

UTAH OIL AND GAS CONSERVATION COMMISSION

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

* This Application was recocended by the U.S.G.S. 5/12/82

DATE FILED 2-6-81

LAND: FEE & PATENTED _____ STATE LEASE NO. _____ PUBLIC LEASE NO. U-24619 INDIAN _____

DRILLING APPROVED: 2-25-81

SPUDED IN: _____

COMPLETED: _____ PUT TO PRODUCING: _____

INITIAL PRODUCTION: _____

GRAVITY A.P.I. _____

GOR: _____

PRODUCING ZONES: _____

TOTAL DEPTH: _____

WELL ELEVATION: _____

DATE ABANDONED: MAY 12 1982 LOCATION ABANDONED, WELL NEVER DRILLED

FIELD: Wildeat 3/86 Undesignated

UNIT: Middle Canyon

COUNTY: Grand

WELL NO. Middle Canyon Unit #23-16 API NO. 43-019-30781

LOCATION 809 FT. FROM (S) LINE, 869 FT. FROM (E) LINE, SE SE 1/4 - 1/4 SEC. 23

| TWP. | RGE. | SEC. | OPERATOR | TWP. | RGE. | SEC. | OPERATOR |
|------|------|------|-----------------|------|------|------|----------|
| 16S | 24E | 23 | TENNECO OIL CO. | | | | |

DUPLICATE
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, Colorado 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface 809 FSL, 869 FEL
 At proposed prod. zone
 same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
Approximately 24 miles NNW of Westwater, Utah

10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 809'

16. NO. OF ACRES IN LEASE 1520

17. NO. OF ACRES ASSIGNED TO THIS WELL 360

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. ±6355'

19. PROPOSED DEPTH ±6355'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6423' GR

22. APPROX. DATE WORK WILL START* Feb./March 1981

5. LEASE DESIGNATION AND SERIAL NO.
U-24619

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
Middle Canyon

8. FARM OR LEASE NAME
Middle Canyon Unit USA

9. WELL NO.
23-16

10. FIELD AND POOL, OR WILDCAT
Bryson Canyon, Morrison

11. SEC., T., R. M., OR BLK. AND SURVEY OR AREA
- Sec. 23, T16S, R24E

12. COUNTY OR PARISH **13. STATE**
Grand Utah

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|----------------------------|
| 8 3/4" | 7" new | 23# | ±2230' | Circulate to surface |
| 6 1/4" | 4 1/2" new | 10.5# | ±6355' | Cover all productive zones |

Set 1-3 joints of 9 5/8" casing as needed to be used as conductor pipe.

See attached.

Pre-stake clearance attached.

Archaeological report attached.

RECEIVED
MAY 6 1981

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 R. A. Mishler TITLE Sr. Production Analyst DATE February 3, 1981
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY (Orig. Sgd.) R. A. Henricks TITLE FOR E. W. GUYNN DATE MAY 5 1981
CONDITIONS OF APPROVAL, IF ANY: DISTRICT ENGINEER

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

*See Instructions On Reverse Side

NOTICE OF APPROVAL

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

State 0+6 Production Facilities and Flowline NOT Approved

United States Department of the Interior
 Geological Survey
 Oil and Gas Operations
 2000 Administration Building
 1745 West 1700 South
 Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Tenneco Middle Canyon Unit USA 23-16
 Project Type Development Gas Test (Unit Obligation Well)
 Project Location 809' FSL, 869' FEL, Sec. 23, T16S, R24E, Grand Co., Utah
 Date Project Submitted February 6, 1981

FIELD INSPECTIONDate March 12, 1981Field Inspection
ParticipantsBob Mishler - TennecoDallas Galley - Galley ConstructionDan Naylor - Northwest PipelineElmer Duncan, Mical Walker - BLMGlenn Doyle - USGS

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

April 8, 1981
 Date Prepared

Glenn M. Doyle
 Environmental Scientist

I concur

4/17/81
 Date

Evilony
 District Supervisor

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

| Criteria | Federal/State Agency | | | Local and private correspondence (date) | Previous NEPA | Other studies and reports | Staff expertise | Onsite inspection (date) | Other |
|--|-----------------------|--------------------|----------------|---|---------------|---------------------------|-----------------|--------------------------|-------|
| | Correspondence (date) | Phone check (date) | Meeting (date) | | | | | | |
| 516 DM 2.3.A | | | | | | | | | |
| 1. Public health and safety | | | | | 1, 2 | | 6 | 3/12/81 | |
| 2. Unique characteristics | | | | | 1, 2 | | | | |
| 3. Environmentally controversial | | | | | 1, 2 | | | | |
| 4. Uncertain and unknown risks | | | | | | 4 | | | |
| 5. Establishes precedents | | | | | 1, 2 | | | | |
| 5. Cumulatively significant | | | | | 1, 2 | | 6 | | |
| 7. National Register historic places | 1-4/2/81 | | | | | | | | |
| 8. Endangered/threatened species | 1-4/2/81 | | | | | | | | |
| 9. Violate Federal, State, local, tribal law | | | | | | 4 | | | 3 |

Site-specific stipulations attached

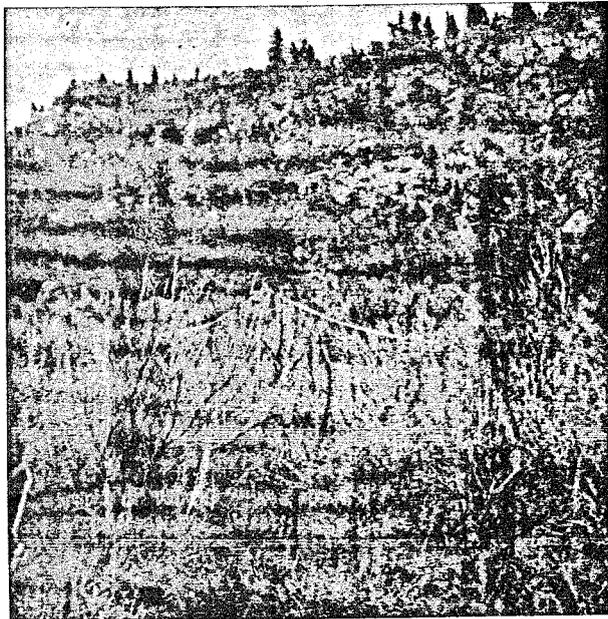
COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

Site-specific stipulations

- 1) The wellpad will be rounded off on the southwest corner by 25' to avoid the drainage.
- 2) A swath of vegetation 1.5 cat blades wide will be cleared from behind the blooie pit to reduce the fire hazard.



TENNECO MIDDLE CYN UNIT 23-16
SEC. 23, T16S, R24E, GRAND CO.,
UTAH



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO

3109
(U-603)

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

APR 1 1981

Memorandum

To: Oil & Gas Office
USGS Conservation Division
P. O. Box 3768
Grand Junction, CO. 81502

From: Area Manager, Grand

Subject: Tenneco Oil Company
Middle Canyon Unit USA 23-16, Lease #U-24619
SE/SE Section 23, T. 16 S., 24 E., SLB&M
Grand County, Utah

On March 12, 1981 a representative from this office met with Glenn Doyle, USGS, and Bob Mishler, agent of the Tenneco Oil Company, for an inspection of the above referenced location. Subject to the attached conditions and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Tenneco Oil Company.

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Production Facilities

Ernest J. Decker
Acting

U. S. GEOLOGICAL SURVEY
OIL AND GAS OPERATIONS
RECEIVED

APR 02 1981

GRAND JUNCTION, COLORADO

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 48 hours prior to beginning construction of access road and pad.

Stockpile the surface 12 inches of topsoil in a wind-row on the north west quadrant of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (Refer to enclosed suggested colors to paint production facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill field examination -

New Access -

- 1) Approximately 0.25 mile of new road will be constructed from the existing road in the NE/NE Section 26, north westerly in Hide Out Canyon to the location in SE/SE Section 23, T. 16 S., R. 24 E., SLB&M.
- 2) The new access road in Hide Out Canyon will be constructed along the north side of the canyon, and out of the drainage.
- 3) Surface disturbance will be kept to a minimum until production of the well is established.
- 4) Maximum travel surface will be 18 feet wide, with 22 feet wide maximum disturbance.

5) Trees (pinon & juniper) sagebrush and other vegetation removed from the road will be piled along the north side of the road. Brush and debris will be kept out of the canyon bottom.

6) If the well is a producer the road will be up-graded to BLM standards and guidelines from the Surface Use Standards in the 2nd edition of the Oil & Gas Handbook prepared by USGS - BLM -USFS.

Location -

- 1) The pad will be rounded off on the south ~~east~~^{west} corner by 25 feet to avoid the wash.
- 2) Clean an area at least 1.5 cat blader wide, behind the flow pit for fire precaution.
- 3) Pit(s) will be fenced on three sides during the drilling period. The 4th side will be fenced prior to rig removal. The fence will be constructed with 5 strands of barbed wire.

Restoration -

Producer -

- 1) The area not needed for production (from approximately 20 feet outside the deadmen or anchors to the outside edge of the disturbed surface area) will be re-contoured, top soils replaced, ripped and seeded.
- 2) If seed is broadcast over the area, seed will be planted at 2.5 the pounds per acre the plan calls for, and seed will be covered by harrowing or using a drag.

Non-Producer -

- 1) The site will be restored according to your 13 Point Plan, BLM Standards, and guidance from the Surface Use Standards portion, 2nd edition of yellow pamphlet by USFS - USGS - BLM.

