

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 10-1-80

LAND FEE & PATENTED STATE LEASE NO PUBLIC LEASE NO U-14343 INDIAN

DRILLING APPROVED ~~8-15-80~~ 10-17-80

SPUDDED IN:

COMPLETED PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY API:

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION:

DATE ABANDONED LA - Feb 8, 1982

FIELD: WILDCAT ~~ENERADA TEST~~ 3/86

UNIT:

COUNTY: GRAND

WELL NO: TENNECO USA #12-10 API NO. 43-019-30730

LOCATION 1726.1' FT. FROM (S) LINE. 2124' FT. FROM (E) LINE. NW SE 1 4 - 1.4 SEC. 12

TWP	RGE	SEC	OPERATOR	TWP	RGE	SEC	OPERATOR
19S	22E	12	TENNECO OIL COMPANY				

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

10

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  
 720 So. Colorado Blvd., Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements\*)  
 At surface 1726.1 FSL, 2123.7 FEL (2124' FEL) NWSE  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 See Exhibit IV

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

16. NO. OF ACRES IN LEASE 1980  
 3.88

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 360 unit well

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

19. PROPOSED DEPTH  
 4650

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5272 GR

22. APPROX. DATE WORK WILL START\*  
 October 1980

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# K55	±300	Circulate to surface
6 1/4"	4 1/2" new	10.5# K55	±4650	Cover all productive zones.

Set 1-3 joints 9 5/8" as conductor.

Preliminary environmental review and response attached.

Archaeological survey report attached.

See Attached.

APPROVED BY THE DIVISION  
 OF OIL, GAS, AND MINING  
 DATE: 8/15/80  
 BY: Cleon B. Light

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 M. L. Freeman TITLE Staff Production Analyst DATE September 25, 1980

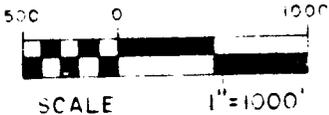
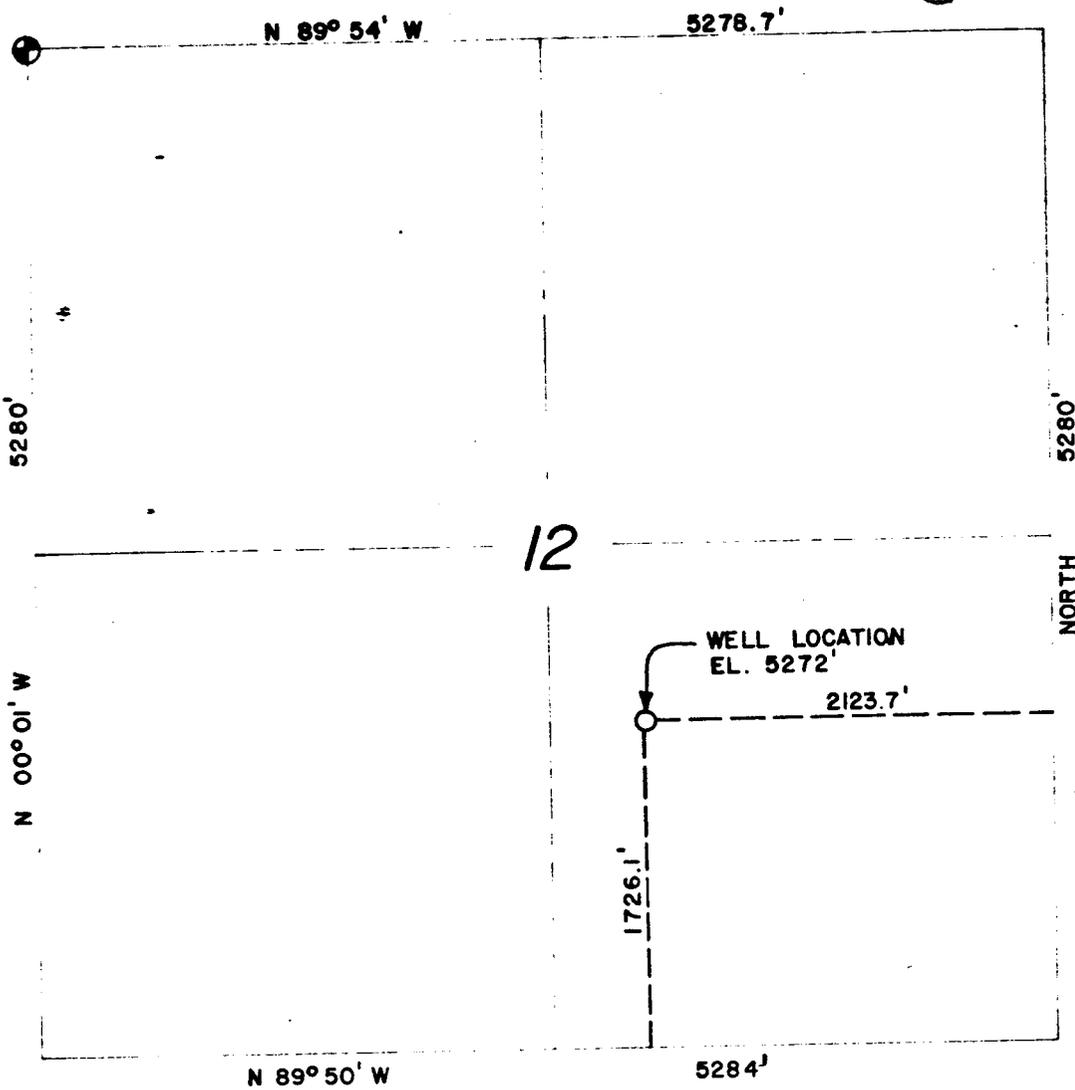
(This space for Federal or State office use)

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

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

CONDITIONS OF APPROVAL, IF ANY:

