

UTAH OIL AND GAS CONSERVATION COMMISSION

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

* Location Abandoned - Well never drilled - Feb 8, 1982

DATE FILED 2-6-81

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

DRILLING APPROVED: 2-11-81 Gas WELL

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED: LA Feb 8, 1982

FIELD: ~~Wildcat~~ 3/86 Undesignated

UNIT: Middle Canyon

COUNTY: Grand

WELL NO. Middle Canyon Unit #23-6 API NO. 43-019-30774

LOCATION 2029.6' FT. FROM (N) LINE. 2211.4' FT. FROM (W) LINE. SE NW 1/4 - 1/4 SEC. 23

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
16S	24E	23	TENNECO OIL COMPANY				

6

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 BORE MULTIPLE BORE

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: 2029.6 FNL, 2211.4 FWL
 At proposed prod. zone: same as above **SE NW**

5. LEASE IDENTIFICATION AND SERIAL NO.
 U-24619

6. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
 Middle Canyon

8. NAME OF LEASE NAME
 Middle Canyon Unit USA

9. WELL NO.
 23-6

10. FIELD AND NAME OF WELDCAT
~~Dryden Canyon, Morrison~~
Wildcat

11. SEC., T., R. M., OR BLK. 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

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.
 2211'

19. PROPOSED DEPTH
 ±6614' **Entrack**

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, ET, GR, etc.)
 6568' GR

22. APPROX. DATE WORK WILL START*

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#	±2425'	Circulate to surface
6 1/4"	4 1/2" new	10.5#	±6614'	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 survey attached.

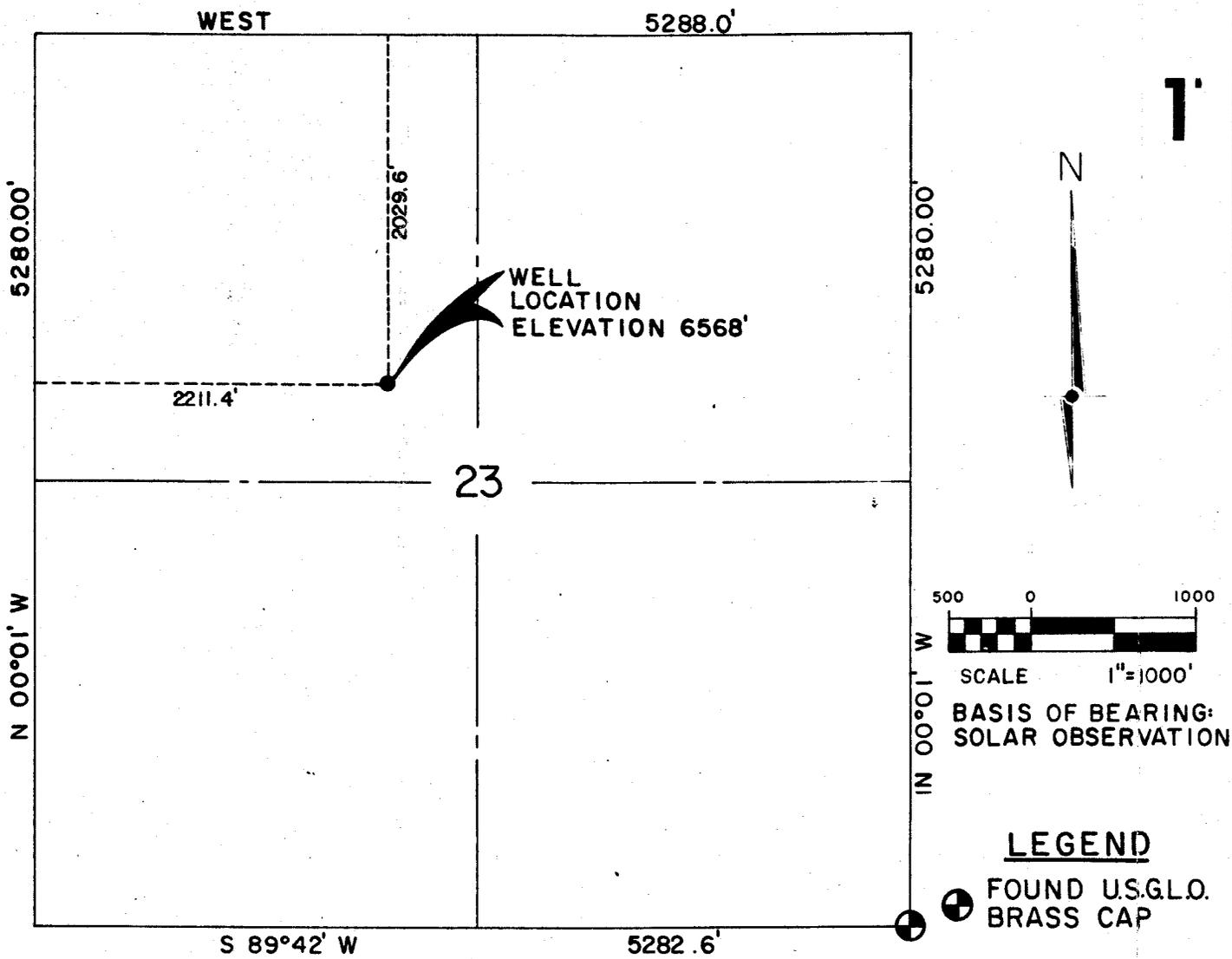
APPROVED BY THE DIVISION
 OF OIL, GAS, AND MINING
 DATE: 2-11-81
 BY: R.A. Mishler

RECEIVED
 FEB 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.

