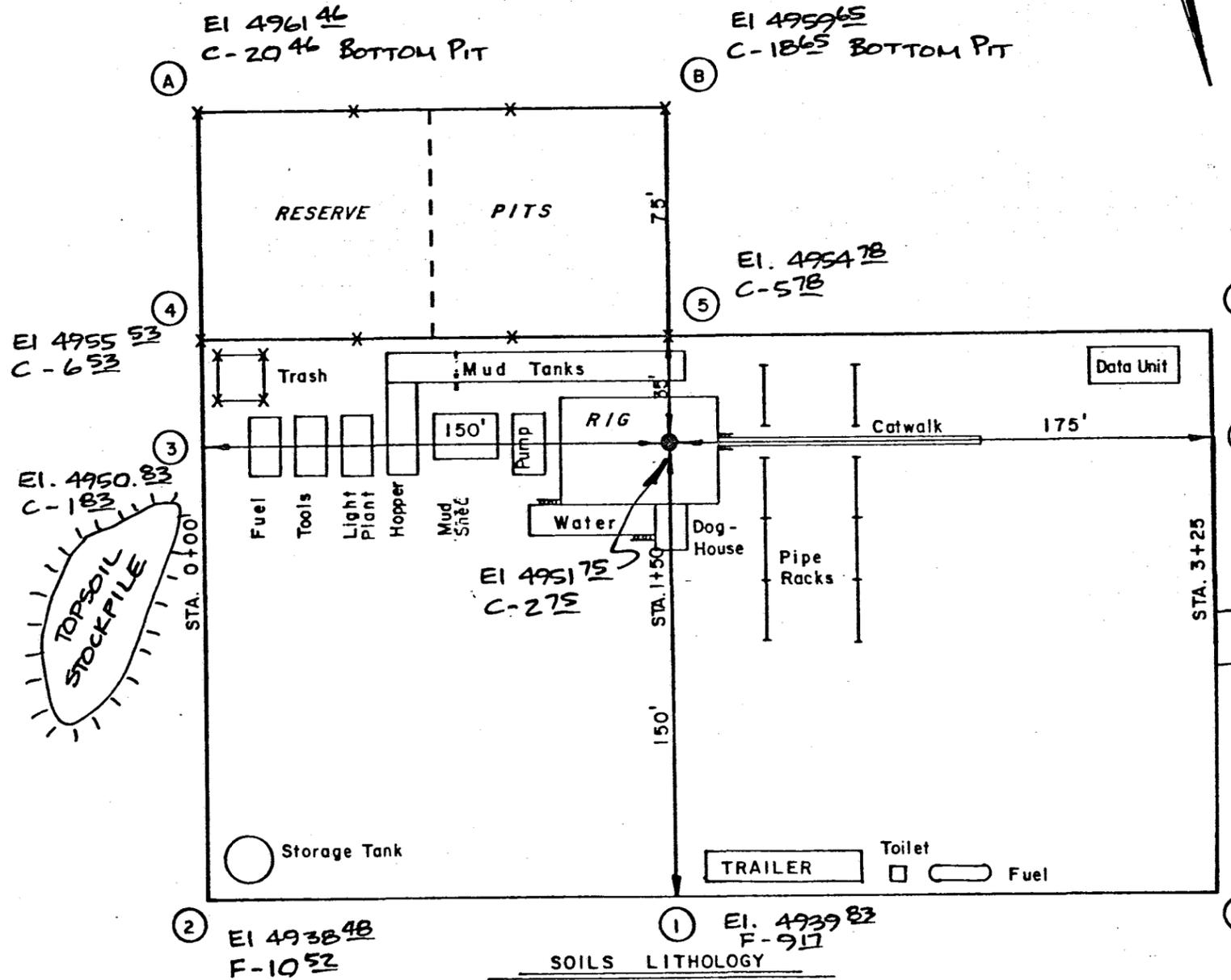
Participants on Joint Inspection

_____	_____
_____	_____
_____	_____
_____	_____

# ALTA ENERGY CORP.

FED. 28-1-P

SCALE 1" = 50'  
DATE 11/4/85





FED. 28-1-P

PROPOSED LOCATION

TOPO.