RECLAMATION PROCEDURES IN GRAND RESOURCE AREA

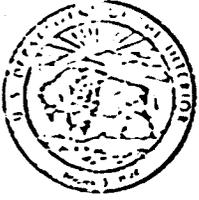
1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

| | | | |
|-------------|-------|---|-------------------|
| * 2 percent | Grade | - | 200 ft. intervals |
| 2-4 percent | Grade | - | 100 ft. intervals |
| 4-5 percent | Grade | - | 75 ft. intervals |
| 5 percent | Grade | - | 50 ft. intervals |

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

Seed Mixture

| Species | | Rate |
|----------------------|-----------------------|----------------|
| <u>Grasses</u> | | <u>lb/acre</u> |
| Oryzopsis hymenoides | Indian rice grass | 1 |
| Elymus salinas | Wild rye | 1 |
| Stipa comata | Needleandthread grass | 1 |
| <u>Forbs</u> | | |
| Sphaeralcea coccinia | Globemallow | 1 |
| <u>Browse</u> | | |
| Cercocarpus montanus | Mountain mahogany | 1 |
| Purshia tridentata | Bitterbrush | 1 |
| Atriplex canescens | 4-Wing salt bush | <u>1</u> |
| | | 7 |



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

IN REPLY REFER TO

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

| | |
|---------------|-------------------|
| Dynasty Green | (Sears) |
| Tumbleweed | (Pratt & Lambert) |
| Desert Tan | ----- |
| Sage Gray | (Pratt & Lambert) |

Bookcliffs Region:

| | |
|---------------|-------------------|
| Sage Gray | (Pratt & Lambert) |
| Sea Life | (Pratt & Lambert) |
| Dynasty Green | (Sears) |

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

FROM : DISTRICT GEOLOGIST ME, SALT LAKE CITY, UTAH
TO : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH
SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. U-24619
WELL NO. 23-16

OPERATOR: Tenneco Oil
LOCATION: C. SE 1/4 SE 1/4 sec. 23, T. 16S, R. 24E, S1M
Grand County, Utah

1. Stratigraphy:

| | | | |
|-------------|---------|-----------|--------------|
| Wasatch | surface | | |
| Mesaverde | 535' | | |
| Mancos | 1795' | Morrison | 5865' |
| Castlegate | 2030' | Salt Wash | 6160' |
| Mancos B | 2765' | | |
| Dakota silt | 5605' | <u>TD</u> | <u>6355'</u> |

2. Fresh Water:

Fresh water possible in Wasatch & Castlegate

3. Leasable Minerals:

Coal : lower Mesaverde (1000' to 1700')
Gas : Dakota, Morrison

4. Additional Logs Needed:

Run resistivity, gamma, and density/porosity logs through coal zone.

5. Potential Geologic Hazards: none expected

6. References and Remarks:

Signature: Gregory W Wood Date: 2-25-81

Tenneco Oil
Exploration and Production

A Tenneco Company



Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

February 18, 1981

Mr. Mike Mender
Utah Oil and Gas Commission
1588 West North Temple
Salt Lake City, Utah 84116

RE: Tenneco Hurt USA 23-16
809 FSL, 869 FEL
Sec. 23, T16S, R24E
Grand County, Utah

Dear Mr. Mender:

Enclosed for your review are two copies of the referenced well's Application for Permit to Drill. The site selected is closer than 1320 feet to the unit boundary because of topographic reasons. We understand the problems with correlative rights and accept the consequences.

Thank you for your cooperation. If any additional information is needed, please contact me.

Very truly yours,

TENNECO OIL COMPANY

A handwritten signature in cursive script, appearing to read "M. L. Freeman".

M. L. Freeman
Staff Production Analyst

MLF:cr

Enclosures

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: *Usatch*
- 2 & 3. Estimated Formation Tops:

(See Attached Drilling Procedure)
4. Proposed Casing Program:

(See Attached Drilling Procedure)
5. Blowout Preventors:
Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC Log.
6. Mud Program: (Sufficient quantity of mud and weight material will be available on location).

(See Attached Drilling Procedure.)
7. Auxiliary Equipment:
 - a. Kelly cock will be in use at all times.
 - b. Stabbing valve to fit drill pipe will be present on floor at all times.
 - c. Mud monitoring will be visual. No abnormal pressures are anticipated.
 - d. Floats at bits.
 - e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
8. Coring, Logging, and Testing Program:

(See Attached Drilling Procedure)
9. No abnormal pressures, temperatures or potential hazards such as H₂S are expected to be encountered.
10. The drilling of this well will start approximately *Feb/Mar '81* and continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

DRILLING PROCEDURE

DATE: January 29, 1981

LEASE: Middle Canyon Unit USA

WELL NO.: 23-16

LOCATION: 809.0' FSL, 869.0' FEL
Section 23, T16S, R24E
Grand County, Utah

FIELD: Bryson Canyon

ELEVATION: 6423' G.L.

TOTAL DEPTH: 6355'

PROJECTED HORIZON: Morrison

SUBMITTED BY: Tom Dunning DATE: January 29, 1981

APPROVED BY: _____ DATE: _____

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

| | | |
|-------------|---------|-------|
| Wasatch | Surface | |
| Mesaverde | 535' | |
| Mancos | 1795' | |
| Castlegate | 2030' | Water |
| Mancos B | 2767' | Gas |
| Dakota Silt | 5605' | Gas |
| Morrison | 5865' | Gas |
| Salt Wash | 6160' | Gas |
| Entrada | 6455' | Gas |
| TD | 6355' | |

1. No abnormal pressures, temperatures or H₂S is anticipated on this hole.
2. Reserve pit shall be fenced on 3 sides during drilling operations in order to comply with BLM and USGS regulations.

DRILLING, CASING, AND CEMENT PROGRAM

1. MIRURT.
2. Set 1-3 joints of 9 5/8" casing as needed to be used as conductor pipe.
3. Install casing head and nipple up rotating head and bloopie line.
4. Drill 8 3/4" hole to 2230' or 200 feet into the Castlegate Formation.
5. Log well as per G.E. department recommendations.
6. Run 7", 23#, K-55, ST&C surface casing to T.D. Cement with sufficient volume to circulate cement to the surface.
7. WOC. Nipple up casing spool, BOP's rotating head, choke manifold, etc. Pressure test BOP's, manifold, etc. to 1000 psi for 15 minutes.
8. TIH and displace water in casing with air. Drill out shoe and dry up hole.
9. Drill 6 1/4" hole to T.D.
10. Log well as per G.E. department recommendations.
11. If well is productive, run 4 1/2", 10.5#, K-55, ST&C casing to T.D. Cement with sufficient volume to cover all possible productive zones.
12. If the well is non-productive, P & A as per Regulatory Agency Specifications.

CASING PROGRAM

CONDUCTOR: 30' to 125' as needed 9 5/8", 36#, K-55, ST&C.
SURFACE: 2230' 7", 23#, K-55, ST&C.
- PRODUCTION: 6355' 4 1/2", 10.5#, K-55, ST&C.

MUD PROGRAM

0-125 Spud mud. Viscosity as needed to clean hole.
125-2230 Air or Air/Mist.
2230-6355 Air or Air/Mist.

NOTE: Should the hole become wet or encounter large gas flows which require mud up, keep the weight as low as possible, vis as needed, and W.L. + 6 cc.

EVALUATION

Cores and DST's:

None.

Deviation Surveys:

0-125 Every 100' unless hole conditions prohibit running the surveys. Maximum deviation at T.D. 1°.
125-2230 Every 500' or on trips. Maximum deviation 1° per 100' or 2½° at TD.
2230-6355 Every 500' or on trips. Maximum deviation 1° per 100' or 6° at TD.

Samples:

None.

Logs:

Surface Hole - as specified by G.E. Department.

Production Hole - as specified by G.E. Department.

BLOWOUT EQUIPMENT

1. Double ram hydraulic with pipe and blind rams operated by an accumulator.
2. Rotating head on air or air/mist holes.
3. Preventors must be checked for operation every 24 hours. This check must be recorded on the IADC Drilling Report Sheet.

REPORTS

Drilling Reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud cost, deviation surveys, and other pertinent information to be called into Division Office by 7:30 A.M. Monday thru Friday.