34. 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 _____ TITLE _____ DATE _____
 CONDITIONS OF APPROVAL, IF ANY:

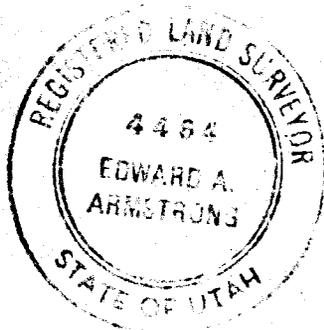


WELL LOCATION
 2211.4 FT. E.W.L. - 2029.6 FT. S.N.L.
 SECTION 23, T.16 S., R.24 E., SLB & M
 GRAND COUNTY, UTAH

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	TENNECO OIL TENNECO HURT USA 23-6
	CHECKED BY EAA DATE OF SURVEY 10/2/80	SHEET 1 of 5
	JOB NUMBER 803038	

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.: 23-6

LOCATION: 2029.6' FNL, 2211.4' FWL
Section 23, T16S, R24E
Grand County, Utah

FIELD: Bryson Canyon

ELEVATION: 6568' G.L.

TOTAL DEPTH: 6614'

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	214'	
Mancos	1914'	
Castlegate	2224'	Water
Mancos B	2934'	Gas
Dakota Silt	5800'	Gas
Morrison	6042'	Gas
Salt Wash	6344'	Gas
Entrada	6764'	Gas
TD	6614'	

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.

MUD PROGRAM

- 0-125' Spud mud. Viscosity as needed to clean hole.
125-2425' Air or Air/Mist.
2425-6614' 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°.
125-2425' Every 500' or on trips. Maximum deviation 1° per 100' or 3° at TD.
2425-6614' Every 500' or on trips. Maximum deviation 1° per 100' or 7° 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.

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 2425' 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: 2425' 7", 23#, K-55, ST&C.
PRODUCTION: 6614' 4 1/2", 10.5#, K-55, ST&C.

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 | | |

TENNECO OIL COMPANY - 10 POINT PLAN

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

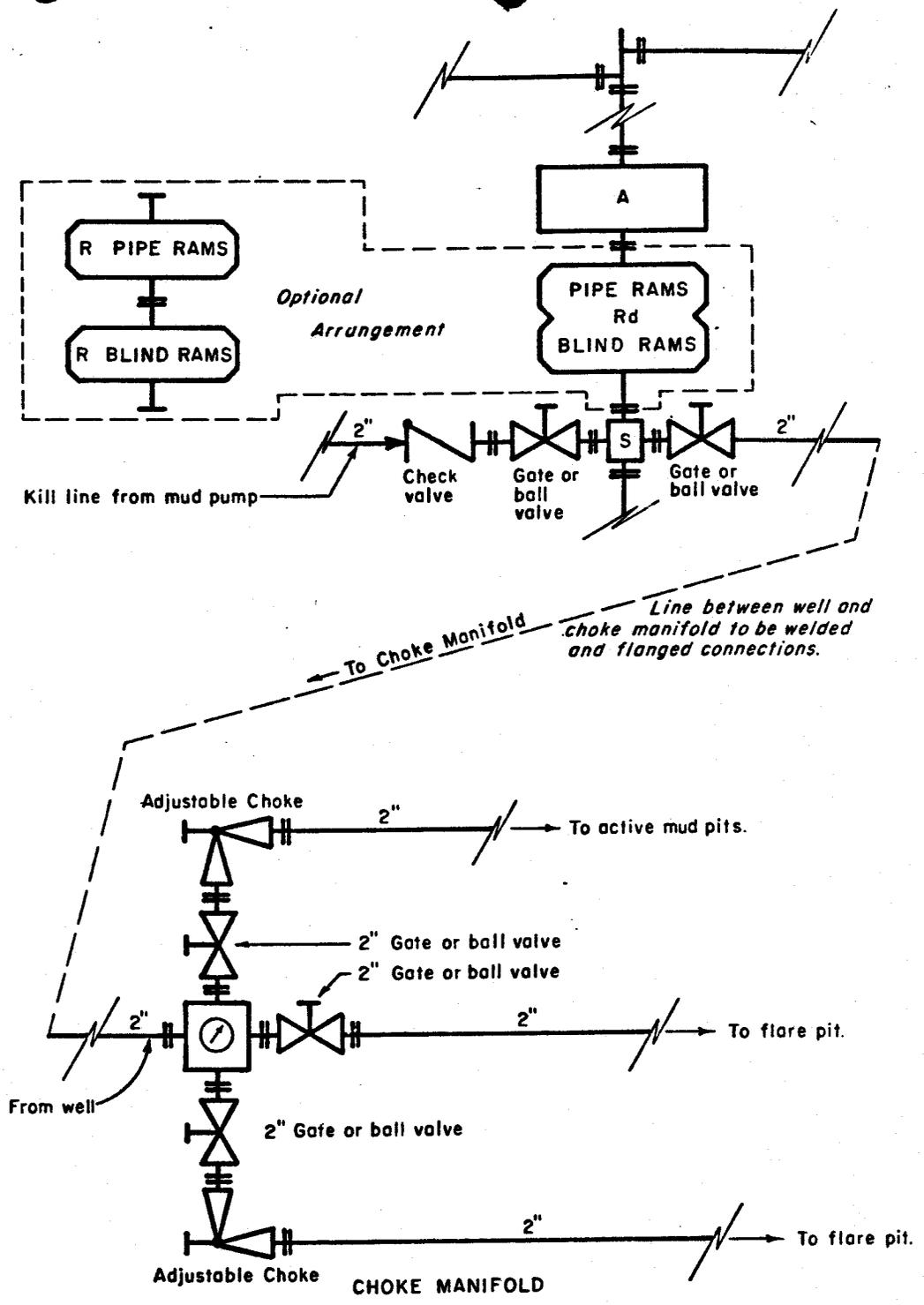
(See Attached Drilling Procedure)
4. Proposed Casing Program:

(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.



- 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
CHOKES 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:

None

1. Tank batteries -
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:** Area lies in canyon bottomland. Principal vegetation consists of pinon & juniper, sage, cactus, mountain mahogany and native grasses. Canyon walls rise sharply on each side 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 Creek lies approximately 3/4 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.

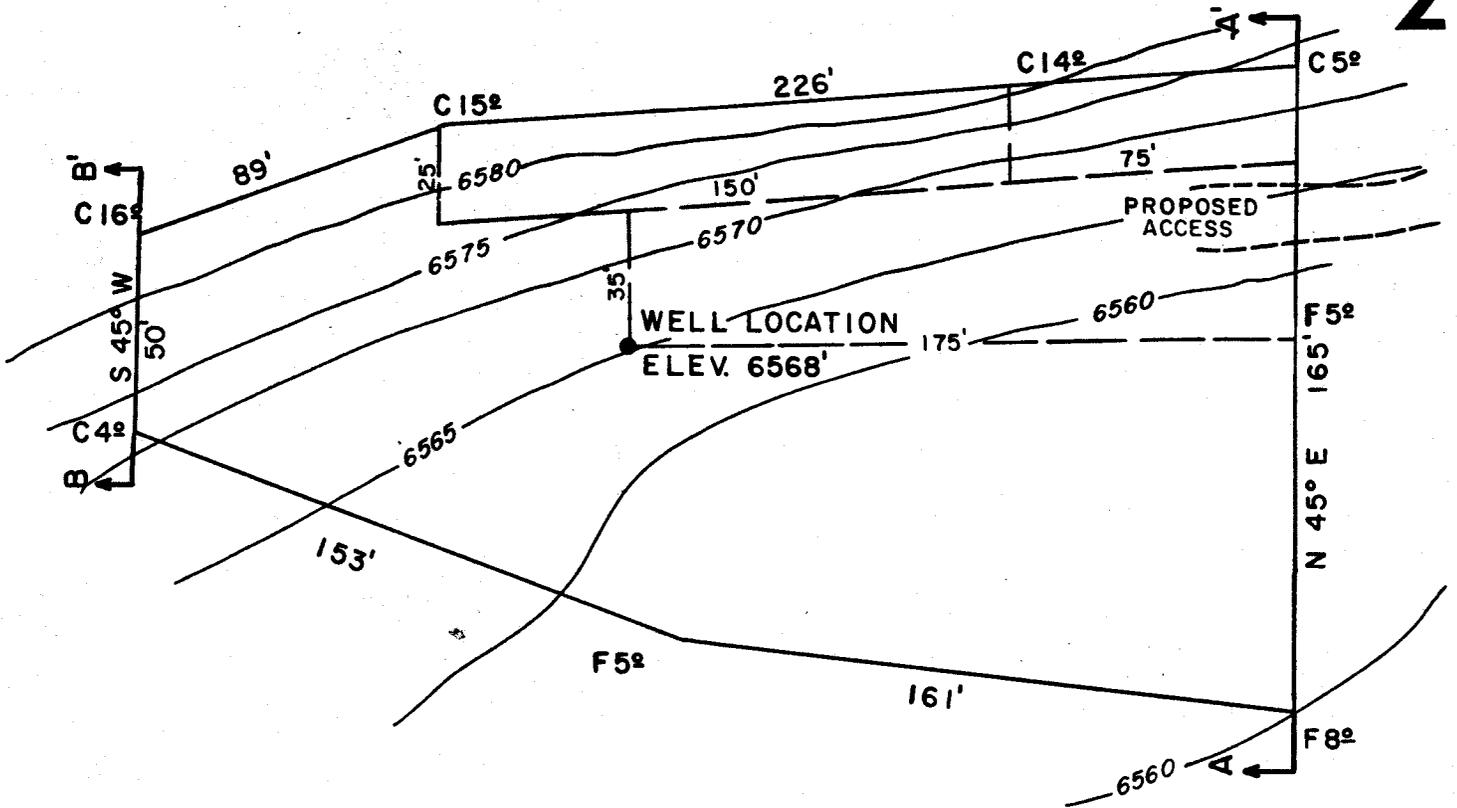
DATE: February 3, 1981