I



● FOUND U.S.G.L.O.  
BRASS CAP 1909

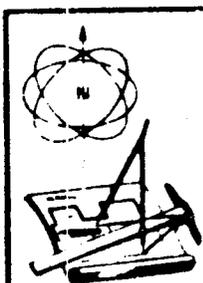
BASIS OF BEARING  
SOLAR OBSERVATION

WELL LOCATION  
1726.1 FT. N.S.L. - 2123.7 FT. W.E.L.  
SECTION 12, T19 S., R. 22 E., S.L.B. & M.  
GRAND COUNTY, UTAH

**SURVEYOR'S CERTIFICATE**

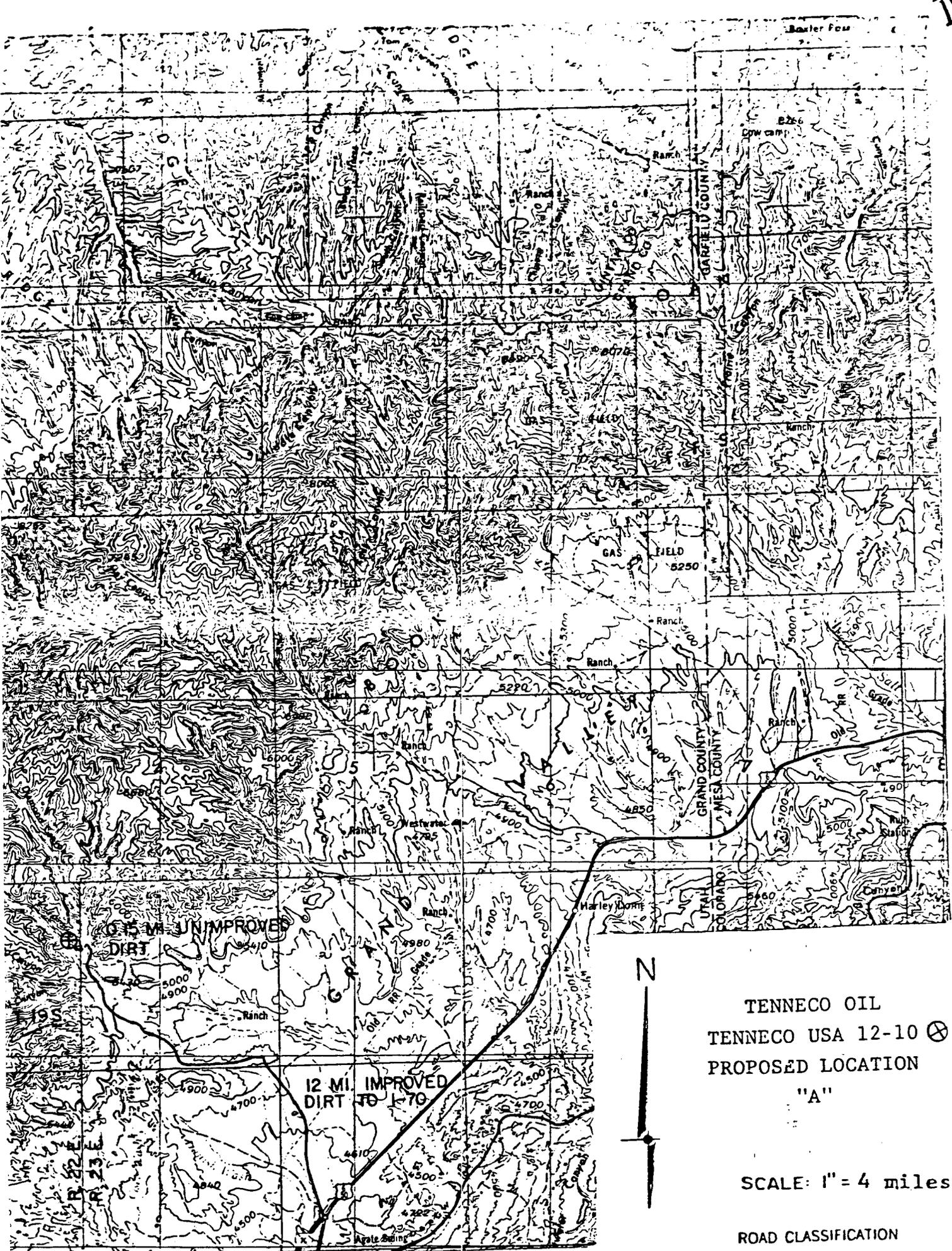
I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

*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

DATE 8 / 7 / 80	TENNECO OIL TENNECO USA 12-10
DRAWN BY SZH	
CHECKED BY EAA	
DATE OF SURVEY 7 / 31 / 80	SHEET 1 of 5
	JOB NUMBER 802948