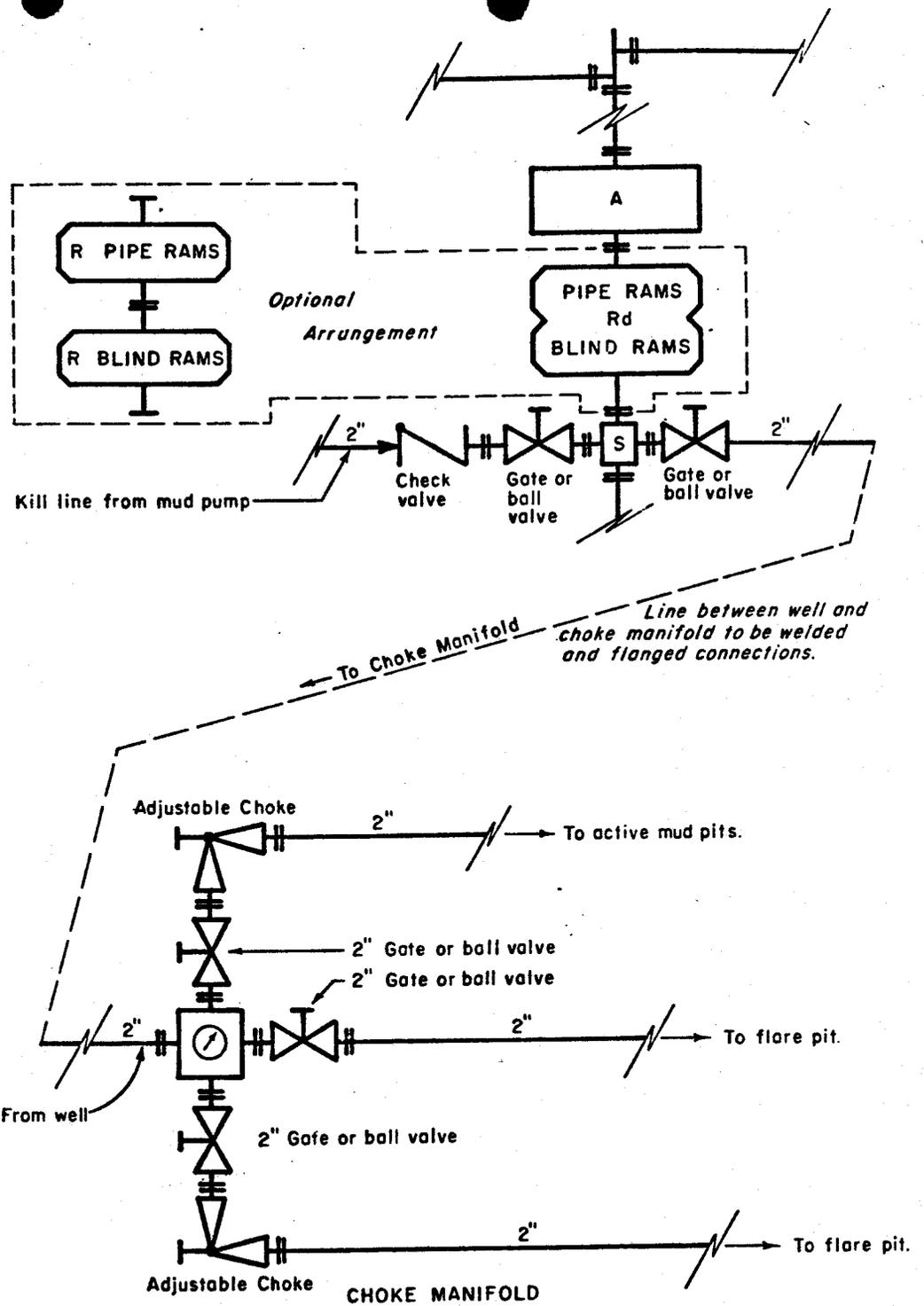
TENNECO OIL COMPANY
P.O. BOX 3249
ENGLEWOOD, COLORADO 80155
PHONE: 303-740-4800

Office Directory

| | |
|---------------|----------|
| Don S. Barnes | 740-4814 |
| John W. Owen | 740-4810 |
| Tom Dunning | 740-4813 |
| Dale Kardash | 740-4809 |

In case of emergency or after hours call the following in the preferred order.

- | | | |
|--|----------|--------|
| (1) Don S. Barnes | 740-4814 | Office |
| Division Drilling Engineer | 936-0704 | Home |
| (2) John W. Owen | 740-4810 | Office |
| Senior Drilling Engineering Specialist | 795-0221 | Home |
| (3) Mike Lacey | 797-2651 | Home |
| Division Production Manager | | |



All equipment to be 3,000 psi working pressure except as noted.

- Rd Double ram type preventer with two sets of rams.
- R Single ram type preventer with one set of rams.
- S Drilling spool with side outlet connections for choke and kill lines.
- A Annular type blowout preventer.

ARRANGEMENT B

TENNECO OIL COMPANY
 ROCKY MOUNTAIN DIVISION
 REQUIRED MINIMUM
 BLOWOUT PREVENTER AND
 CHOKE MANIFOLD

I. EXISTING ROADS

A. Proposed Well Site Location:
See Exhibit 1

B. Planned Access Route:
See Exhibits 4 & 5.

C. Access Road Labelled:

Color Code: Red - Improved surfaced roads
Blue - New access road to be constructed

D. Not applicable, the proposed well is a development well.

E. The existing roads are shown in Exhibits 4 & 5.

F. Existing Road Maintenance or Improvement:

The existing road will not require improvement. However, this road, along with the new access road, may require occasional grading to return the road surface to a cross section necessary for proper drainage.

II. PLANNED ACCESS ROUTE

A. Route Location - (See Exhibits 4 and 5)

The planned new access route was selected to provide the shortest distance to the well site with acceptable grades from the main connector road. Temporary access will be built initially. If the facility is productive, the temporary road will be improved as follows:

1. Width:

The average disturbed width will be 26 feet. The average traveled surface width will be twenty feet. Road construction will be in accordance with typical roadways requested by the U.S. Bureau of Land Management.

2. **Maximum Grades:**
Grades will be kept to a minimum using all available engineering techniques. It is, however, impossible to give a percent grade until the road has been aligned to the satisfaction of the surface management agency. We will have grades that are safe and passable under adverse weather conditions and that utilize the existing topography and surface geological conditions.
3. **Turnouts:** Turnouts are not required
4. **Drainage Design:**
Prior to construction of the new access road, the brush and topsoil will be windrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and the inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1.
5. **Culverts Use, Major Cuts and Fills:** Culverts will be placed as needed and suggested by the BIM.

Max: cut -
Max: fill -
6. **Surfacing Material:**
The proposed permanent access road will be constructed with native material.
7. **Gates, Cattleguards, Fence Cuts:** Not needed.
8. **New portion of road will be center flagged.**

III. LOCATION OF EXISTING WELLS

The proposed well is a development well. Exhibit 7 shows existing wells within a one mile radius.

- | | |
|-------------------------------------|---------------|
| A. Water Wells: | See Exhibit 7 |
| B. Abandoned Wells: | " |
| C. Temporarily Abandoned Wells: | " |
| D. Disposal Wells: | " |
| E. Drilling Wells: | " |
| F. Producing Wells: | See Exhibit |
| G. Shut-In Wells: | " |
| H. Injection Wells: | " |
| I. Monitoring or Observation Wells: | None. " |

IV. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Existing facilities within one mile owned or controlled by Lessee/
Operator:

1. Tank batteries - See Exhibit 7
2. Production facilities - "
3. Oil gathering lines - "
4. Gas gathering lines - "
5. Injection lines - "
6. Disposal lines - "

B. New facilities in the event of production:

1. New facilities: May consist of a well head, condensate tank, production unit, meter house, all of which would remain within the disturbed area. Exhibit 6 shows our most typical arrangement for this area.
2. Dimensions of the facilities are shown in Exhibits 2 and 3 .
3. Construction will be to strip the topsoil, level drilling pad. Dehydrator pits will be constructed with soil materials native to the site. Construction methods will be employed to assume that no drainage flows are impounded to prevent the loss of any hydrocarbon from the site. This is to be done in a manner to facilitate rapid recovery and clean up.
4. Protective measures to protect wildlife and livestock:
Dehydrator pits shall be overhead flagged should any hydrocarbon material be present on the surface. The dehydrator pits shall be fenced to prevent entry of livestock or wildlife.

C. Plan for rehabilitation of disturbed areas no longer need for operations after construction completed:

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued usage will be graded to provide drainage and minimize erosion. Those areas unnecessary for use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded according to BLM specifications.

V. LOCATION AND TYPE OF WATER SUPPLY

- A. The water source is to be from a legal private source, Frank Spadafora.
- B. Water transportation system: Water to be hauled in trucks from an undetermined pick up point.
- C. Water wells: None

VI. SOURCE OF CONSTRUCTION MATERIALS

A. Materials:

Construction materials will consist of soil encountered with the boundaries of the proposed site. Topsoil will be stripped to a depth of six inches and stockpiled in an area that does not interfere with operations.

B. Land Ownership:

The planned site and access roads lie on Federal land administered by the United States Department of Interior, U.S. Bureau of Land Management.

C. Materials foreign to site: N/A

D. Access road shown under Exhibit 5.

VII. METHODS OF HANDLING WASTE MATERIALS

A. Cuttings:

Will be contained within the limits of the reserve pit.

B. Drilling fluids:

Will be retained in the reserve pit.

C. Produced fluids:

No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Prior to clean up operations the hydrocarbon materials will be skimmed or removed as the situation would dictate.

D. Sewage:

Sanitary facilities will consist of at least one chemical toilet and after the completion of operations the sewage will be removed and disposed of elsewhere.

E. Gargage:

A burn cage will be used to burn all flammable material. The small amount of refuse will be removed from the site and disposed of at a legal and environmentally acceptable location.

F. Clean up of well site:

After drilling, the surface of the drill pad will be cleaned and graded to accommodate a completion rig. The "mouse hole" and "rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

VIII. ANCILLARY FACILITIES

None required.

IX. WELL SITE LAYOUT

A. See Exhibits - 2 & 3

1. Location of pits:
2. Rig Orientation:

B. Pits will be unlined, unless otherwise required.

X. PLANS FOR RESTORATION OF SURFACE

A. Reserve Pit Cleanup:

The pit will be fenced prior to rig release and shall be maintained until cleanup. Prior to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per Bureau of Land Management recommendation during the appropriate season following final restoration of the site.

