

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY(Other instructions on  
reverse side)

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

720 S. Colorado Blvd., Denver, Colorado 80222

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

880' FNL 1170' FEL

At proposed prod. zone

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

See Point 1B, Surface Use Plan

## 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

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

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

## 19. PROPOSED DEPTH

7410

## 20. ROTARY OR CABLE TOOLS

Rotary

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

6327 G.L.

## 22. APPROX. DATE WORK WILL START\*

December 1, 1979

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	36#	250+	See 4 below
8 3/4"	7"	23#	3500	See 4 below
6 1/4"	4 1/2"	11.6#, 11.5#	7410	See 4 below

(See 4 below)

- The geological name of the surface formation is Tertiary San Jose.
- ESTIMATED FORMATION TOPS

Pictured Cliffs	2839	Lewis Shale	2940
Cliffhouse	4471	Menefee	4571
Point Lookout	5063	Mancos	5311
Gallup	6291	Greenhorn	7027
Dakota A	7136	TOTAL DEPTH	7410
- Drill a 13 3/4" hole to 250+. Run 9 5/8", 36#, K-55 ST&C casing to 250+. Cement with sufficient volume to circulate cement to surface. Drill an 8 3/4" hole to 3500 and run 7", 23#, K-55 ST&C casing cementing with sufficient volume to circulate cement to surface. Drill a 6 1/4" hole using gas as a circulating fluid to total depth. Run 4 1/2" casing (3650' of 10.5#, K-55, ST&C casing and 11.6#, K-55, ST&C casing) with casing liner to 7410. Cement with sufficient volume using neat cement to circulate cement to liner top.
- BLOWOUT PREVENTORS: Hydraulic, double ram, 10". One set of rams will be provided for 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" with variable choke. BOP's will be installed, tested and in working order before drilling below surface casing and shall be maintained ready for use until drilling operations are completed. BOP's drills and test will be recorded in the IADC Drilling Report. They shall be checked every 24 hours. All rig equipment will be tested to above BOE ratings.
- 0-250 Native solids. Sufficient viscosity to clean hole and run casing.  
250-3500 Low solids, Gel chemical  
3500 - TD Gas
- AUXILIARY EQUIPMENT
  - Kelly cock will be in use at all times.
  - Stabbing valve to fit drill pipe will be present on floor at all times.
  - Mud monitoring will be visual, no abnormal pressures are anticipated in this area.
  - Floats at bits.
  - Drill string safety valve(s) to fit all pipe in the drill string will be maintained on the rig floor while drilling operations are in progress.
  - Rotating head will be used while drilling with gas.
- No cores or DST's are anticipated. 10' samples will be taken from 3000 to 3500. GR/Induction from TD to intermediate casing. GR/FDC/Caliper from TD to base of Mesa Verde.
- No abnormal pressures or temperatures are anticipated. See point #5 for blowout prevention equipment.
- The drilling of this well will take approximately 10 days. The gas is not yet contracted.

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

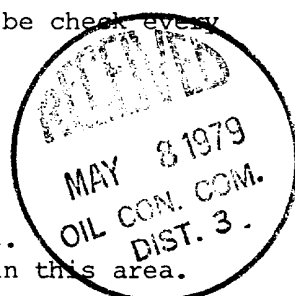
TITLE Division Production Manager

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE



**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section.

Operator <b>TENNECO OIL COMPANY</b>			Lease <b>HUGHES "A"</b>		Well No. <b>5</b>
Unit Letter <b>A</b>	Section <b>33</b>	Township <b>29N</b>	Range <b>8W</b>	County <b>San Juan</b>	
Actual Footage Location of Well: <b>880</b> feet from the <b>North</b> line and <b>1170</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6327</b>	Producing Formation <b>Dakota</b>		Pool <b>Basin Dakota</b>		Dedicated Acreage: <b>320</b> Acres