Boxer Four

IV

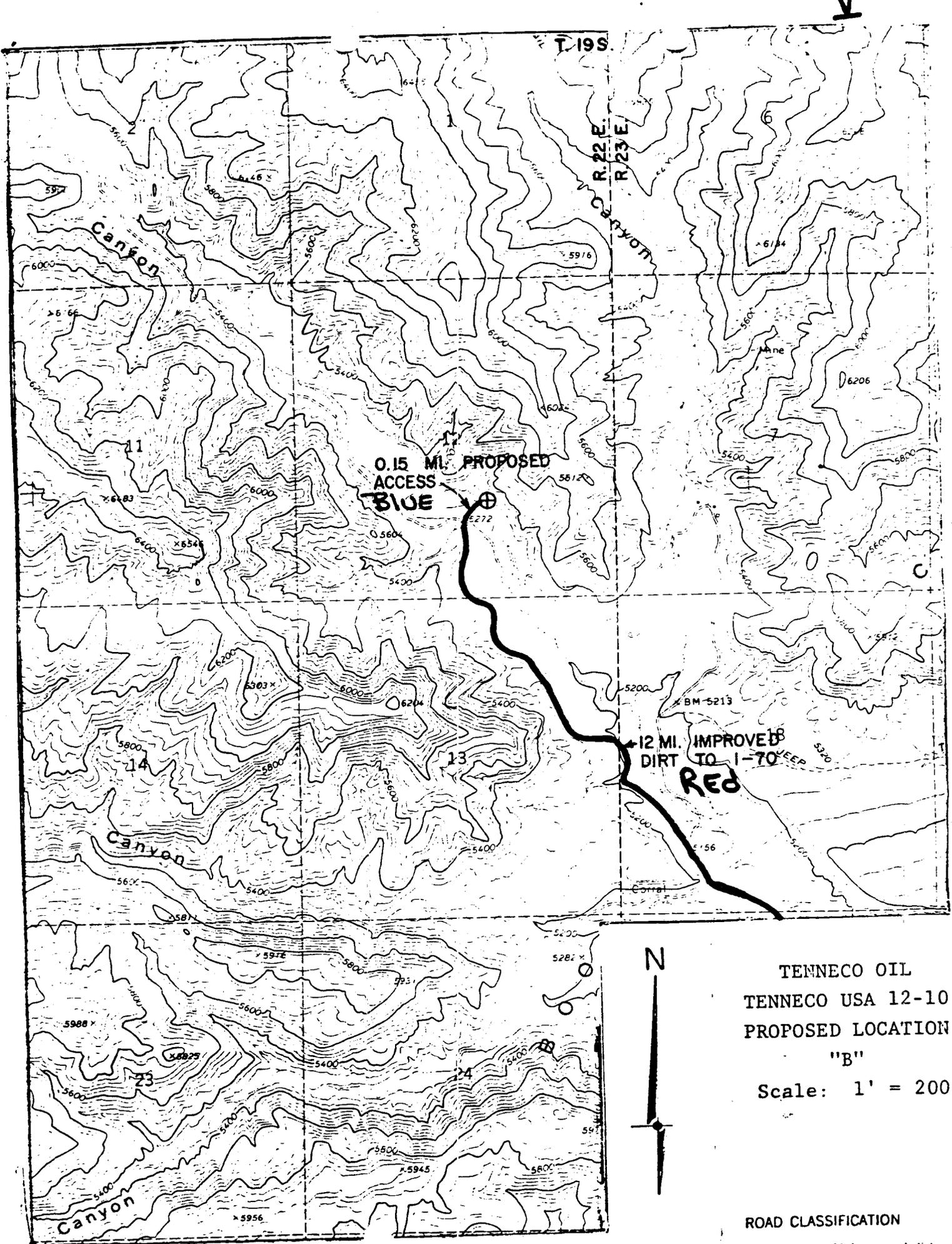
TENNECO OIL  
 TENNECO USA 12-10 ⊗  
 PROPOSED LOCATION  
 "A"



SCALE: 1" = 4 miles

ROAD CLASSIFICATION

Light-duty ————— Unimproved dirt - - - - -



T.19S

R.22E  
R.23E

0.15 MI. PROPOSED  
ACCESS  
**BLUE**

12 MI. IMPROVED  
DIRT TO 1-70 JEEP  
**RED**

TENNECO OIL  
TENNECO USA 12-10  
PROPOSED LOCATION ⊗  
"B"  
Scale: 1' = 2000'