B. Restoration Plans - Production Developed:

The reserve pit will be backfilled and restored as described under Item A. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on these areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C. Restoration Plans - No Production Developed:

Of course the reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per Bureau of Land Management requirements.

XI. OTHER INFORMATION

- A. Surface Description: Location is in canyon bottomland. Principal vegetation includes pinon and juniper, sage, cactus, mountain mahogany, and native grasses. Canyon wall rises rapidly on both sides of narrow drainage.
- B. Other Surface-use Activities: The surface is federally owned and managed by the BLM/USGS. The predominant surface use is mineral exploration and production with minimal grazing activity.
- C. Proximity of Water, Dwelling, Historical Sites:
1. Water: East Canyon lies approximately $\frac{1}{4}$ mile to the SE.
 2. Occupied Dwellings: Not existing.
 3. Historical Sites: An archaeological reconnaissance has been performed for this location and report is on file with the appropriate USGS/BLM offices.

XII. OPERATOR'S REPRESENTATIVE

Field personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

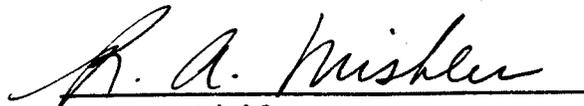
Donald Barnes
P.O. Box 3249
Englewood, Colorado 80155
Phone: (303) 740-4814

R.A. Mishler
P.O. Box 3249
Englewood, Colorado 80155
Phone: (303) 740-4825

XIII. CERTIFICATION

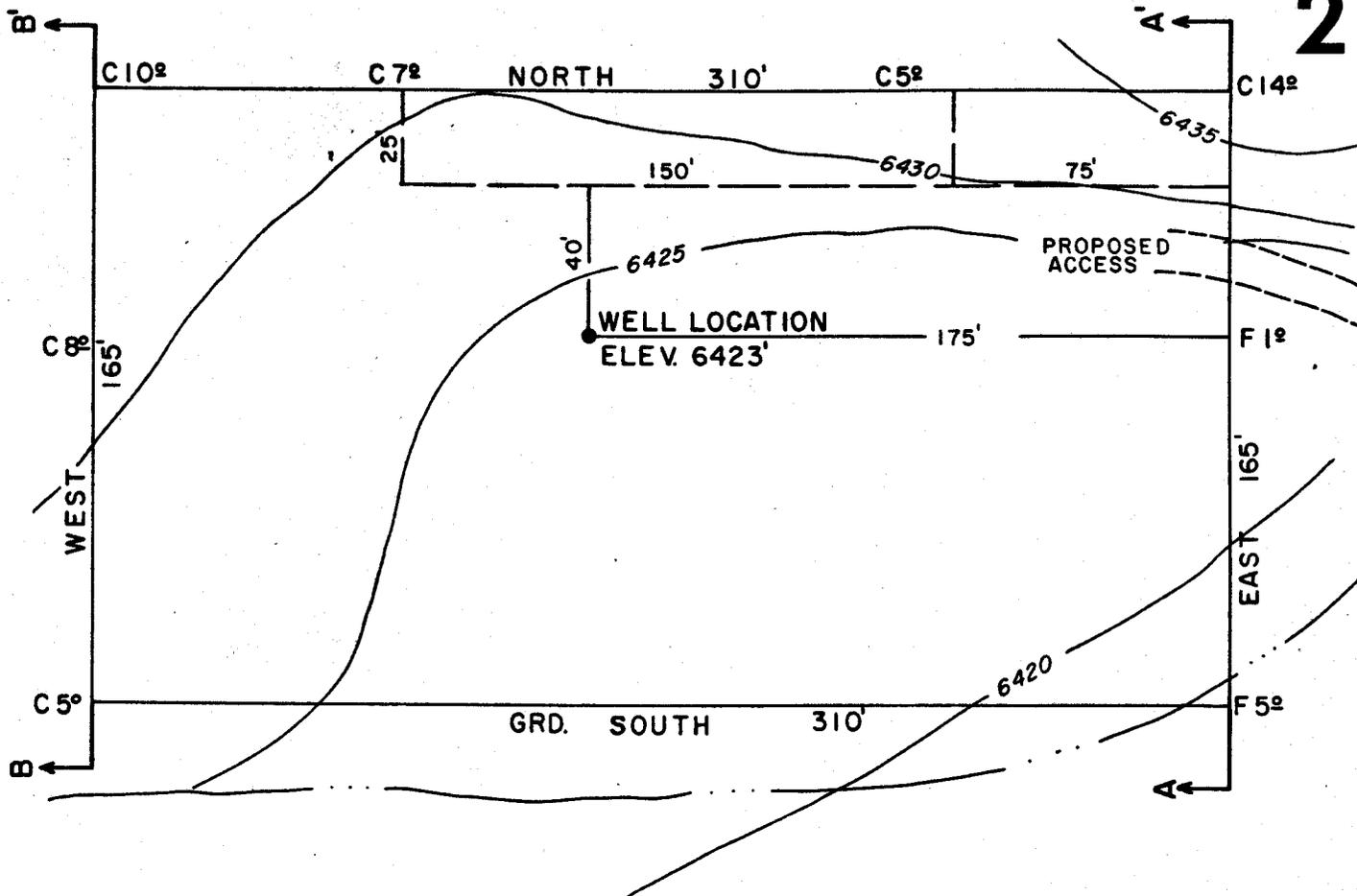
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

DATE: February 3, 1981


R.A. Mishler
Sr. Production Analyst

PAD TOPOGRAPHY

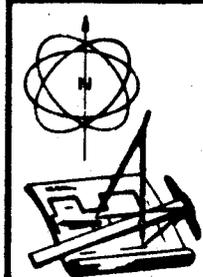
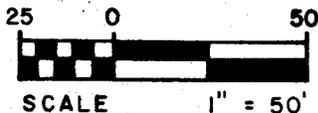
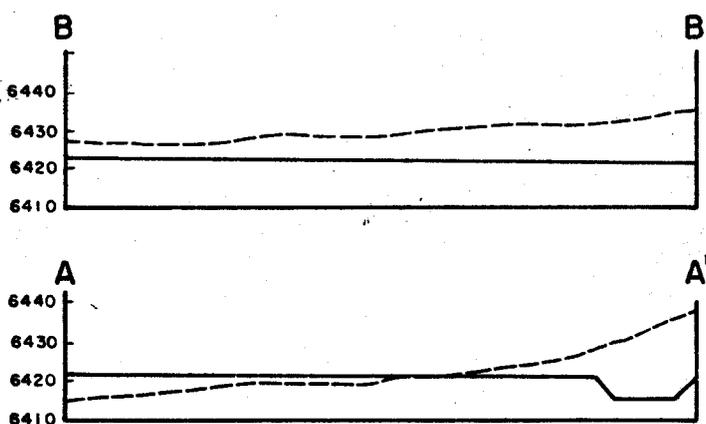
2



Ref. Pt. 200' N. 6434'
 Ref. Pt. 200' W. 6426'

CUT/FILL

CUT = 6300 cu. yds.
 FILL = 700 cu. yds.



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

SCALE 1" = 50'
 DATE 10/6/80
 DRAWN BY MEL
 CHECKED BY EAA
 DATE OF REVISION 10/2/80

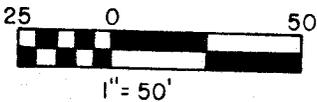
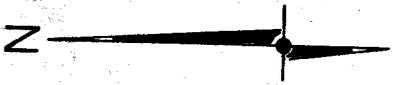
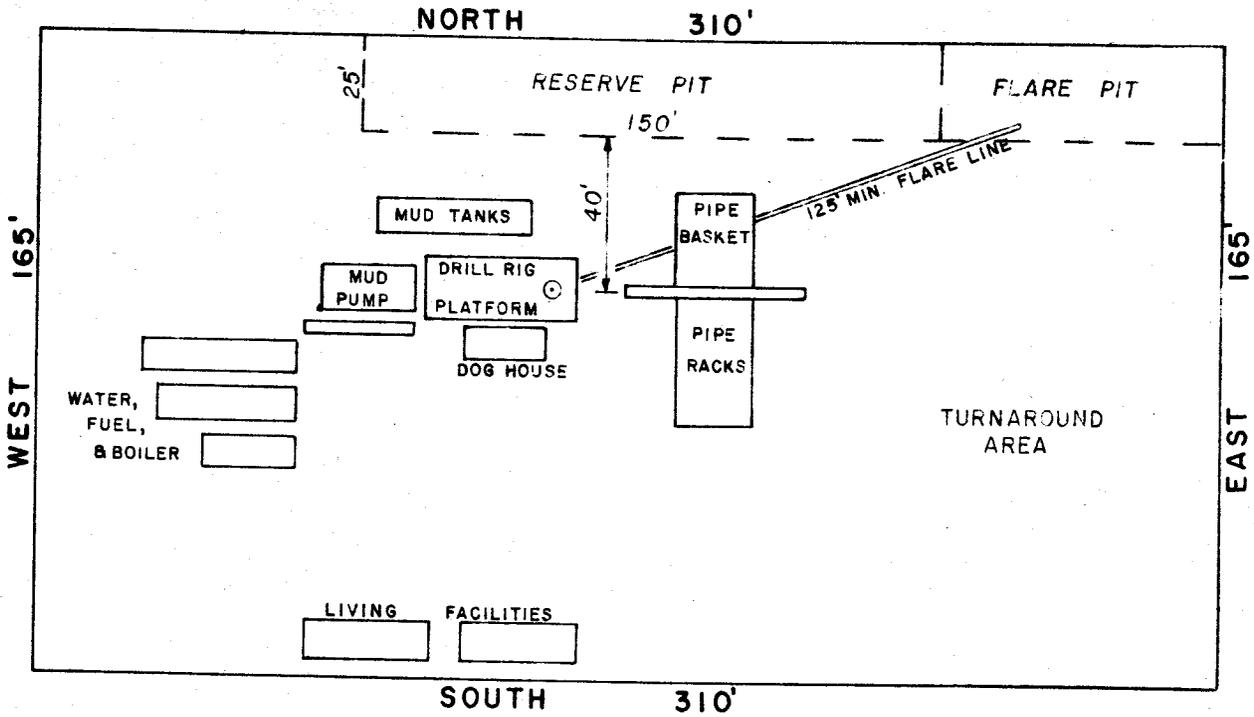
TENNECO OIL
 TENNECO HURT USA 23-16