R.A. Mishler
Sr. Production Analyst

PAD TOPOGRAPHY

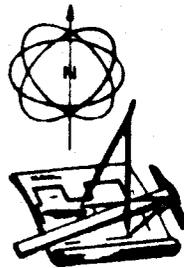
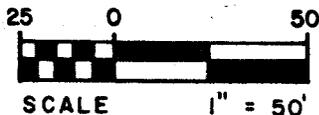
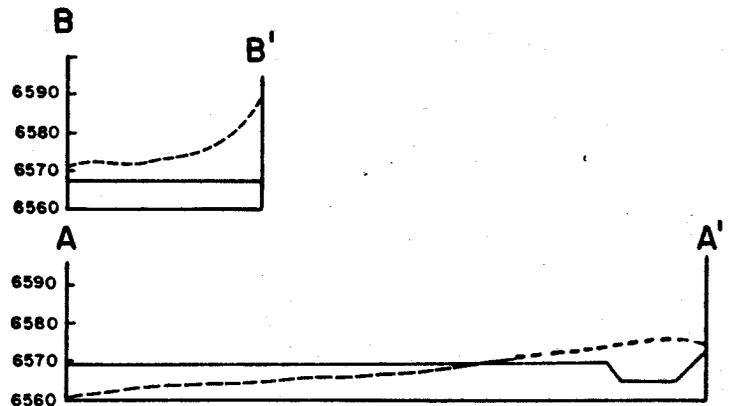
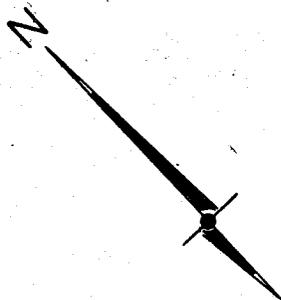
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CUT/FILL

Ref. Pt. 200' N. 6579'
 Ref. Pt. 200' W. 6569'

CUT = 3000 cu. yds.
 FILL = 3000 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 SURVEY 10/2/80

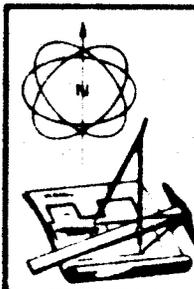
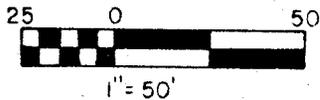
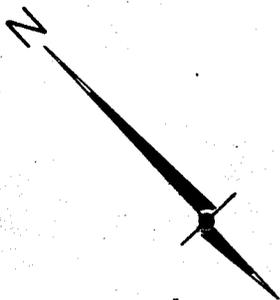
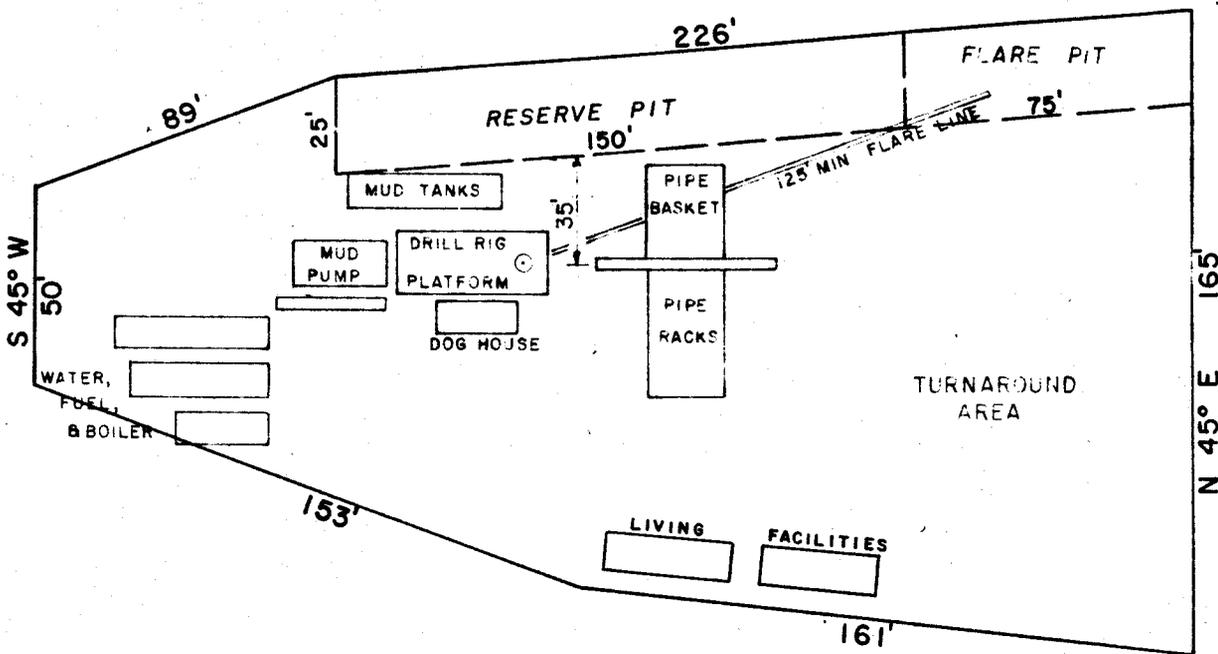
TENNECO OIL
TENNECO HURT USA 23-6