ROAD CLASSIFICATION  
 Light-duty ——— Unimproved dirt - - - - -

VI

SELC  
533

SUNRAY

PEAR PARK

5860

BOOK  
CLIFFS

5600

5435

GULF  
5215

1 m. Radius

12-10

P.C.  
4650

4680

BELCO  
6801

6713

5230

4775

ROSTER  
3950

HOUGH  
2920

2955

3585

CRAMER  
2030

CISCO SPRING

2580

1596

5007

1355

GRA

CAREEN  
2528

3434

CISCO DOME

2303

3500

2108

2302

2227

2058

304

1940

2200

300

1960

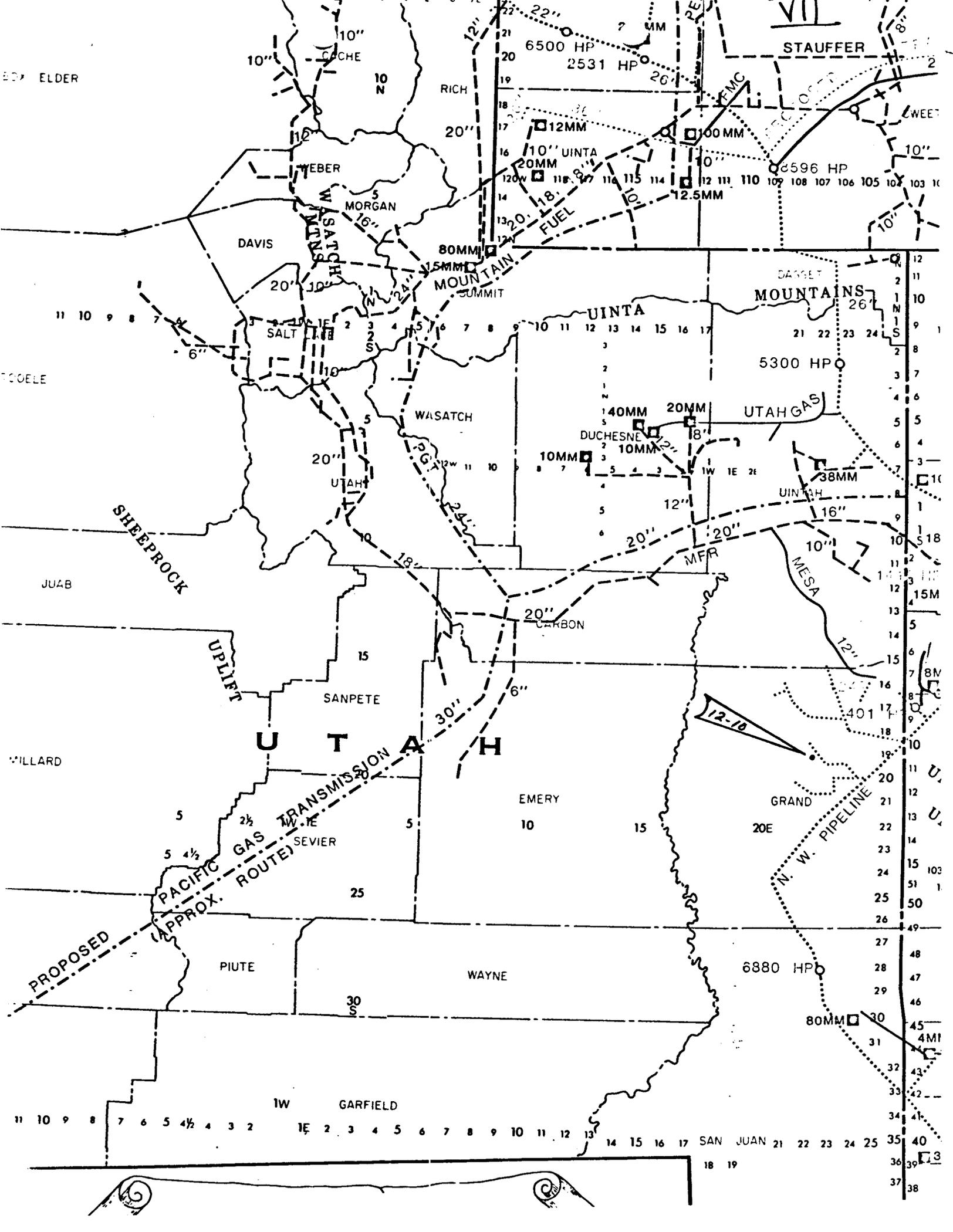
2547

2207

1594

2060

1800



VII

STAUFFER

10" CACHE

RICH

6500 HP

2531 HP

FMC

12MM

100MM

WEBER

MORGAN

DAVIS

80MM

15MM

MOUNTAIN SUMMIT

UINTA

DARBY MOUNTAINS

26

5300 HPO

UTAH GAS

40MM

20MM

10MM

10MM

38MM

20"

WASATCH

20"

UTAH

12W

11

10

SHEPHERD

JUAB

20" CARBON

UPLIFT

SANPETE

U T A H

EMERY

10

15

GRAND

20E

PROPOSED PACIFIC GAS TRANSMISSION (APPROX. ROUTE)

5

5 4 1/2

SEVIER

25

PIUTE

30S

WAYNE

6880 HP

80MM

4MI

1W GARFIELD

1E

18 19

36 35

37 38

11 10 9 8 7 6 5 4 1/2 4 3 2

1E 2 3 4 5 6 7 8 9 10 11 12 13

14 15 16 17 SAN JUAN 21 22 23 24 25 35 40

18 19

36 35

37 38

12 11 10 9 8 7 6 5 4 3 2 1 N S 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: Mancos
- 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 H<sub>2</sub>S are expected to be encountered.
10. The drilling of this well will start approximately (October 1980) 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: September 4, 1980

LEASE: Tenneco USA

WELL NO.: 12-10

LOCATION: 1726.1 FSL, 2123.7 FEL  
Section 12, T. 19S, R22E  
Grand County, Utah

FIELD: Long Canyon

ELEVATION: 5272

TOTAL DEPTH: 4650

PROJECTED HORIZON: Entrada

SUBMITTED BY: Bruce Ladd

DATE: September 4, 1980

APPROVED BY: *John W. Owen*

DATE: Sept. 24, 1980

CC: Administration  
DSB Well File  
Field File

ESTIMATED FORMATION TOPS

Mesa Verde		
Hancos	Surface	
Castlegate	332	
Frontier	3457	
Dakota Silt	3707	
Dakota	3832	(Gas)
Morrison	3957	(Water or Gas)
Salt Wash	4338	(Water or Gas)
Entrada	4567	(Water or Gas)
T.D.	4642	

DRILLING, CASING, AND CEMENT PROGRAM

1. MIRURT.
2. Set 1-3 jts. of 9 5/8" casing as needed to be used as conductor pipe.
3. Install casing head and nipple up rotating head and block line.
4. Drill 8 3/4" hole to 300' or through the Castlegast Formation.
5. Run 7", 23#, K-55, ST&C surface casing to T.D. Cement with sufficient volume to circulate cement to the surface.
6. WOC. Nipple up BOP's, rotating head, choke manifold, etc. Pressure test BOP's, manifold, etc. to 1000 psi for 15 minutes.
7. TIH and displace water in casing with air. Drill out shoe and dry up hole.
8. Drill 6 1/4" hole to T.D.
9. Log well as per G. E. Department recommendations.
10. 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.
11. 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:	300' ±, 7", 23#, K-55, ST&C
PRODUCTION:	4650' , 4 1/2", 10.5#, K-55, ST&C

MJD PROGRAM

1. Anticipate drilling entire hole with air.
2. In the event liquids are encountered, mist drilling will be attempted.
3. Should mist drilling be unsuccessful, the hole will have to be mudded up.
4. Also, if gas is encountered in sufficient volume to compromise the safety of the operations, mudding up will be required.
5. If mudding up is necessary, the following guidelines should be followed.  
(1) Weight  $\pm$  9.0 ppg. (2) Vis. as needed to clean hole. (3) W.L. 10cc or less.

EVALUATION

Cores and DST's: No cores or DST's are anticipated.

Deviation Surveys:

- 0- 300' 2 1/2° ) Surveys to be run every 500' or on trips, whichever comes first. Record surveys on IADC Drilling Report Sheet.  
300-4650 5° ) Maximum allowable deviations: (1) 1° change per 100' intervals  
(2) 2 1/2° at surface casing setting depth.  
(3) 5° at T.D.

In the event that the maximum allowable deviations are exceeded, the Denver Office of Tenneco Oil Company will be notified immediately.

Samples: NONE.

Logs:

SNP/GR	}	Air drilled.	FDC/CHL	}	Mud Drilled.
FDC/GR			DIL/LL3 w/SP		
DIL					

BLOWOUT EQUIPMENT

1. Double ram hydraulic with pipe and blind rams operated by an accumulator.
2. Rotating head on 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 costs, plus any other pertinent information, will be called into Tenneco Oil Company, Denver, Colorado, between 7:30 a.m. and 8:00 a.m.