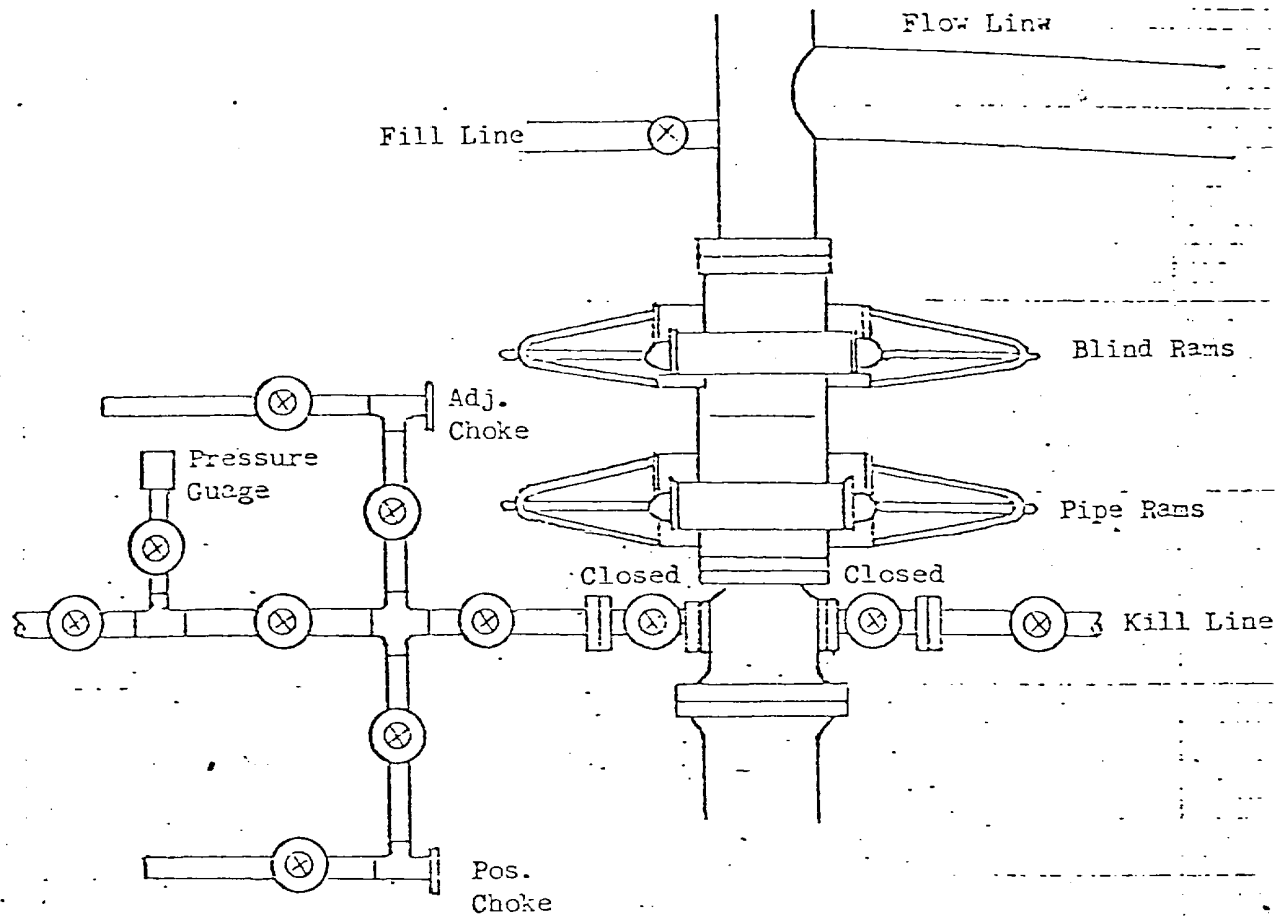
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☐ Yes    ☒ No    If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

	<b>CERTIFICATION</b>
	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.
	Name <u><i>J.A. Rusk</i></u>
	Position <u>Environmental Coordinator</u>
	Company <u>Tenneco Oil Company</u>
	Date <u>April 11, 1979</u>
<p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p>	Date Surveyed <u>March 19, 1979</u>
	Registered Professional Engineer and/or Land Surveyor <i>[Signature]</i> <b>Fred B. Kerr, Jr.</b>
	Certificate No. <u>3950</u>