SHEET 2 of 5

JOB NUMBER
803038

RIG LAYOUT

3



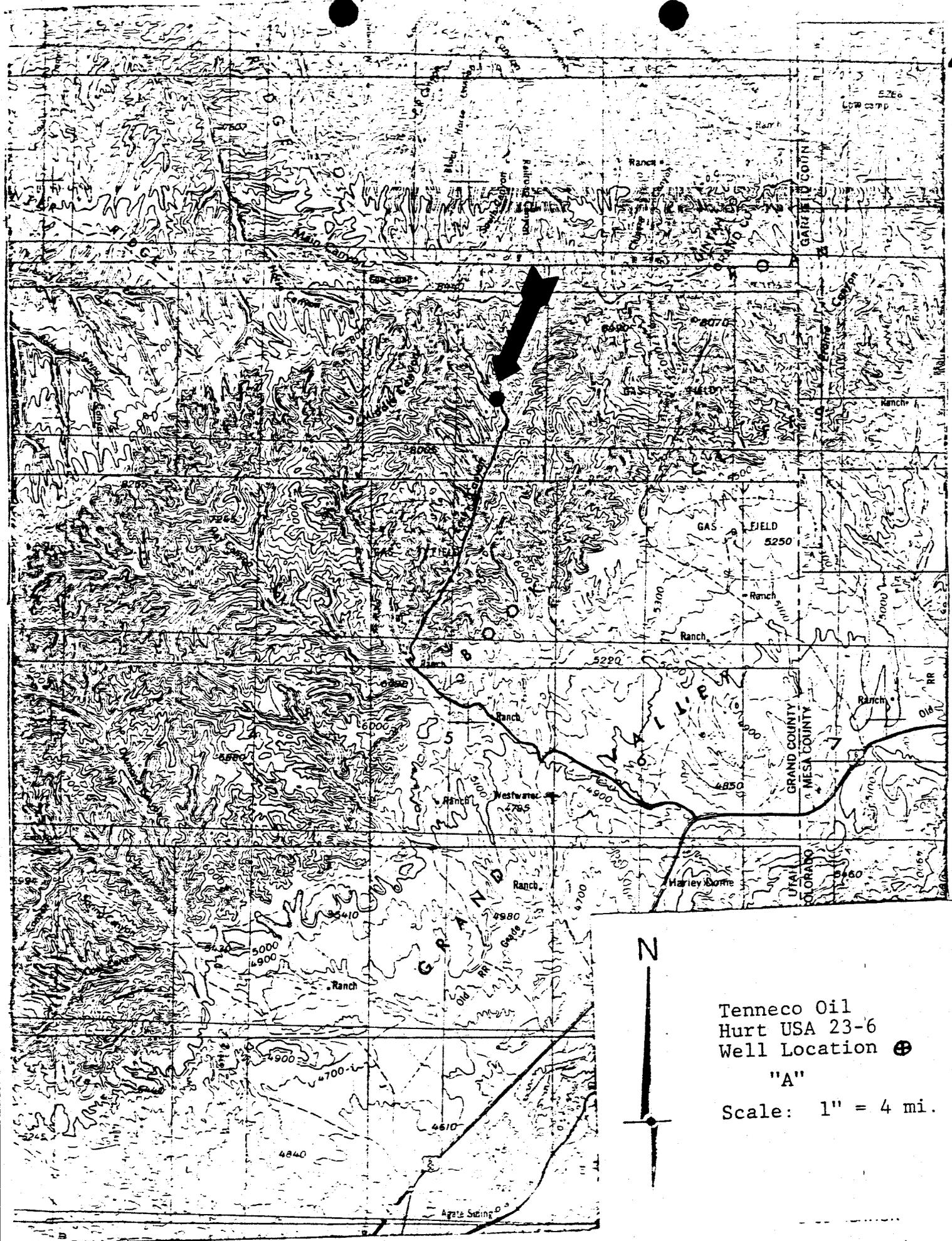
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 ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
 861 ROOD AVENUE • GRAND JUNCTION, COLORADO 81501 • (303) 245-3861