SHEET 2 of 5

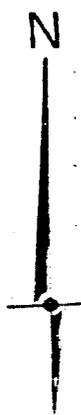
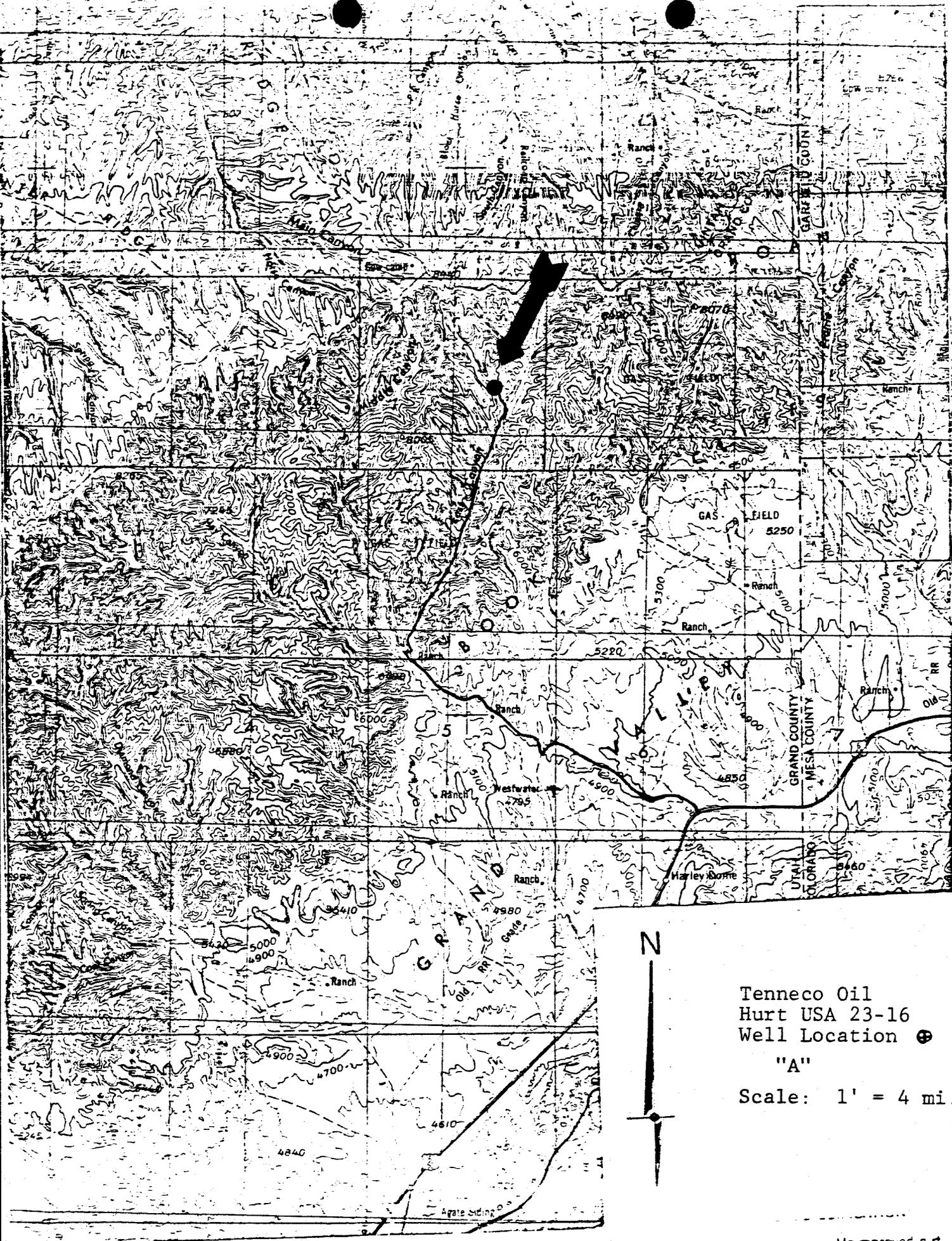
JOB NUMBER
 803037

RIG LAYOUT

3



| | | |
|-----------------------------|---|---------------------------------------|
| | ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE • GRAND JUNCTION, COLORADO 81501 • (303) 245 3861 | |
| | SCALE 1" = 50' | TENNECO OIL TENNECO HURT USA 23-16 |
| | DATE 10/6/80 | JOB NUMBER 803037 |
| | DRAWN BY MEL | |
| CHECKED BY EAA | SHEET 3 of 5 | |
| DATE OF REVISION 10/2/80 | | |



Tenneco Oil
 Hurt USA 23-16
 Well Location ⊕
 "A"

Scale: 1' = 4 mi.

T. 16 S.

7337

7356

7166

7215

Drill Hole

CANYON

24

1500' PROPOSED ACCESS

21 MI. IMPROVED DIRT TO U.S. 6150

R. 24E.

R. 25E.

19

25

30

26

25

Drill Hole

7090

X 6875

X 7495

X 7675

6895

X 6985

6855

35

35

36

36

31

7192

6400

N

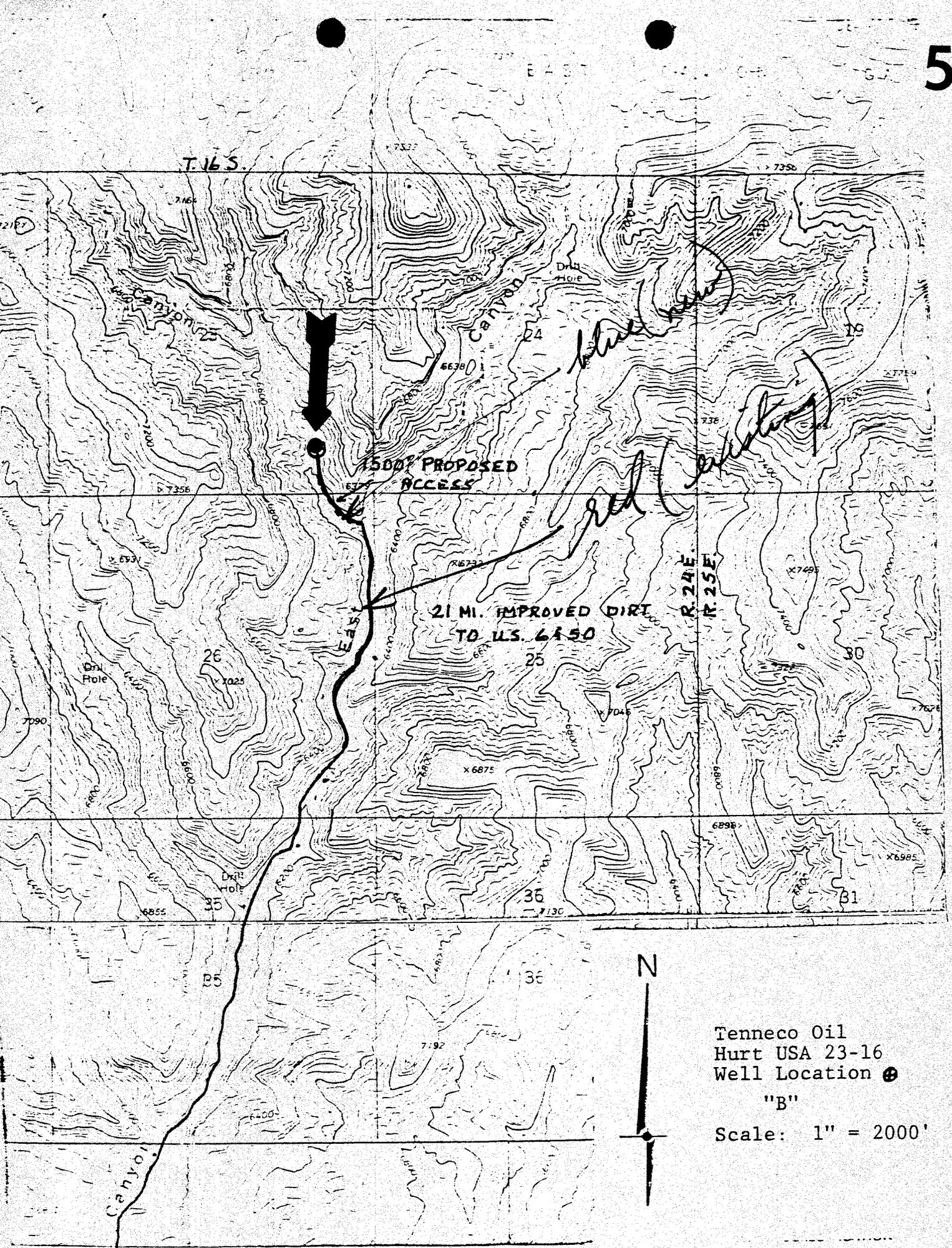
Tenneco Oil
Hurt USA 23-16
Well Location ⊕