All valves 2"

All BOPs, flanges, spools, valves, & lines must be series 900 or 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOCKUP

Denver, Colorado

1. Existing Roads

- A. **Proposed Well Site Location:** The proposed well site location was surveyed and staked by a registered land surveyor and is located 880' FNL and 1170' FEL, Sec. 33, T29N, R8W, San Juan County, New Mexico. (See Exhibit I, Surveyor's Plat.)
- B. **Planned Access Route:** The planned access route begins in Blanco, New Mexico, and goes east on Highway 17 for approximately 8 miles, at the junction of a dirt road which goes to the south take this dirt road approximately  $\frac{1}{2}$  mile to the junction of another dirt road (See Page 1-A attached hereto and made a part hereof.)
- C. **Access Road Labelled:**
- Color Code:      Red - Improved Surface  
                      Blue - New Access Road
- D. Not applicable - the proposed well is a development well.
- E. The proposed well is a development well. See Exhibit II for existing roads within a one mile radius.
- F. **Existing Road Maintenance or Improvement Plan:**  
The existing roads will require minimal maintenance.

2. Planned Access Roads

(All roads are existing roads.)

- A. **Width:**  
The average width of the road is twenty feet.
- B. **Maximum Grades:**  
Maximum grades will be 6%.
- C. **Turnouts:**  
There are no turnouts planned as sight distance is sufficient.
- D. **Drainage Design:**  
The road is center crowned to allow drainage. The road is flat primarily.
- E. **Culverts Use Major Cuts and Fills:**  
No culverts, jamor cuts and fills will be needed on this road.
- F. **Surfacing Material:**  
Native soil has been wetted, bladed and compacted to make the road surface, which is existing.

HUGHES "A" 5

Page 1-A

1. Existing Roads

B. Planned Access Route

which proceeds SE, turn on this and proceed SE for approximately 5 miles staying on this main road. This will begin the new access road into the proposed well site location.

(See Exhibit II.)

2. Planned Access Roads (Cont'd)

- G. Gates, Cattleguards, Fence Cuts:  
No gates, cattleguards or fences will be needed.
- H. New Roads Centerlined Flagged:  
Existing Roads.

3. Location of Existing Wells

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

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

4. Location of Existing and/or Proposed Facilities

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

- |     |                         |             |
|-----|-------------------------|-------------|
| (1) | Tank batteries -        | N/A         |
| (2) | Production facilities - | Exhibit III |
| (3) | Oil Gathering Lines -   | N/A         |
| (4) | Gas Gathering Lines -   | N/A         |
| (5) | Injection Lines -       | N/A         |
| (6) | Disposal Lines -        | N/A         |

- B. New facilities in the event of production:

- (1) New facilities will be within the dimensions of the drill pad.
- (2) Dimensions are shown on Exhibit IV.
- (3) Construction Materials/Methods:  
Construction materials will be native to the site.  
Facilities will consist of a well pad.
- (4) Protection of Wildlife/Livestock:

Facilities will be fenced as needed to protect wildlife or livestock.

4. Location of Existing and/or Proposed Facilities (Cont'd)

B. New facilities in the event of production: (cont'd)

- (5) New facilities will consist of well head, tank, and production unit.

C. Rehabilitation of Disturbed Areas:  
Following the completion of construction, those areas required for continued production will be graded to provide drainage and minimize erosion. Those areas unnecessary for use will be graded to blend with surrounding topography per BLM recommendations.

5. Location and Type of Water Supply

A. Location and type of water supply:  
Water will be hauled from a private source.

B. Water Transportation System:  
Water trucks will be used.

C. Water wells:  
N/A.

6. Source of Construction Materials

A. Materials:  
Construction materials will consist of soil native to the site. Any topsoil, if present, will be stripped and stockpiled as needed.