1. 303-758-7130 (Office) Don Barnes  
303-758-7287 (Office) Don Barnes' private line, Monday-Friday (before 7:45 a.m.)  
303-936-0704 (Home) Don Barnes, weekends and holidays.
2. John Owen (Home) 303-795-0221

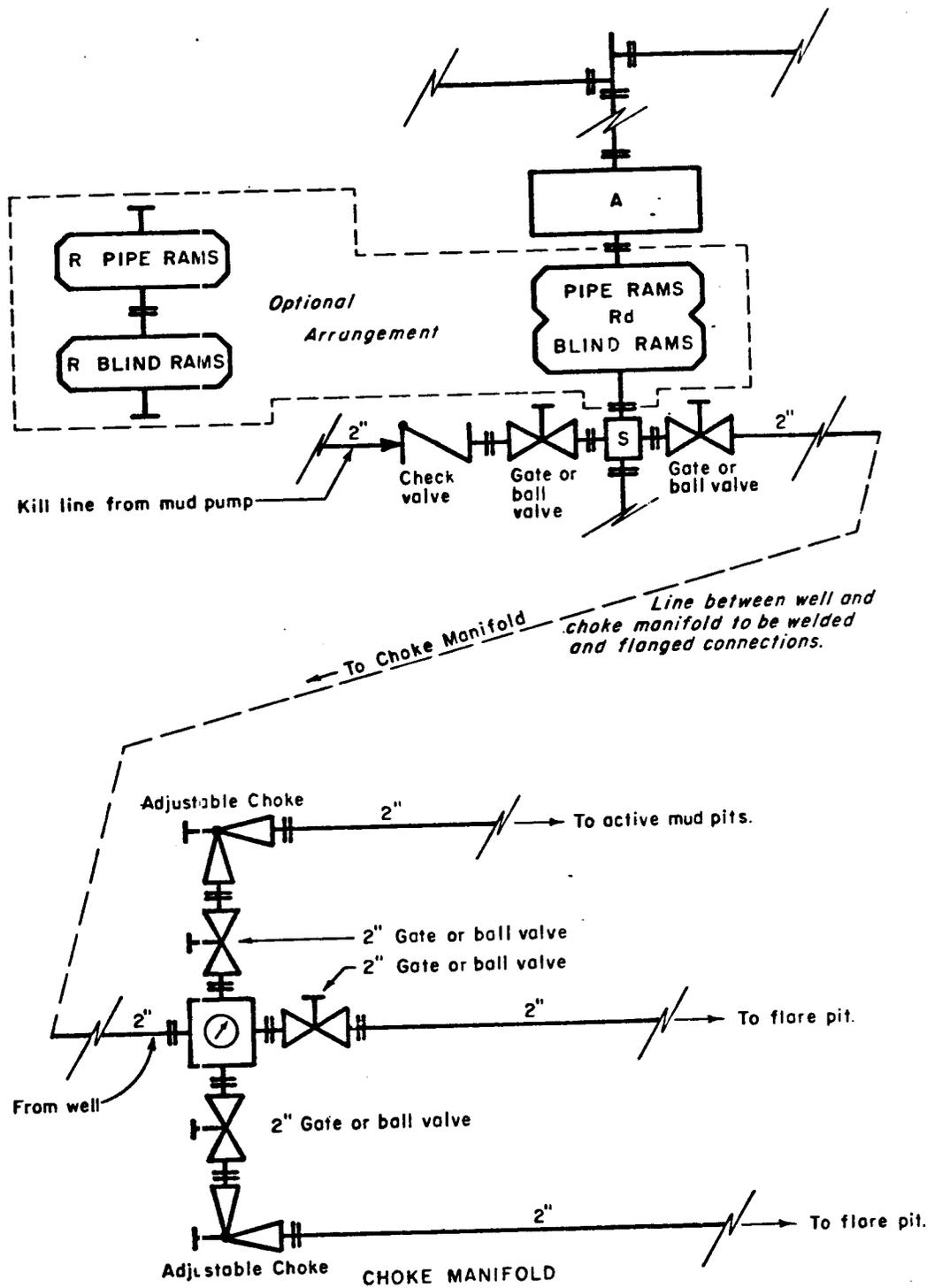
The yellow sheet of the IADC Report is to be filled out completely. The original copy of the drilling time recorder, and copies of any invoices from this well, signed and received for Tenneco Oil Company, will be mailed daily to:

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

ATTENTION: Drilling Department

IN CASE OF EMERGENCY, NOTIFY THE FOLLOWING:

1. Mr. Don Barnes, Division Drilling Engineer.
2. Mr. John W. Owen, Project Drilling Engineer.
3. Mr. Mike Lacey, Division Production Manager (Home 303-979-0509).



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:  
As surveyed by a registered land surveyor is located 1726.1 FSL,  
2123.7 FEL, Sec. 12, T19S, R22E, Grand County, Utah.  
See Attached.

(b) Planned Access Route: See Exhibits IV & V.

(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 show in Exhibits IV & V.

(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 IV & V)

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 dirt width will be twenty feet. The average  
traveled surface width will be twenty feet. Road construc-  
tion will be in accordance with typical roadways requested  
by the U. S. Bureau of Land Management.

(2) Maximum Grades:

The maximum grade will be less than 5%.

- (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 BLM.
- Max: cut - } insignificant  
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 VI shows existing wells within a one mile radius.

- A. Water Wells: N/A  
 B. Abandoned Wells: N/A  
 C. Temporarily Abandoned Wells: 3  
 D. Disposal Wells N/A  
 E. Drilling Wells N/A  
 F. Producing Wells: ~~See Exhibit~~ N/A  
 G. Shut-In Wells: N/A  
 H. Injection Wells: N/A  
 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 -        | None |
| (2) Production facilities - | None |
| (3) Oil Gathering Lines -   | None |
| (4) Gas Gathering Lines -   | None |
| (5) Injection Lines -       | None |
| (6) Disposal Lines -        | None |

B. New Facilities in the Event of Production:

1. New facilities: well head, condensate tank, production unit, meter house all located on disturbed ground.
2. Dimension of the facilities are shown in Exhibits II & III.
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 needed 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 not yet determined but will be from a legal private source.
- (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: NA

(d) Access road shown under item II

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. Previous 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. Waste will be contained in a pit and backfilled immediately following the drilling operations or removed by toilet supplier.