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

TENNECO OIL
 TENNECO HURT USA 23-6

SHEET 3 of 5

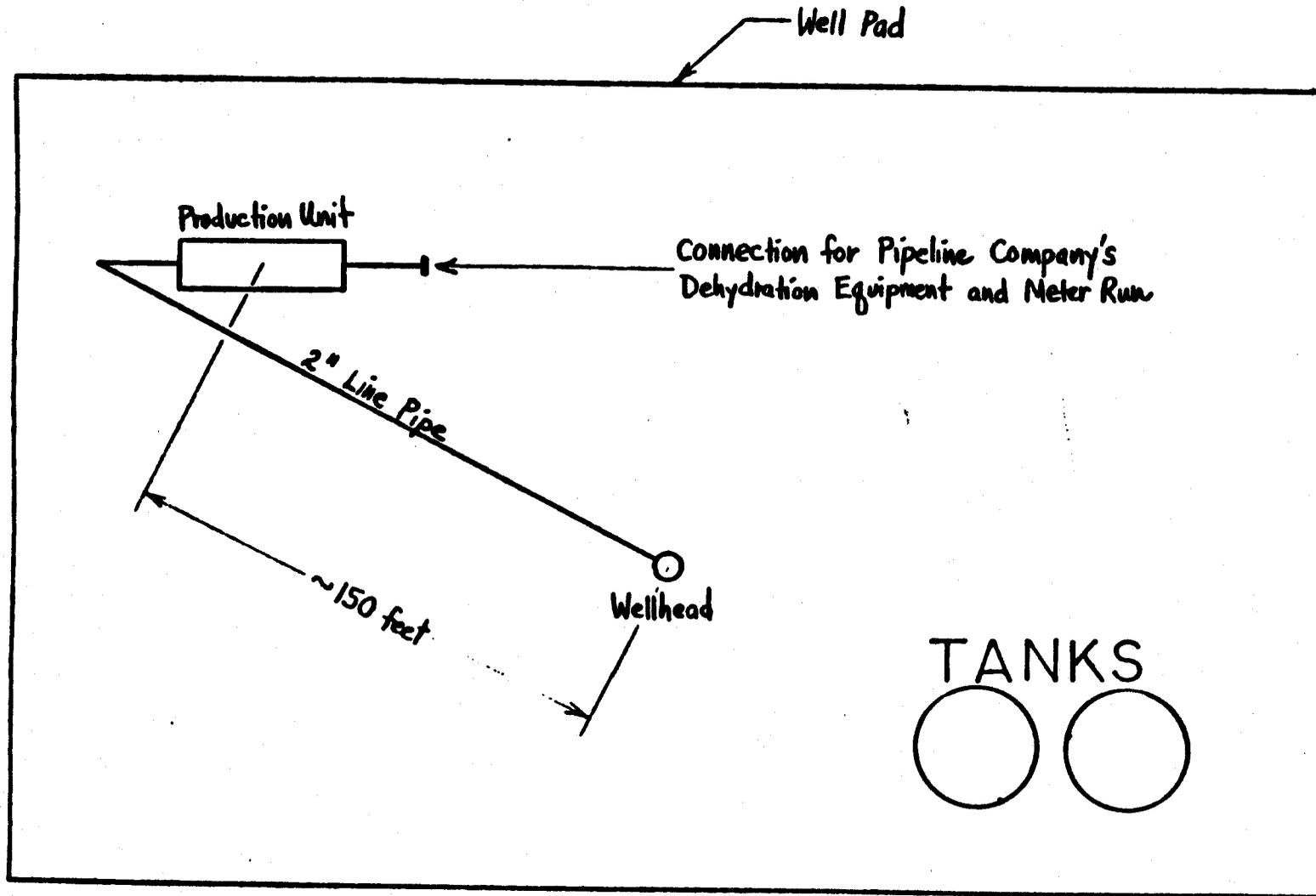
JOB NUMBER
 803038



Tenneco Oil
 Hurt USA 23-6
 Well Location ⊕
 "A"
 Scale: 1" = 4 mi.

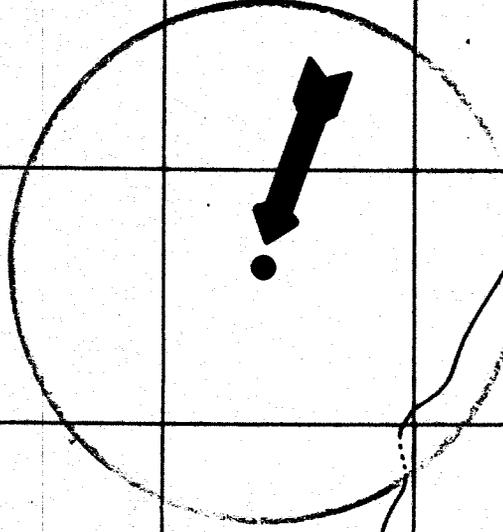
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PROBABLE EQUIPMENT INSTALLATION