B. Land Ownership;  
The planned site and access road is on federal land administered by the Bureau of Land Management.

C. Materials Foreign to the Site:  
N/A.

D. Access Roads:  
No additional roads will be required.

7. Methods for Handling Waste Disposal

A. Cuttings:  
Cuttings will be contained in the reserve pit.

B. Drilling Fluids:  
Drilling fluids will be retained in the reserve pit.

C. Produced Fluids:  
Produced fluids, including produced water will be collected in the reserve pit. Any small amount of hydrocarbon that may be produced during testing will be retained in the reserve pit. Prior to clean up operations, the hydrocarbon material will be skimmed.

7. Methods for Handling Waste Disposal (Cont'd)

- D. Sewage:  
Sanitary facilities for sewage disposal will consist of at least one pit toilet, during the driller operations. The pit will be backfilled immediately following completion of the drilling operation.
- E. Garbage:  
There probably will not be much putrescible garbage to dispose of. However, it will be disposed of along with the refuse in a constructed burn pit, which will be fenced. The small amount of refuse will be burned and the pit will be covered with a minimum 36 inch cover upon completion.
- F. Clean-Up of Well Site:  
Upon the release of the drilling rig, the surface of the drilling pad will be prepared to accommodate a completion rig, if testing indicates potential productive zones. In either case, the "mouse hole" and "rat hole" will be covered to eliminate a potential hazard to livestock. The reserve pit will be fenced to prevent entry of livestock until the pit is backfilled. Reasonable clean up will be performed prior to final restoration of the site.

8. Ancillary Facilities

None required.

9. Well Site Layout

- A. Exhibit IV.
- B. Location of pits, etc. See Exhibit IV
- C. Rig orientation etc. See Exhibit IV
- D. Lining of pits:  
Pits will not be lined. They will be covered with a fine mesh netting, if necessary, for the protection of wildlife if fluids are found to be toxic.

10. Plans for Restoration of Surface

- A. Reserve pit clean up:  
The pit will be fenced prior to rig release and shall be maintained until clean up. Prior to backfilling 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 as needed to minimize erosion. The reserve pit area will be seeded per BLM recommendations during the appropriate season following final restoration of the site.



10. Plans for Restoration of Surface (Cont'd)

- 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, and seeded, per BLM recommendations. 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 depletion and abandonment of the site, restoration procedures will be those under Item C. below.
- C. Restoration Plan - No Production Developed:  
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. The site will be contoured to blend with the surrounding topography. The site will be seeded according to BLM recommendations. If the new access road is not required for other development plans, it will be obliterated and restored and seeded per BLM recommendations.
- D. Rehabilitation Time Table:  
Upon completion of operations the initial clean up of the well site will be performed. Final restoration of the site will be performed as soon as possible according to procedural guidelines published by the USGS and BLM. Seeding of the disturbed areas which are no longer required will be performed during the appropriate season, following final restoration.

11. Other Information

- A. Surface Description: The surface description of the proposed wellsite location is slightly hilly, with numerous rocks and cedar trees throughout. Approximately a 15 foot cut will be required in the SE corner of the location and approximately a 12 foot fill will be required in the NE corner of the location.
- B. Surface Use Activities:  
The surface is federally owned and managed by the BLM. The predominant surface use is mineral exploration and production.
- C. Proximity of Water, Dwellings and Historical Sites:
1. Water:  
There are no reservoirs or streams in the immediate area.
  2. Occupied Dwellings:  
There are no occupied dwellings or buildings in the area.
  3. Sites:  
An archeological reconnaissance has been performed for this location and clearance has been granted.