"B"

Scale: 1" = 2000'

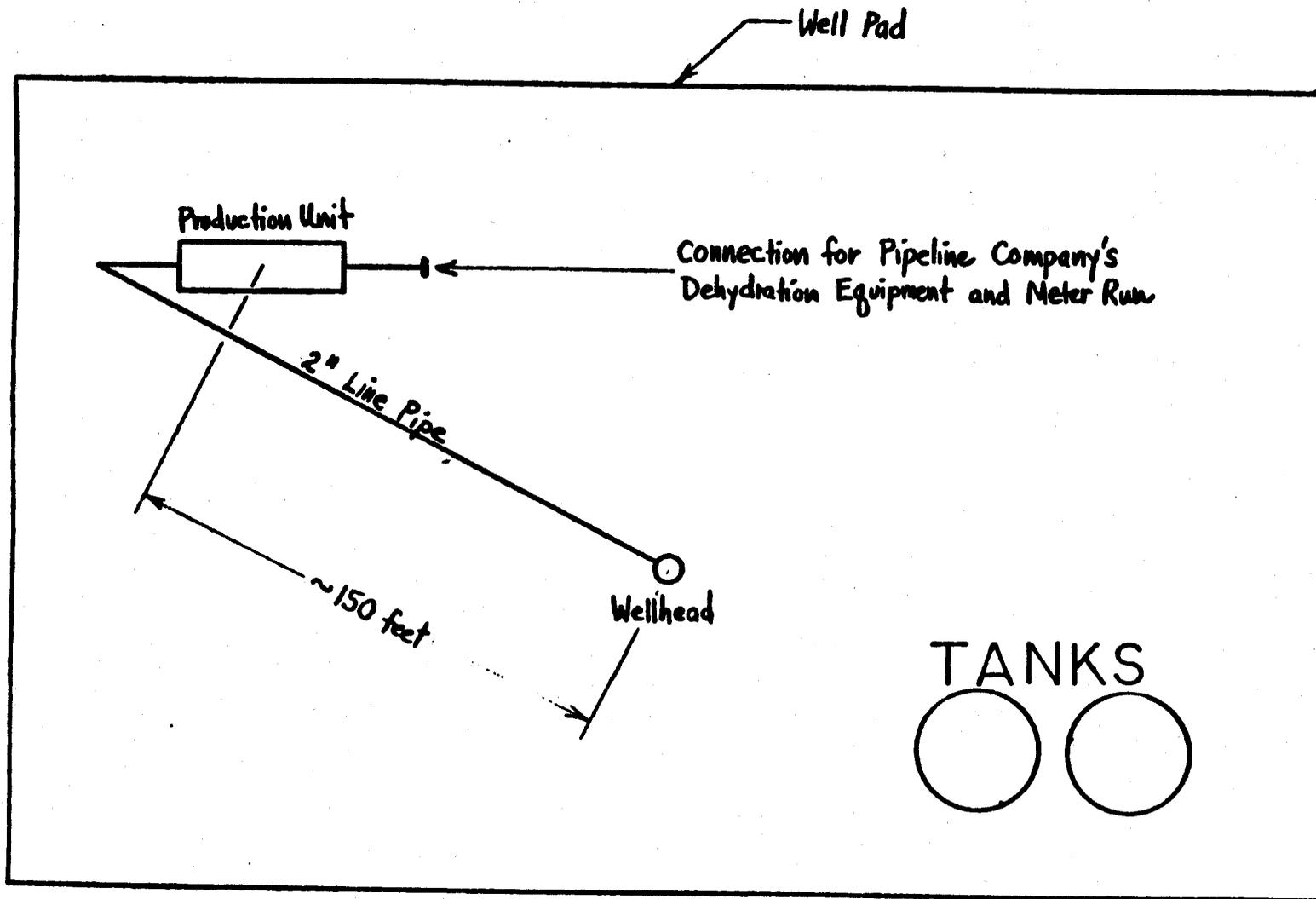
Light-duty

Unimproved dirt



6

PROBABLE EQUIPMENT INSTALLATION



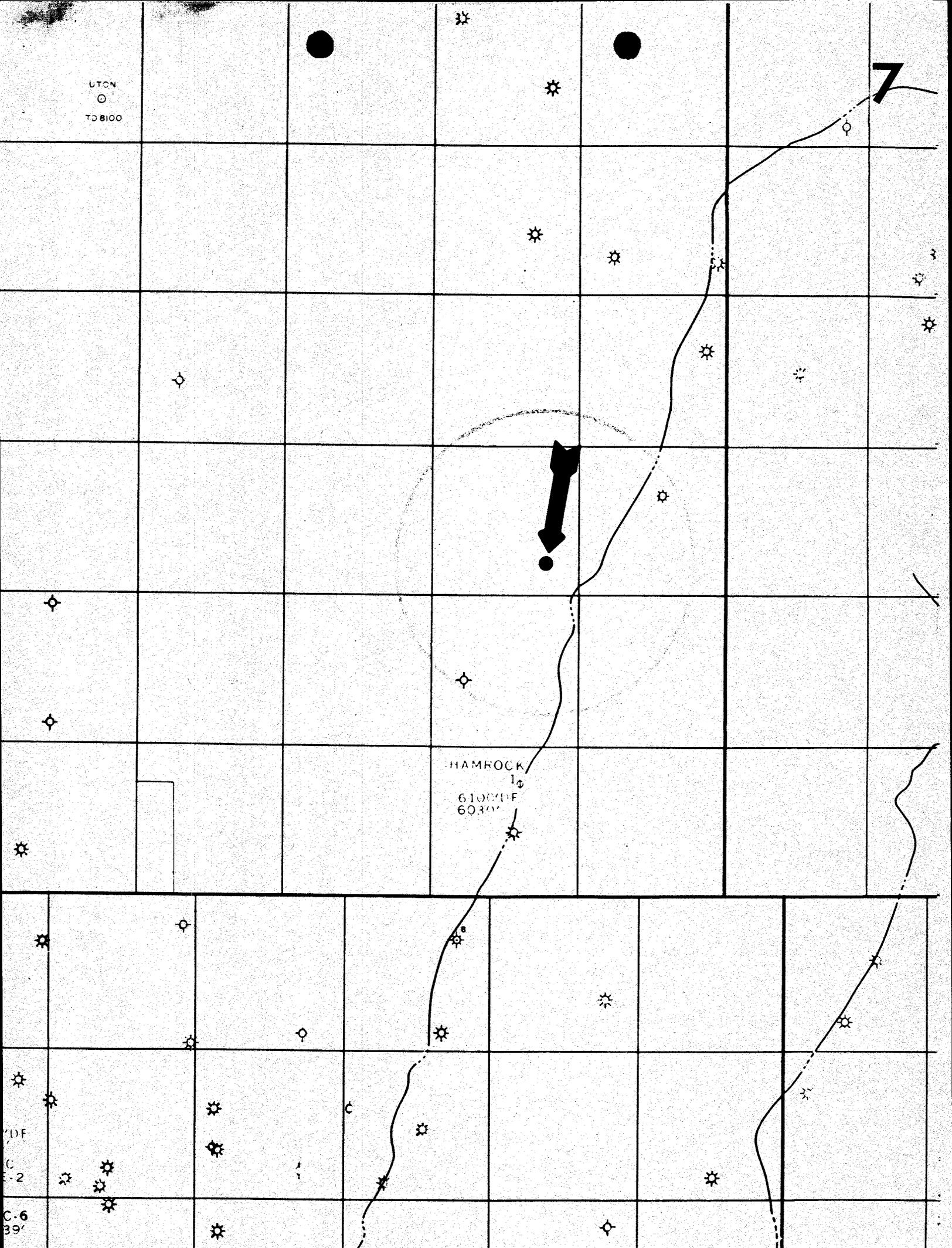
NOT TO SCALE

UTON
O
TD 8100

7

HAMROCK
1
6100DF
6030'

DF
C
E-2
C-6
39'





United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

IN REPLY REFER TO

3100
(U-603)

Oct. 16, 1980

M.L. Freeman
Tenneco Oil Co.
Penthouse
720 South Colorado Blvd.
Denver, CO 80222

Reference: Staking Request (PER)
Well: Toc Hurt USA 23-16
Section 23, T. 16 S., R. 24 E.
Grand County, Utah

Dear mr. Freeman:

This office has no objections to staking the above referenced locations. Would you include your bond number when submitting your application to drill. In addition you should be knowledgeable that Grand County requires a permit if you plan to use a county road as a portion of your access road. You should contact the Grand County Road Supervisor. An archaeological clearance must be obtained after staking the site(s).