MAP "B"

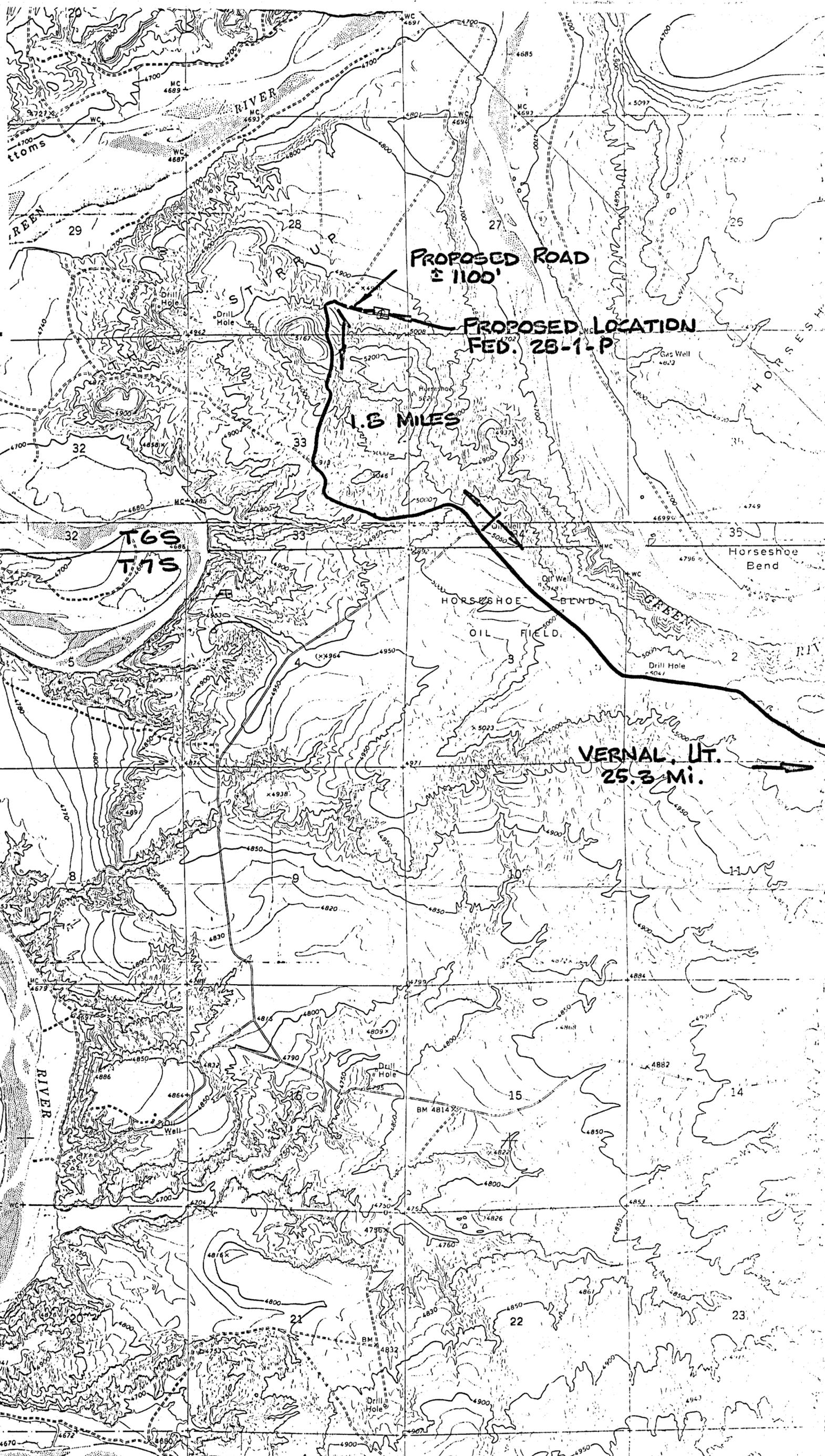
SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, improved surface  
Unimproved road fair or dry weather

UTAH

QUADRANGLE LOCATION



PROPOSED ROAD  
± 1100'

PROPOSED LOCATION  
FED. 28-1-P

1.8 MILES

VERNAL, UT.  
25.3 MI.