12. Operator's Field Representative

Donald S. Barnes  
Division Drilling Engineer  
Tenneco Oil Company  
720 South Colorado Blvd.  
Penthouse  
Denver, CO 80222  
(303) 758-7130 Ext. 212

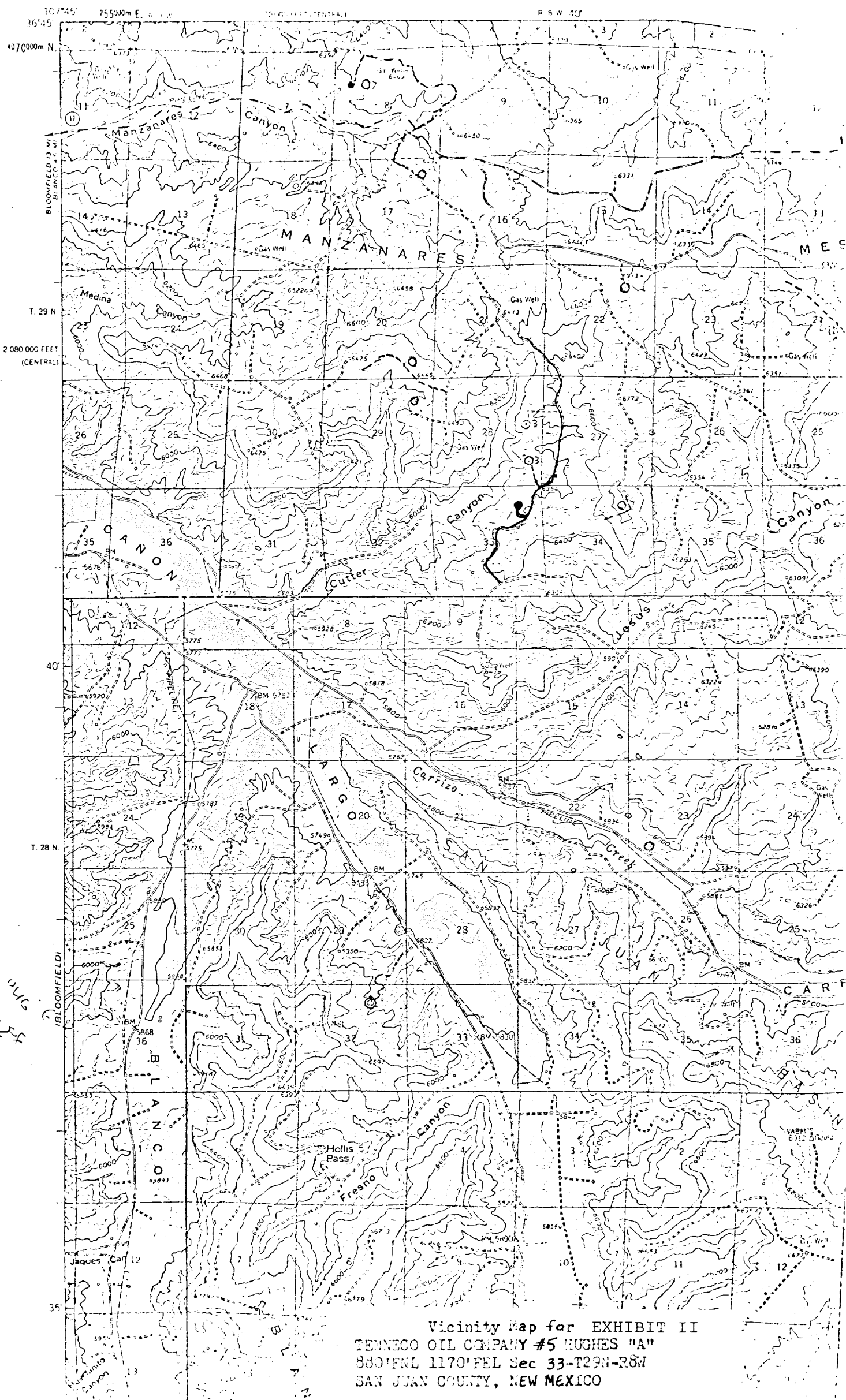
13. Certification

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 subcontractors will conform to this plan.