(e) Garbage:

A burn cage will be constructed and fenced with small mesh wire. The small amount of refuse will be removed to a landfill.

(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.

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VIII. ANCILLARY FACILITIES

None required.

IX. WELL SITE LAYOUT

1. See Exhibits
2. Location of pits: Exhibits II & III
3. Rig Orientation: Exhibits II & III
4. 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 clean up. Previous 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 inculment 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:

The proposed site is located in Cottonwood Canyon. The topography in the canyon bottom is level with an intermittent southeasterly drainage. The soil is alluvial in origin and sandy in composition supporting sage, rabbit brush, sparse juniper and native grasses.

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.

C. Proximity of Water, Dwelling, Historical Sites:

1. Water: No reservoirs or live streams in the area.

2. Occupied Dwellings: Not existing.

3. Historical Sites: An Archaeological Reconnaissance has been performed for this location and clearance has been granted.

XII. OPERATOR'S REPRESENTATIVE

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

Donald Barnes  
720 So. Colorado Blvd.  
Denver, Colorado 80222  
Office: (303) 758-7130  
Extension 212

M. L. Freeman  
720 So. Colorado Blvd.  
Denver, Colorado 80222  
Office: (303) 758-7130  
Extension 280

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.

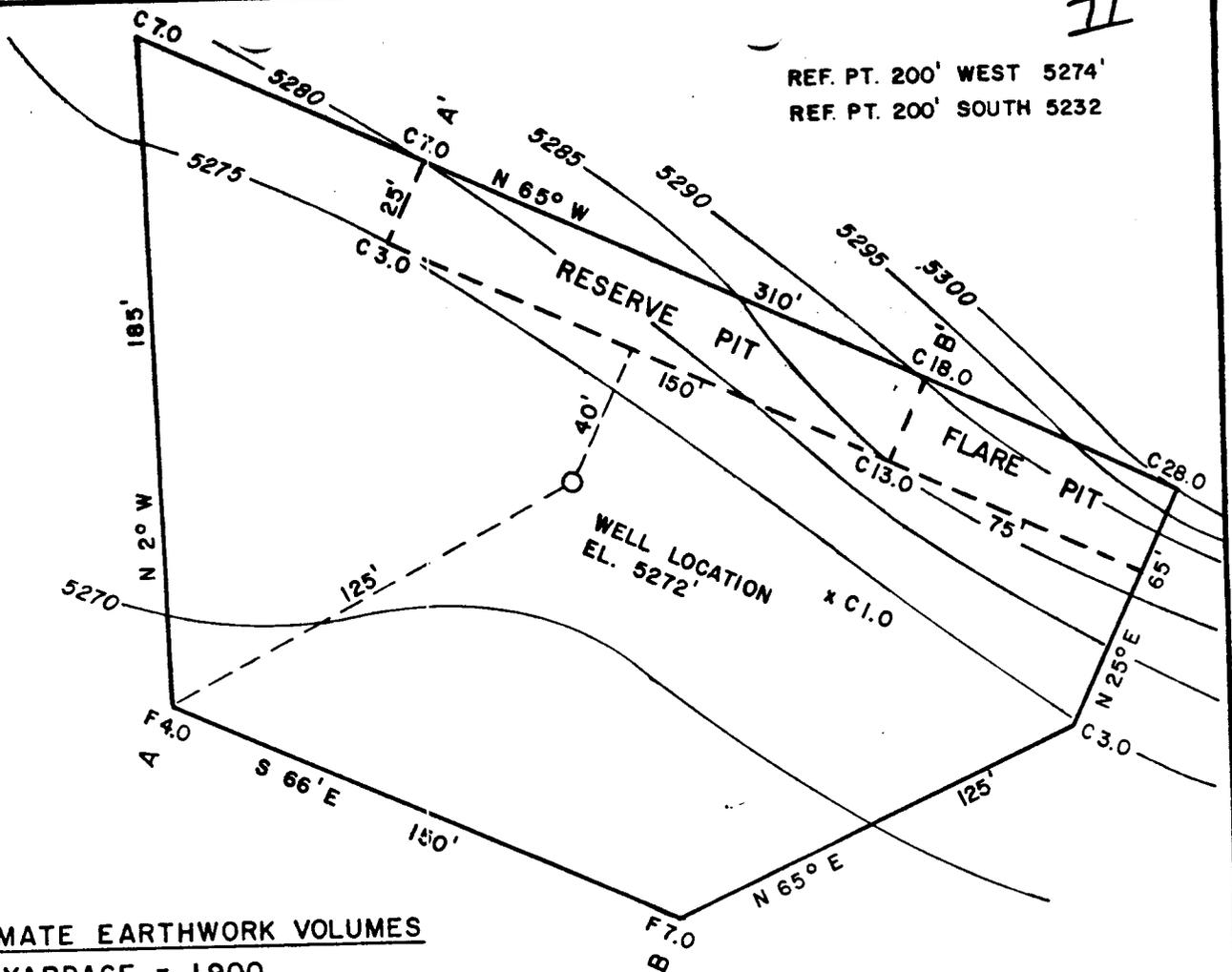
DATE: September 25, 1980



M. L. Freeman  
Staff Production Analyst

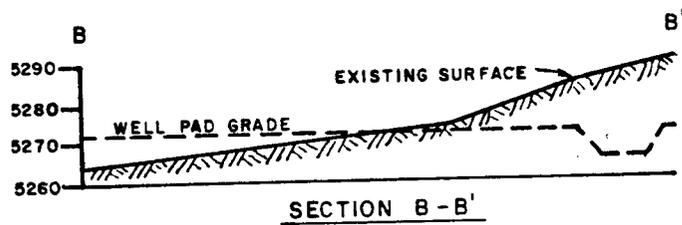
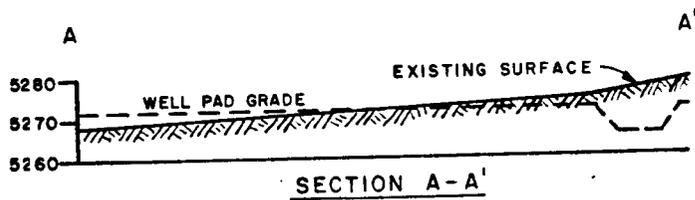
II