Sincerely yours,

M. Scott Packer
Acting Area Manager

RECEIVED

OCT 22 1980

**TENNECO OIL CO.
DENVER**

NICKENS and ASSOCIATES

P.O. Box 727
Montrose, Colorado 81401
Phone: (303) 249-3411

November 4, 1980

Mr. M. L. Freeman
Tenneco Oil Exploration and Production
P.O. Box 3249
Englewood, Colorado 80155

Dear Mr. Freeman:

We have completed cultural resource inspections for the following Tenneco locations:

1. Moab BLM District/Grand County, Utah

| | |
|-------|-------|
| 15-1 | 26-16 |
| 15-9 | 23-16 |
| 26-1 | 30-5 |
| 23-6 | 29-3 |
| 27-1 | 1-4 |
| 13-15 | 6-1 |

2. Grand Junction BLM District/Mesa County, Colorado

24-13
25-9
36-1

3. Craig BLM District/Rio Blanco County, Colorado

27-2
27-4
33-10

No historic or prehistoric cultural resource sites were recorded at any of these proposed locations, and summary reports recommending that no further cultural resource evaluation is necessary have been forwarded to the appropriate review offices.

The attached reports and invoice completes our work on the well locations we have received from Armstrong Engineering with the exception of Tenneco Brown A USA 27-12 which recently arrived in the mail. We will conduct a survey on this proposed location in the near future.

If you have any questions on this work, please do not hesitate to contact me.

Sincerely,

Paul R. Nickens
Paul R. Nickens, Ph.D.
Principal Investigator

RECEIVED

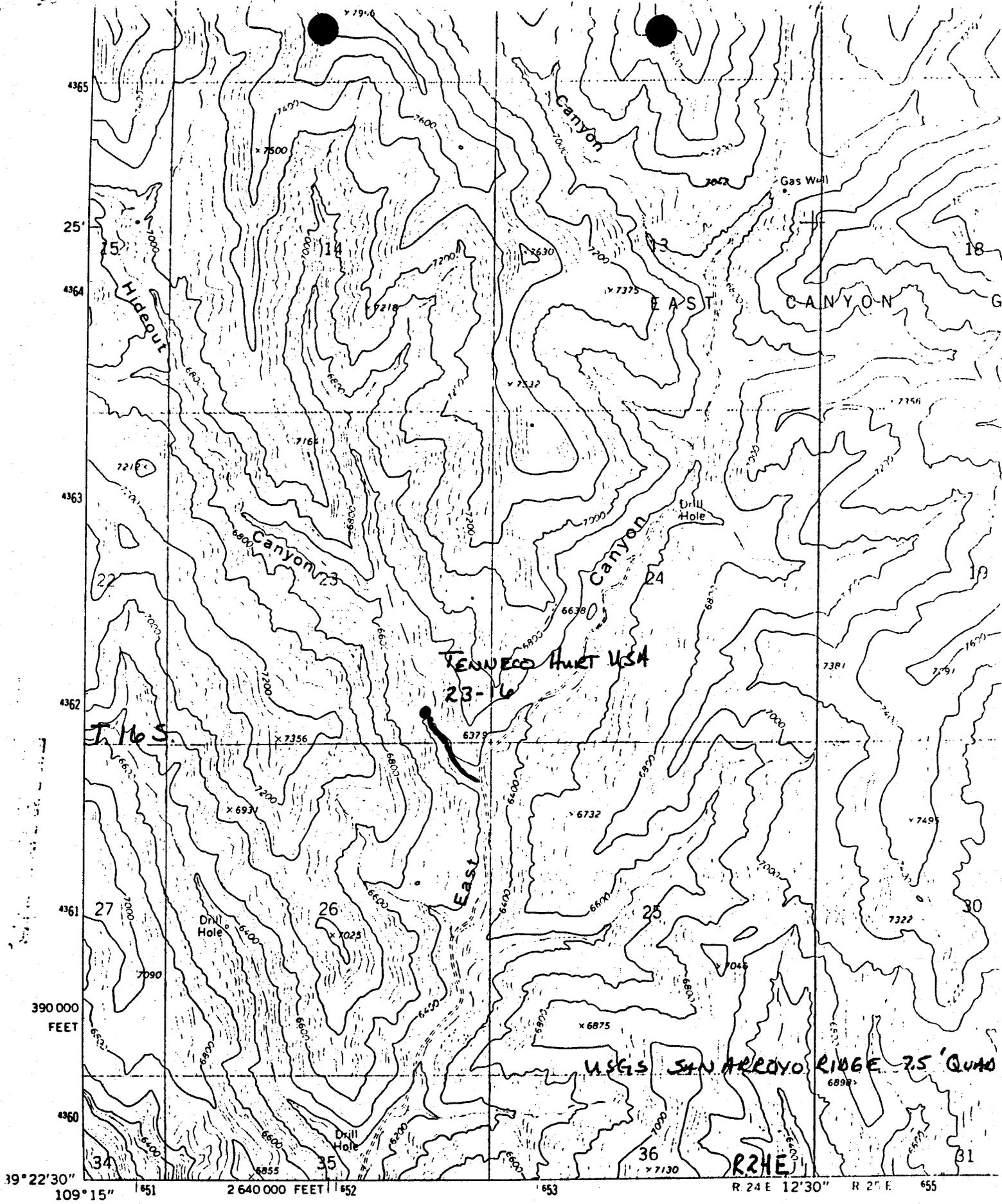
NOV 6 1980

**TENNECO OIL CO.
DENVER**

PRN/j
Enclosures

6. Fieldwork Location:

| <u>Well Location</u> | <u>TWN</u> | <u>Range</u> | <u>Section(s)</u> |
|----------------------|------------|--------------|-------------------|
| 15-1 | 17S | 24E | 15 |
| 15-9 | 17S | 24E | 15 |
| 26-1 | 16S | 24E | 26 |
| 23-6 | 16S | 24E | 26, 27 |
| 27-1 | 16S | 24E | 26, 27 |
| 13-15 | 17S | 24E | 13, 24 |
| 26-16 | 16S | 24E | 26 |
| 23-16 | 16S | 24E | 23, 26 |
| 30-5 | 19S | 21E | 30 |
| 29-3 | 19S | 21E | 29 |
| 1-4 | 17S | 25E | 1 |
| 6-1 | 17S | 26E | 5, 6 |



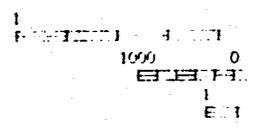
Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1969. Field checked 1970

Polyconic projection. 1927 North American datum
10 000 foot grid based on Utah coordinate system central zone

★
GN MN



CANYON
162 W SE

16

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK
 DRILL DEEPEN PLUG BACK

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

3. NAME OF OPERATOR
 Tenneco Oil Company

4. ADDRESS OF OPERATOR
 P.O. Box 3249, Englewood, Colorado 80155

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements*)
 At surface 809 FSL, 869 FEL **SESE**
 At proposed prod. zone same as above

6. LEASE DESIGNATION AND SERIAL NO.
 U-24619

7. UNIT AGREEMENT NAME
 Middle Canyon

8. FARM OR LEASE NAME
 Middle Canyon Unit USA

9. WELL NO.
 23-16

10. FIELD AND POOL OR WILDCAT
 Wildcat

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA
 Sec. 23, T16S, R24E

12. COUNTY OR PARISH
 Grand

13. STATE
 Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately 24 miles NNW of Westwater, Utah

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest strip unit line, if any)
 809'

16. NO. OF ACRES IN LEASE
 1520

17. NO. OF ACRES ASSIGNED TO THIS WELL
 360

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 ±6355' *Entrada*

19. PROPOSED DEPTH
 ±6355' *Entrada*

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 6423' GR

22. APPROX. DATE WORK WILL START*
 Feb./March 1981

RECEIVED
FEB 23 1981

SESE

DIVISION OF OIL, GAS & MINING

23. PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|----------------------------|
| 8 3/4" | 7" new | 23# | ±2230' | Circulate to surface |
| 6 1/4" | 4 1/2" new | 10.5# | ±6355' | Cover all productive zones |

Set 1-3 joints of 9 5/8" casing as needed to be used as conductor pipe.

See attached.

Pre-stake clearance attached.

Archaeological report attached.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
 DATE: 2-25-81
 BY: M.S. Miskler