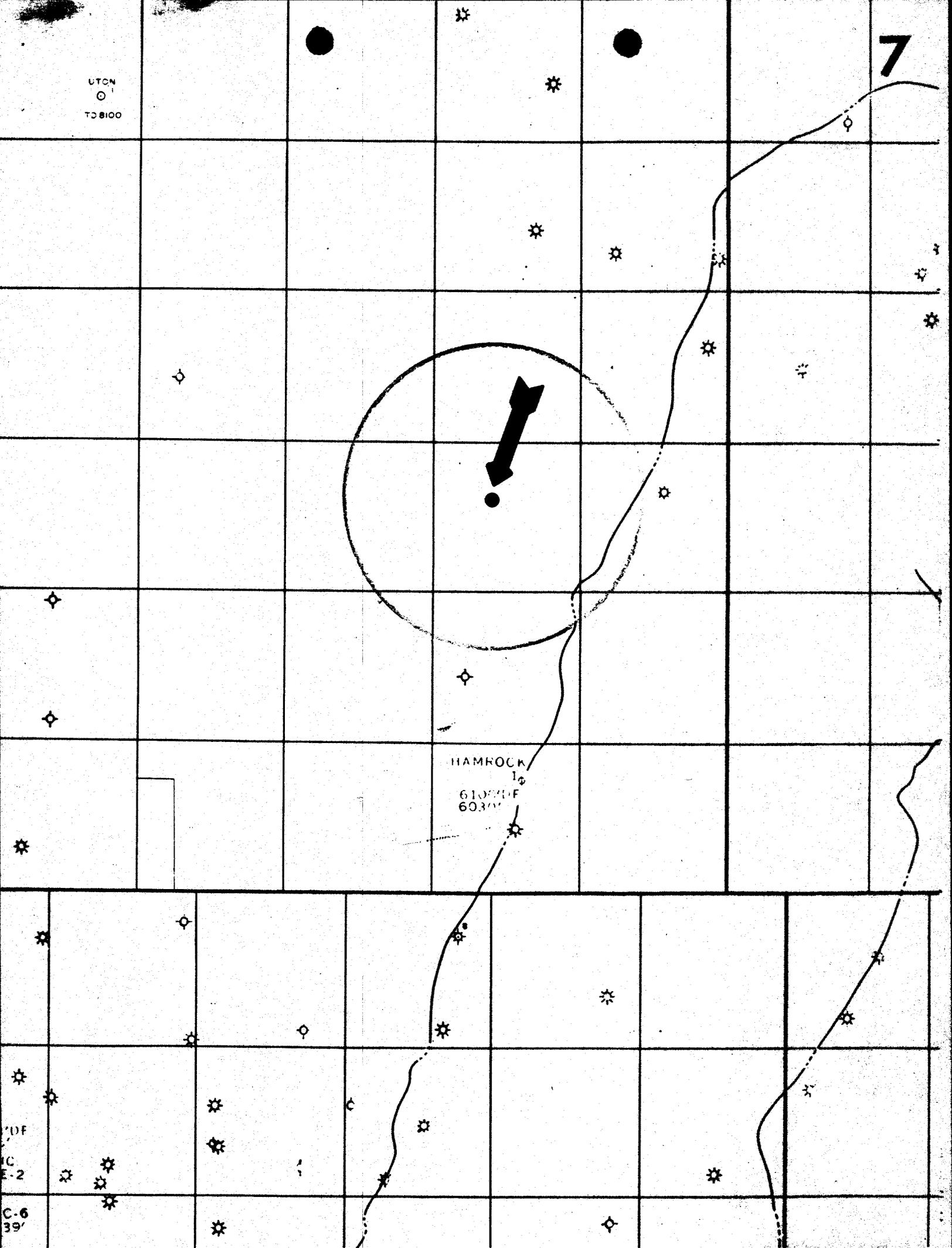
NOT TO SCALE

UTCN
O
T08100



HAMROCK Is
610°41' E
603'00"

DF
C
E-2
C-6
39'





United States Department of the Interior

IN REPLY REFER TO

3100
(U-603)

BUREAU OF LAND MANAGEMENT

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

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 23-6
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

U.S.
Department of the Interior
Bureau of Land Management
Utah State Office

Summary Report of
Inspection for Cultural Resources

BLM Report ID No. 1 4 10

Report Acceptable Yes No

Mitigation Acceptable Yes No

Comments: _____

1. Report Title 1 2 P R O P O S E D D R I L L S I T E S _____

2. Development Company Tenneco Oil

3. Report Date 1 1 1 3 1 9 8 0 4. Antiquities Permit No. 80-UT-034

5. Responsible Institution N I C K E N S I & A S S O C County Grand

6. Fieldwork Location: TWN 62 65 Range 66 69 Section(s) 70 71 72 73 74 75 76 77

see attached list TWN 78 81 Range 82 85 Section(s) 86 87 88 89 90 91 92 93

7. Resource Area G R TWN 94 97 Range 98 101 Section(s) 102 103 104 105 106 107 108 109

PO= PONY EXPRESS, BR= BEAR RIVER, PR= PRICE RIVER, WS= WARM SPRINGS
BC= BOOK CLIFFS, HR= HOUSE RANGE, SE= SEVIER RIVER
HM= HENRY MOUNTAINS, BE= BEAVER RIVER, DX= DIXIE
KA= KANAB, ES= ESCALANTE, SJ= SAN JUAN, GR= GRAND
SR= SAN RAFAEL, DM= DIAMOND MOUNTAIN,

Fill in spaces 65, 69, 81, 85, 97, 101 Only if:
V= Vernal Meridian
H= Half Township

8. Description of Examination Procedures:
Each staked and flagged drill pad and access (if applicable) were inspected by an archaeologist walking parallel transects over the proposed impact zones.

9. Linear Miles Surveyed 3 8 and/or 112 117
Definable Acres Surveyed 6 0 and/or 118 123
* Legally Undefinable Acres Surveyed _____
(* A parcel hard to cadastrally locate i.e., center of section)

10. Inventory Type 1 130
R= Reconnaissance
I= Intensive
S= Statistical Sample

11. Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 0 131 135
No sites = 0

No significant historic or prehistoric cultural resource sites were observed at the following locations: Tenneco 15-1; 15-9; 26-1; 23-6; 27-1; 13-15; 26-16; 23-16; 30-5; 29-3; 1-4; and 6-1. An historic campsite was noted in the access route to 13-15; however, trash indicates that it is less than 50 years of age.