REF. PT. 200' WEST 5274'  
REF. PT. 200' SOUTH 5232



APPROXIMATE EARTHWORK VOLUMES

FILL YARDAGE = 1900  
CUT YARDAGE = 5100

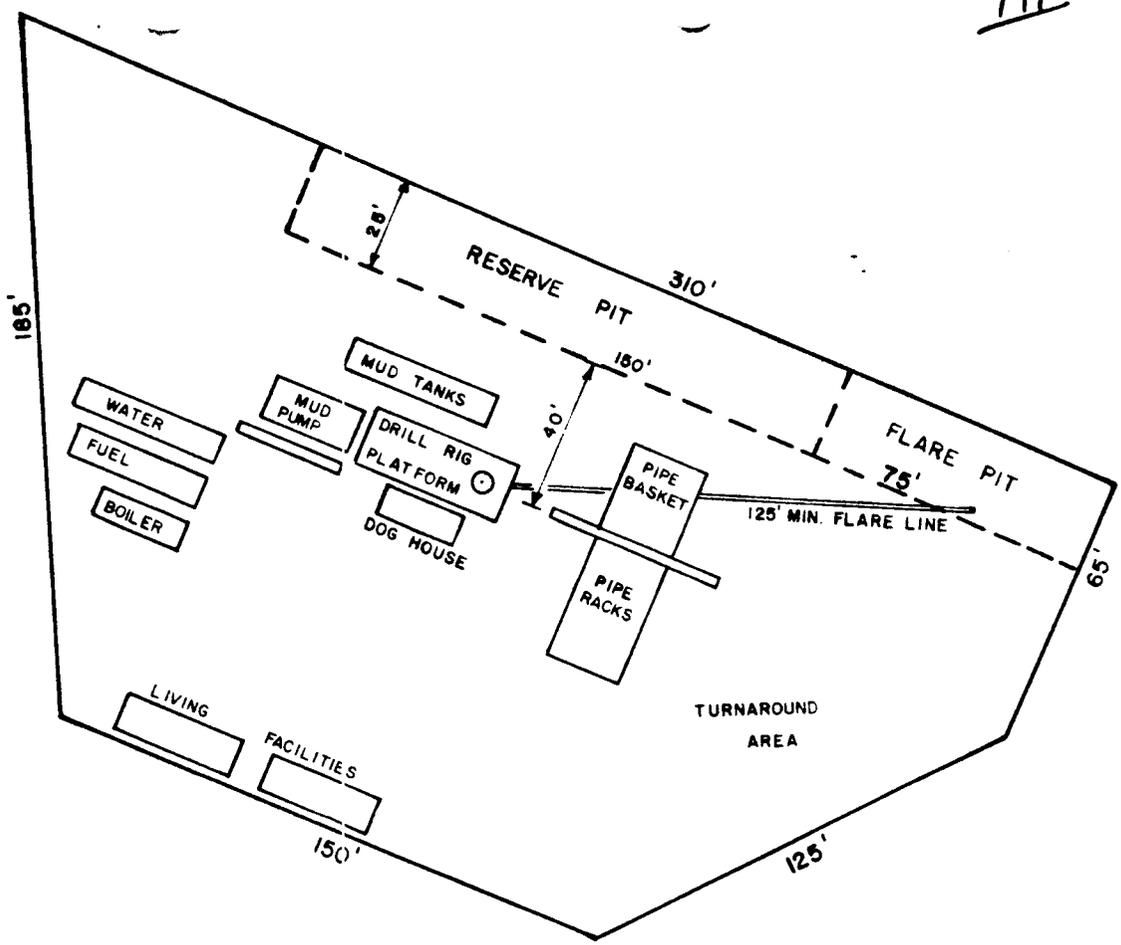


SCALE 1" = 50' HORIZ & VERT.

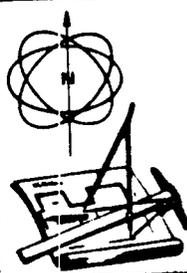
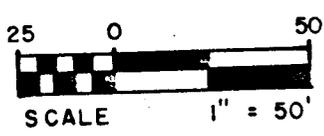


	<b>ARMSTRONG ENGINEERS and ASSOCIATES, INC.</b> ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 - (303) 245-3861	
	SCALE	1" = 50'
	DATE	8-8-80
	DRAWN BY	S.Z.H.
	CHECKED BY	J.R.S.
CITY OF BERRY	7-31-80	TENNECO OIL TENNECO USA 12-10
<b>SHEET 2 of 5</b>		JOB NUMBER 802948

111



### RIG LAYOUT



**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 8/11/80  
 DRAWN BY JMT  
 CHECKED BY JRS  
 DATE OF REVISION 7/31/80

TENNECO OIL  
 TENNECO USA 12-10

**SHEET 3 of 5**

JOB NUMBER  
**802948**

NICKENS and ASSOCIATES

P.O. Box 727

Montrose, Colorado 81401

Phone: (303) 249-3411

September 16, 1980

Mr. M. L. Freeman  
Tenneco Oil Exploration and Production  
Penthouse  
720 South Colorado Boulevard  
Denver, CO 80222

Dear Mr. Freeman:

We have completed cultural resource inspections of Tenneco USA Locations 15-15 and 12-10, situated in Grand County, Utah. No cultural resources, either historic or prehistoric, were noted along the proposed access routes nor on the staked boundaries of the well pads. Cultural resource clearance has therefore been recommended and copies of the report have been forwarded to the appropriate federal review offices.

Our invoice to cover this work is enclosed.