R R  
20 21  
E E

Brennan Bottom

Johnson Bottom

T6S  
T7S

HORSHOE BEND  
OIL FIELD

Horseshoe Bend

Brennan Basin

BM 4814

BM 4832

23

22

21

19

15

11

2

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4786

OPERATOR Alta Energy Corp DATE 12-6-85

WELL NAME Ed. 28-1-P

SEC SESE 28 T 65 R 21E COUNTY Montal

43-047-31694  
API NUMBER

Ed.  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

80 acre - SE1/4 or NW1/4 (stand-us)  
Need water permit

APPROVAL LETTER:

SPACING:  A-3 \_\_\_\_\_ UNIT

c-3-a 127-3 3/28/85  
CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1 - water



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

December 9, 1985

Alta Energy Corporation  
Drawer 777  
Vernal, Utah 84078

Gentlemen:

Re: Well No. Federal 28-1-P - SE SE Sec. 28, T. 6S, R. 21E  
500' FSL, 660' FEL - Uintah County, Utah

Approval to drill the above-referenced oil well is hereby granted in accordance with the Order of Cause No. 127-3 dated March 28, 1985 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

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

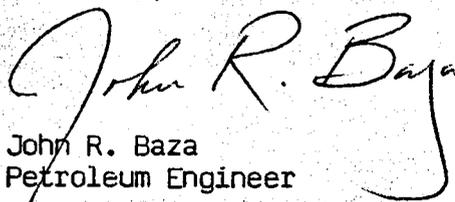
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, General Rules.

Page 2  
Alta Energy Corporation  
Well No. Federal 28-1-P  
December 9, 1985

5. 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 43-047-31694.

Sincerely,



John R. Baza  
Petroleum Engineer

as  
Enclosures  
cc: Branch of Fluid Minerals

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  
ALTA ENERGY CORPORATION

3. ADDRESS OF OPERATOR  
DRAWER 777, VERNAL, UTAH 84078 789-7701

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
At surface  
660' FEL 500' FSL SECTION 28, T6S, R21E, S.L.M. (SE/SE)  
At proposed prod. zone  
SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
12 MILES SOUTH OF VERNAL, UTAH

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 500'

16. NO. OF ACRES IN LEASE  
1750

17. NO. OF ACRES ASSIGNED TO THIS WELL  
40

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

19. PROPOSED DEPTH  
7300'

20. ROTARY OR CABLE TOOLS  
ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
4952'

22. APPROX. DATE WORK WILL START\*  
A.S.A.P.

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"	32# K-40	350'	CEMENT TO SURFACE
7 7/8"	5 1/2"	15.5# J-55	7300'	CEMENT TO ABOVE TOP OF OIL SHALE

4304731694

Anticipated BHP 5,675 psi @ S.

SEE ATTACHEMENTS

- 10 POINT B.O.P. LOCATION PLAT
- 13 POINT SURFACE USE PLAN
- CUT SHEET
- TOPO MAP 'A'
- TOPO MAP 'B'



RECEIVED  
FEB 13 1986

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 [Signature] TITLE Prod. Supt DATE 11-25-85

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
APPROVED BY Don Alford TITLE DISTRICT MANAGER DATE 02-12-86

CONDITIONS OF APPROVAL, IF ANY:  
**NOTICE OF APPROVAL** CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

Ut080-6M-21

\*See Instructions On Reverse Side

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Alta Energy Corporation Well No. 28-1-P  
Location Sec. 28 T6S R21E Lease No. U-53860

A. DRILLING PROGRAM

1. Pressure Control Equipment

3,000 psi BOP stacks shall utilize an annular bag-type preventer.