13. Collection: Y= Yes, N= No 136

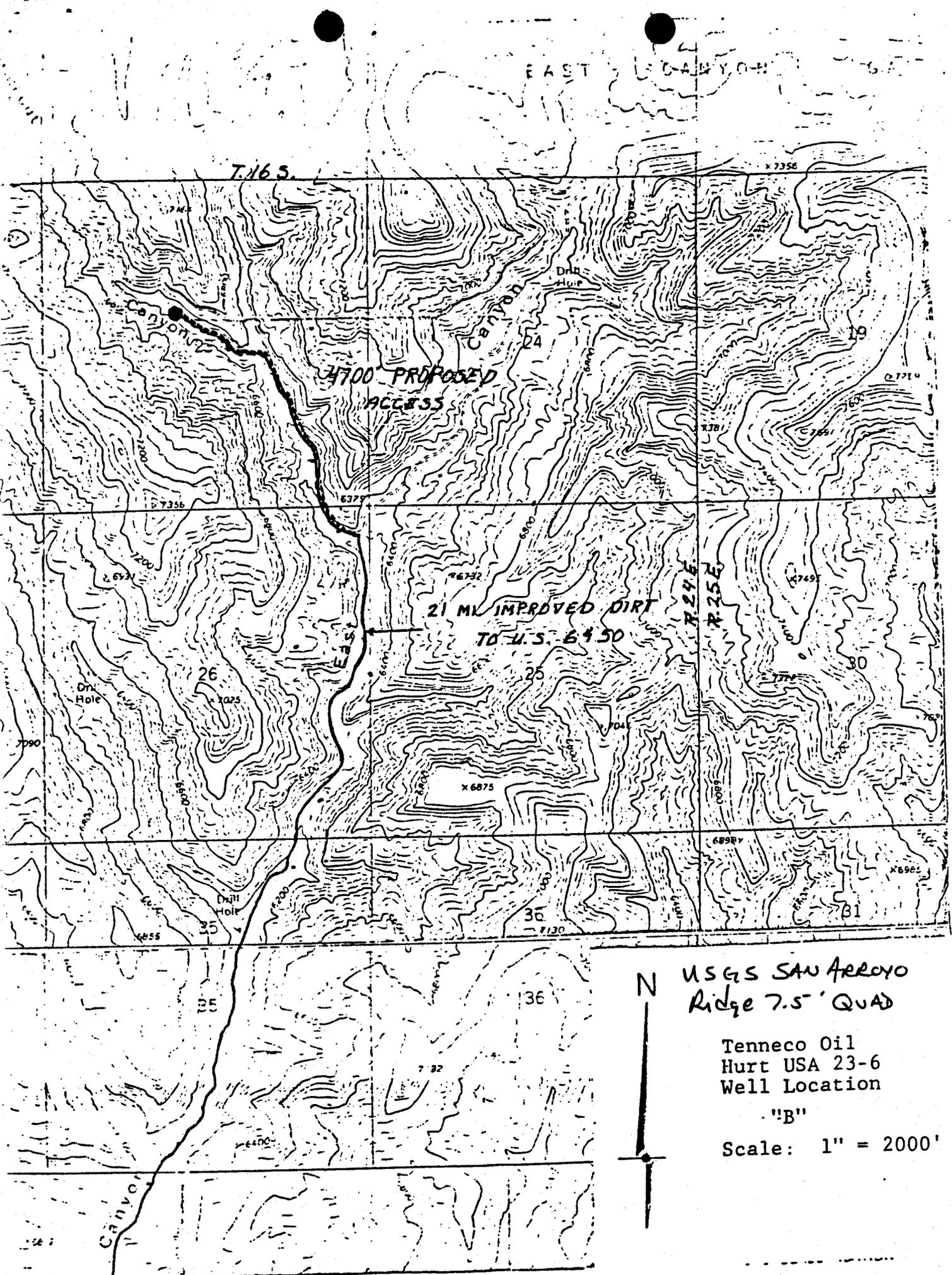
14. Actual/Potential National Register Properties Affected:
None

15. Conclusion/Recommendations:
No further cultural resource consideration is necessary for the 12 proposed drill pads and access roads covered by this report.

16. Signature and Title of Institutional Officer Responsible Paul R. Dickens
Principal Investigator

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



USGS SAN ARROYO
Ridge 7.5' QUAD

Tenneco Oil
Hurt USA 23-6
Well Location
"B"

Scale: 1" = 2000'

Light duty  Unimproved dirt 

** FILE NOTATIONS **

DATE: Feb 10, 1981
OPERATOR: Tenneco Oil Company
WELL NO: Middle Canyon Unit # 23-6
Location: Sec. 23 T. 16S R. 24E County: Grand

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

API Number 43-019-30774

CHECKED BY:

Petroleum Engineer: W.J. Minder 2-11-81

Director: _____

Administrative Aide: Unit approval - OK on bndry. for gas well
& formations

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 Fed. Plotted on Map

Approval Letter Written

Hot Line P.I.

February 13, 1981

Tenneco Oil Company
P. O. Box 8249
Englewood, Colorado 80155

Re: Well No. Middle canyon Unit #23-6
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.

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 43-019-30774.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Michael T. Minder
Petroleum Engineer

/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

October 14, 1981

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
Chairman

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

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. Hougen 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

96

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OCT 26 1981
TENNOCO
COURTESY OF MINERCO

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 Unitt #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.

Hougen 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

February 8, 1982

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

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

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

Well No. Middle Canyon Unit #23-6
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

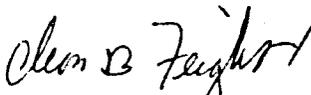
Gentlemen:

Approval to drill the above mentioned wells, which was granted in our letters of October 17, 1980, February 17, 1981, February 13, 1981 & February 13, 1981, are hereby terminated for failure to spud it within a reasonable period of time.

If and when you should decide to drill these wells, it will be necessary for you to again obtain approval of this Division.

Very truly yours,

DIVISION OF OIL, GAS AND MINING


Cleon B. Feight
Director