RECEIVED
 FEB 6 1981
 DIVISION OF OIL, GAS & MINING

RECEIVED
 FEB 17 1981
 TENNECO OIL CO.
 SUPERVISOR

LEG FREEMAN

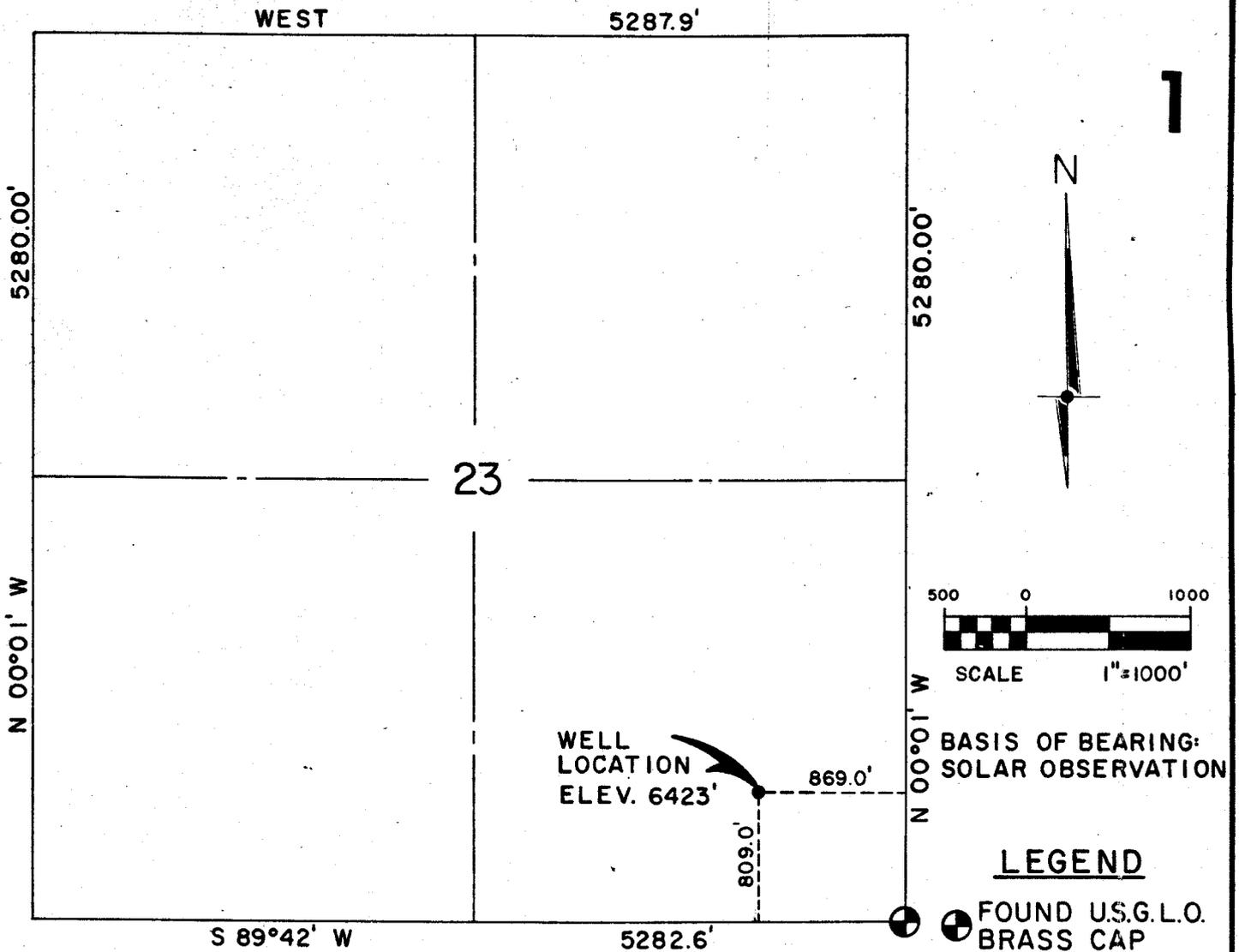
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

SIGNED R.A. Miskler TITLE Sr. Production Analyst DATE February 3, 1981
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:



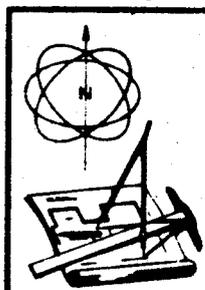
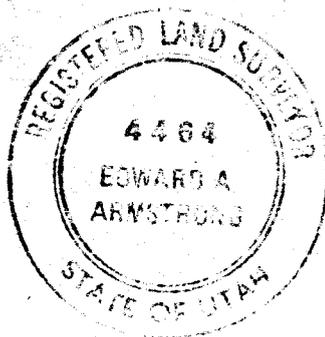
WELL LOCATION
809.0 FT. N.S.L. — 869.0 FT. W.E.L.
SECTION 23, T.16 S., R.24 E., SLB & M
GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong

EDWARD A. ARMSTRONG P.E. & L.S. 4464



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE — GRAND JUNCTION, COLORADO 81501 — (303) 245-3861

SCALE 1"=1000'
DATE 10/6/80
DRAWN BY MEL
CHECKED BY EAA
DATE OF SURVEY 10/2/80

TENNECO OIL
TENNECO HURT 'USA 23-16

SHEET 1 of 5

JOB NUMBER
803037

** FILE NOTATIONS **

DATE: Feb 24, 1981
OPERATOR: Tenneco Oil Company
WELL NO: Middle Canyon Unit #23-16
Location: Sec. 23 T. 16S R. 24E County: Grand

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-019-30781

CHECKED BY:

Petroleum Engineer: M. G. Minder 2-25-81 approve
as a gas well, however, the affect. lease may affect
this well by a like distance

Director: _____

Administrative Aide: Unit approval - topog exception enclosed

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ O.K. Rule C-3

Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site

Lease Designation Plotted on Map

Approval Letter Written

Hot Line P.I.

February 27, 1981

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Middle Canyon Unit #23-16
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Section 40-6-11, Utah Code Annotated 1953; and predicated on Rule A-3, General Rules and Regulations and Rules of Practice and Procedure. This approval is conditional that the offset leasee may offset this well by a like distance.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30781.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

M. T. Minder
Michael T. Minder
Petroleum Engineer

MTM/ko
cc: USGS



SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

JOHN L. BELL
C. RAY JUVELIN
THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

October 14, 1981

Tenneco Oil Company
P.O. Box 3249
Englewood, CO 80155

Re: See Attached Sheet

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify this office.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

TERRI REID
CLERK TYPIST

Well No. Middle Canyon Unit #23-6
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #23-16
Sec. 23, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #27-1
Sec. 27, T. 16S, R. 24E
Grand County, Utah

Well No. Middle Canyon Unit #27-12
Sec. 27, T. 16S, R. 24E
Grand County, Utah

Well No. Federal 5-13
Sec. 5, T. 17S, R. 24E
Grand County, Utah

Well No. Hougén USA 15-9
Sec. 15, T. 17S, R. 24E
Grand County, Utah

Well No. Nataro 19-4
Sec. 19, T. 17S, R. 24E
Grand County, Utah

Well No. USA 15-7
Sec. 15, T. 18S, R. 22E
Grand County, Utah

Well No. Sulpher Canyon Unit #17-9
Sec. 17, T. 18S, R. 24E
Grand County, Utah

Well No. USA #12-10
Sec. 12, T. 19S, R. 22E
Grand County, Utah

Tenneco Oil
Exploration and Production
A Tenneco Company

Rocky Mountain Division

P.O. Box 3249
Englewood, Colorado 80155
(303) 740-4800

Delivery Address:
6061 South Willow Drive
Englewood, Colorado

October 23, 1981

NOV 28 1981

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Ms. Terri Reid

RE: Status of Wells with APD's
Approved by Your Office

Dear Ms. Reid:

In regards to your letter dated October 14, 1981, the following is a report on the drilling status on each of the wells mentioned:

Middle Canyon Unit #23-6
Sec. 23, T16S R24E Grand, Utah

Federal APD's have been returned.
This well has been scratched indefinitely.

~~Middle Canyon Unit #23-16~~
~~Sec. 23, T16S R23E Grand, Utah~~

~~Location is built. State approval~~
~~expires 2/20/82. Will drill in 1982.~~

~~Middle Canyon Unit #27-1~~
~~Sec. 27, T16S R24E Grand, Utah~~

~~Federal APD's returned. This well has~~
~~been scratched indefinitely.~~

Middle Canyon Unit #27-12
Sec. 27, T16S R24E Grand, Utah

Location is built. State approval
expires 2/82. Will drill in 1982.

TOC USA #5-13
Sec. 5, T17S R24E Grand, Utah

Federal approval expires 9/19/81. Will
send in extension request under separate
cover.

Hotgen USA #15-9
Sec. 15, T17S R24E Grand, Utah

Federal APD will be filed under new name
TOC/TXO #15-9

Nataro #19-4
Sec. 19, T17S R24E Grand, Utah

Will not be drilled in 1981. Scratched
from program indefinitely.



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

May 6, 1982

Tenneco Oil Exploration & Production
P. O. Box 3249
Englewood, Colorado 80155

Re: See attached

Gentlemen:

In reference to the above mentioned wells, considerable time has gone by since approval was obtained from this office.

This office has not received any notification of spudding. If you do not intend to drill these wells, please notify this Division. If spudding or any other activity has taken place, please send necessary forms. If you plan to drill this location at a later date, please notify as such.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

Well No. Middle Canyon Unit #23-16
Sec. 23, T. 16S, R. 24E.
Grand County, Utah

Well No. Middle Canyon Unit #27-12
Sec. 27, T. 16S, R. 24E.
Grand County, Utah

Well No. TOC TXO POGO USA #15-9
Sec. 15, T. 17S, R. 24E.
Grand County, Utah

Well No. Sulphur Canyon Unit #17-9
Sec. 17, T. 18S, R. 24E.
Grand County, Utah

~~Well No. Butler Canyon USA #3-16
Sec. 3, T. 20S, R. 17E.
Grand County, Utah~~

Well No. Butler Canyon USA #10-3
Sec. 10, T. 20S, R. 17E.
Grand County, Utah

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104-3884

May 12, 1982

Tenneco Oil Company
P.O. Box 3249
Englewood, Colorado 80155

Re: Rescind Application for Permit
to Drill
Well No. 23-16
Sections 23, T. 16S., R. 24E.
Grand County, Utah
Lease No. U-24619

Gentlemen:

The Application for Permit to Drill the referenced well was approved on May 5, 1981. 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 then be submitted to this office. Your cooperation in this matter is appreciated.

Sincerely,

(ORIG. SGD.) R. A. HENRICKS
Production Unit Supervisor
E. W. Gynn
So District Oil & Gas Supervisor

bcc: SMA
State O&G
State BLM
MMS-Vernal
Well File
APD Control

RAH/tm