Sincerely,



Paul R. Nickens, Ph.D.  
Principal Investigator

PRN/j  
Enclosures

cc: BLM Grand Resource Area Office  
BLM Moab District Office  
BLM Utah State Office  
U.S. Geological Survey Office

RECEIVED  
SEP 18 1980  
TENNECO OIL CO.  
DENVER



Tenneco Oil  
Exploration and Production  
A Tenneco Company

Rocky Mountain Division

Penthouse  
720 South Colorado Blvd.  
Denver, Colorado 80222  
(303) 758-7130

July 7, 1980

Mr. Ed Gynn  
U. S. Geological Survey  
2000 Administration Bldg.  
1745 West, 1700 South  
Salt Lake City, Utah 84138

Re: Tenneco State 7-8  
NE $\frac{1}{4}$ , Sec. 7, T18S, R21E  
Tenneco State 11-15  
SE $\frac{1}{4}$ , Sec. 11, T19S, R20E  
Tenneco USA 12-10  
SE $\frac{1}{4}$ , Sec. 12, T19S, R22E  
Tenneco USA 14-1  
NE $\frac{1}{4}$ , Sec. 14, T19S, R23E  
Tenneco USA 15-15  
SE $\frac{1}{4}$ , Sec. 15, T18S, R22E  
Tenneco USA 17-9  
SE $\frac{1}{4}$ , Sec. 17, T18S, R24E  
Tenneco USA 30-16  
SE $\frac{1}{4}$ , Sec. 30, T18S, R24E  
Tenneco State 36-7  
NE $\frac{1}{4}$ , Sec. 36, T18S, R20E  
Grand County, Utah

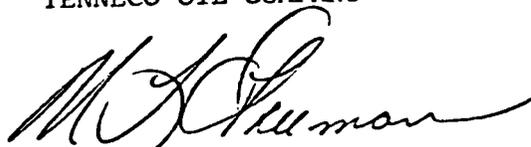
Dear Mr. Gynn:

Pursuant to NTL-6 Part II A, a preliminary environmental review is requested prior to the entry on the ground for the purpose of staking the referenced locations, access roads, and other surface use areas.

Please notify us at your earliest convenience of the status of approval.

Yours very truly,

TENNECO OIL COMPANY



M. L. Freeman  
Staff Production Analyst

MLF/rr  
-Encls.

cc: Bureau of Land Management  
Moab, Utah



# 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

July 15, 1980

Mr. Lee Freeman  
Tenneco Oil  
720 S. Colorado Blvd.  
Penthouse  
Denver, CO. 80222

Reference: Staking Request  
Well: USA 12-10  
Section 12, T. 19 S., R. 22 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 County Road Supervisor. A road right-of-way may be required on access to this location. An archaeological clearance must be obtained after staking the site.

Sincerely yours,

C. Delano Backus  
Area Manager

ACTING

RECEIVED

JUL 21 1980

TENNECO OIL CO.  
DENVER



*Save Energy and You Serve America!*

\*\* FILE NOTATIONS \*\*

DATE: October 10, 1980

OPERATOR: Jenneco Oil Co.

WELL NO: USA 12-10

Location: Sec. 12 T. 19S R. 22E County: Grand

File Prepared:

Entered on N.I.D:

Card Indexed:

Completion Sheet:

API Number 43-019-30736

CHECKED BY:

Petroleum Engineer: \_\_\_\_\_

Director: OK C-3(c) Topographic Exception provided Jenneco owns or controls oil and gas rights within 660' of proposed location.

Administrative Aide: \_\_\_\_\_

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

Hot Line

Approval Letter Written

P.I.

October 17, 1980

Tenneco Oil Company  
720 So. Colorado Blvd.  
Denver, Colorado 80222

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

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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 43-019-30730.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

*Cleon B. Feight /ka*

Cleon B. Feight  
Director

/ka  
cc: USGS



SCOTT M. MATHESON  
Governor

OIL, GAS, AND MINING BOARD

GORDON E. HARMSTON  
*Executive Director,*  
NATURAL RESOURCES

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

CHARLES R. HENDERSON  
*Chairman*

CLEON B. FEIGHT  
*Director*

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. 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, 18S, R. 24E  
Grand County, Utah

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

Minerals Management Service  
2000 Administration Building  
1745 West 1700 South  
Salt Lake City, Utah 84104-3884

February 3, 1982

Tenneco Oil Company  
720 S. Colorado Blvd.  
Denver, Colorado 80222

Re: Application for Permit to Drill  
Well No. 12-10  
Sec. 12-19S-22E, SLB&M  
Grand County, Utah  
Lease No. U-14343

Gentlemen:

The referenced application for permit to drill was received in this office on October 1, 1980.

Reviewing the application disclosed that bonding is still needed from Tejas Gas Corporation. This office cannot process the application as it is deficient, and therefore, is returning your application unapproved.

This office will commence processing the application upon receipt of a new complete package and bonding requirements.

If you have any questions, please feel free to call.

Sincerely,

W. P. MARTENS  
Drilling Unit Supervisor

E. W. Guynn  
District Oil and Gas Supervisor

DH/db  
bcc: Well File  
APD Control  
BLM, Moab  
MMS, Vernal  
St. O&G



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

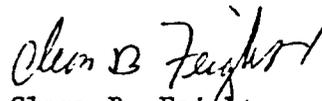
Gentlemen:

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

State of Utah  
Page 2

USA #15-7  
Sec. 15, T18S R22E Grand, Utah

Name is now Diamond Canyon Unit II #15-7  
State approval expires 10/28/81.

Sulfur Canyon Unit #17-9  
Sec. 17, T18S R24E Grand, Utah

State approval expires 2/19/81. Will be  
drilled in 1982.

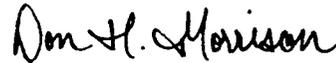
Long Canyon Unit #12-10  
Sec. 12, T19S R22E Grand, Utah

Long Canyon acreage has been farmed out.  
Tenneco will not be drilling this.

Should you have any further questions regarding these wells, do not hesitate to  
contact this office.

Very truly yours,

TENNECO OIL COMPANY



Don H. Morrison  
Production Analyst

DHM:jt