Ram-type preventers shall be tested to 2,000 psi.

Annular bag-type preventer shall be tested to 1,500 psi.

Choke manifold systems will be consistent with API RP 53.

2. Mud Program and Circulating Medium

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.

3. Coring, Logging and Testing Program

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

4. 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.

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

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

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

Revised October 1, 1985

Date NOS Received 11/05/85

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

Company/Operator Alta Energy Corporation  
Well Name & Number 28-1-P  
Lease Number U-53860  
Location SE  $\frac{1}{4}$  SE  $\frac{1}{4}$  Sec. 28 T. 6 S. R. 21 E.  
Surface Ownership Federal

THIRTEEN POINT SURFACE USE PROGRAM:

Multipoint Requirements to Accompany APD

1. Planned Access Roads

The operator shall construct a suitable buried crossing of the three-inch natural gas surface line where the proposed access road intersects the existing road.

2. Well Site Layout: The reserve pit will be located on the south side of the location. A blooie pit is not requested for this location. Alta Energy shall contact the Vernal BLM office if they need one.

The stockpiled topsoil will be stored on the east end of the location. The top 4-6 inches of topsoil should be stockpiled there.

Access to the well pad will be from the west side of the location to an existing road. Access will require a suitable crossing of a three-inch gas surface flowline. The line should be buried at the crossing.

3. Additional Surface Stipulations for BLM, BIA, FS, DWR, or Private Surface Lands:

The operator or his contractor shall contact the BLM and BIA Offices at (801) 789-1362 (BIM) between 24 and 48 hours prior to construction activities. Contact the Book Cliffs Resource Area.

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

Craig M. Hansen (801) 247-2318  
Assistant District Manager  
for Minerals

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

R. Allen McKee (801) 781-1368  
Petroleum Engineer

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

RECEIVED  
MAR 09 1987

3162.35  
U-820  
U-53860

DIVISION OF  
OIL, GAS & MINING

March 3, 1987

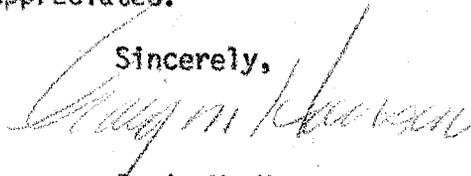
Alta Energy Corp.  
P.O. Box 767  
Vernal, UT 84078

Re: Rescind Application for Permit to Drill  
Well No. 28-1-P  
Section 28, T6S, R21E  
Uintah County, Utah  
Lease No. U53860

The Application for Permit to Drill the referenced well was approved on February 12, 1986. Since that date, no known activity has transpired at the approved location. Under current District policy, Applications for Permit to Drill are effective for a period of one year. 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,



Craig M. Hansen  
ADM for Minerals

bcc: State Div. O G & M  
well file  
U-922/943

#iermaan:plp



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

031631

March 12, 1987

Alta Energy Corporation  
P.O. Box 767  
Vernal, Utah 84078

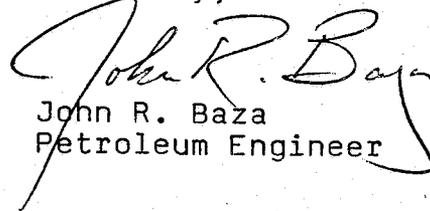
Gentlemen:

RE: Well No. Federal 28-1-P, Sec.28, T.6S, R.21E,  
Uintah County, Utah, API NO. 43-047-31694

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 future drilling of 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,

  
John R. Baza  
Petroleum Engineer

sb  
cc: BLM-Vernal  
D. R. Nielson  
R. J. Firth  
Well file  
0327T-62

870317