Date: 7-3-79

  
\_\_\_\_\_  
J. M. Lacey  
Division Production Manager

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY



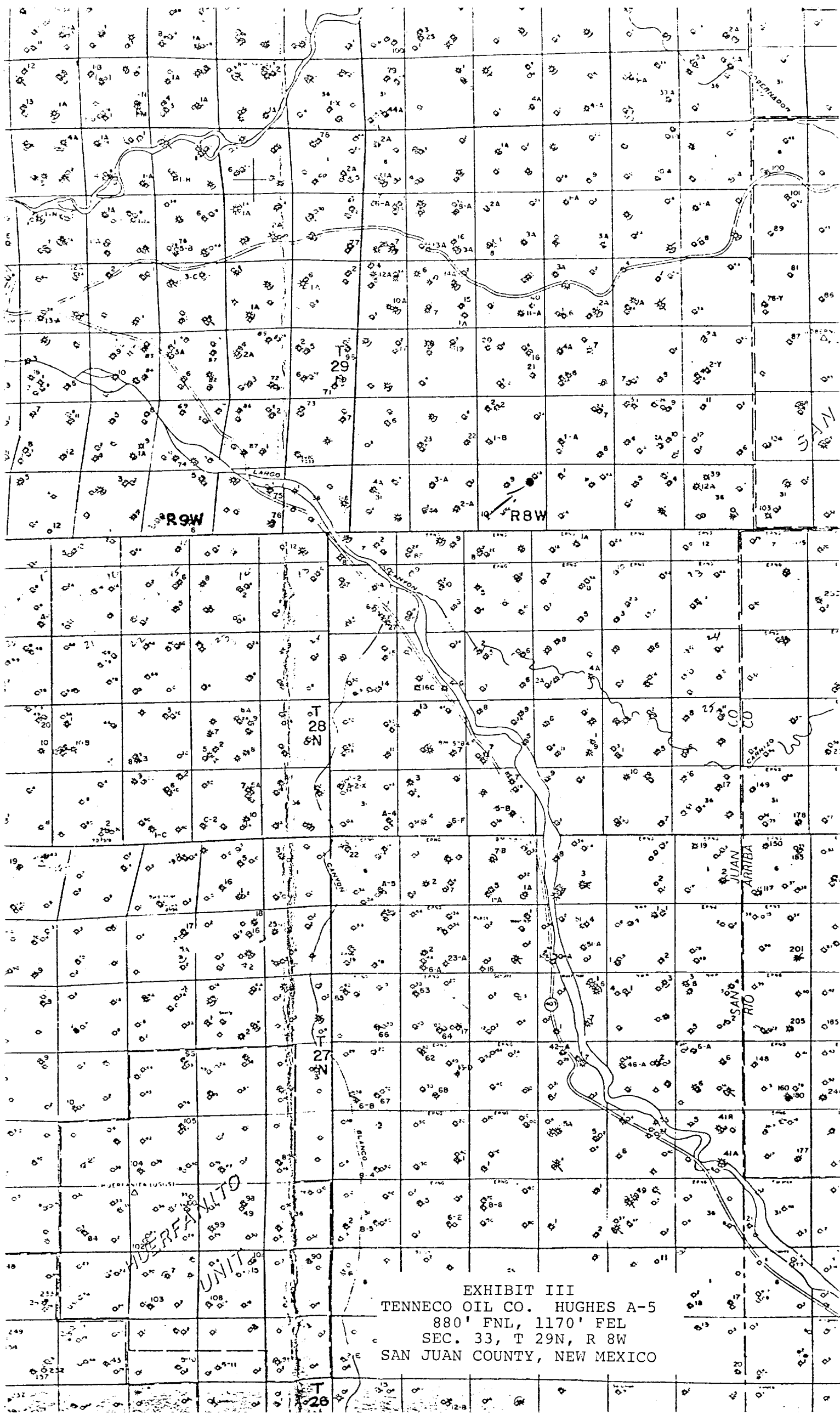


EXHIBIT III  
TENNECO OIL CO. HUGHES A-5  
880' FNL, 1170' FEL  
SEC. 33, T 29N, R 8W  
SAN JUAN COUNTY, NEW MEXICO

# TENNECO OIL COMPANY

## CALCULATION SHEET

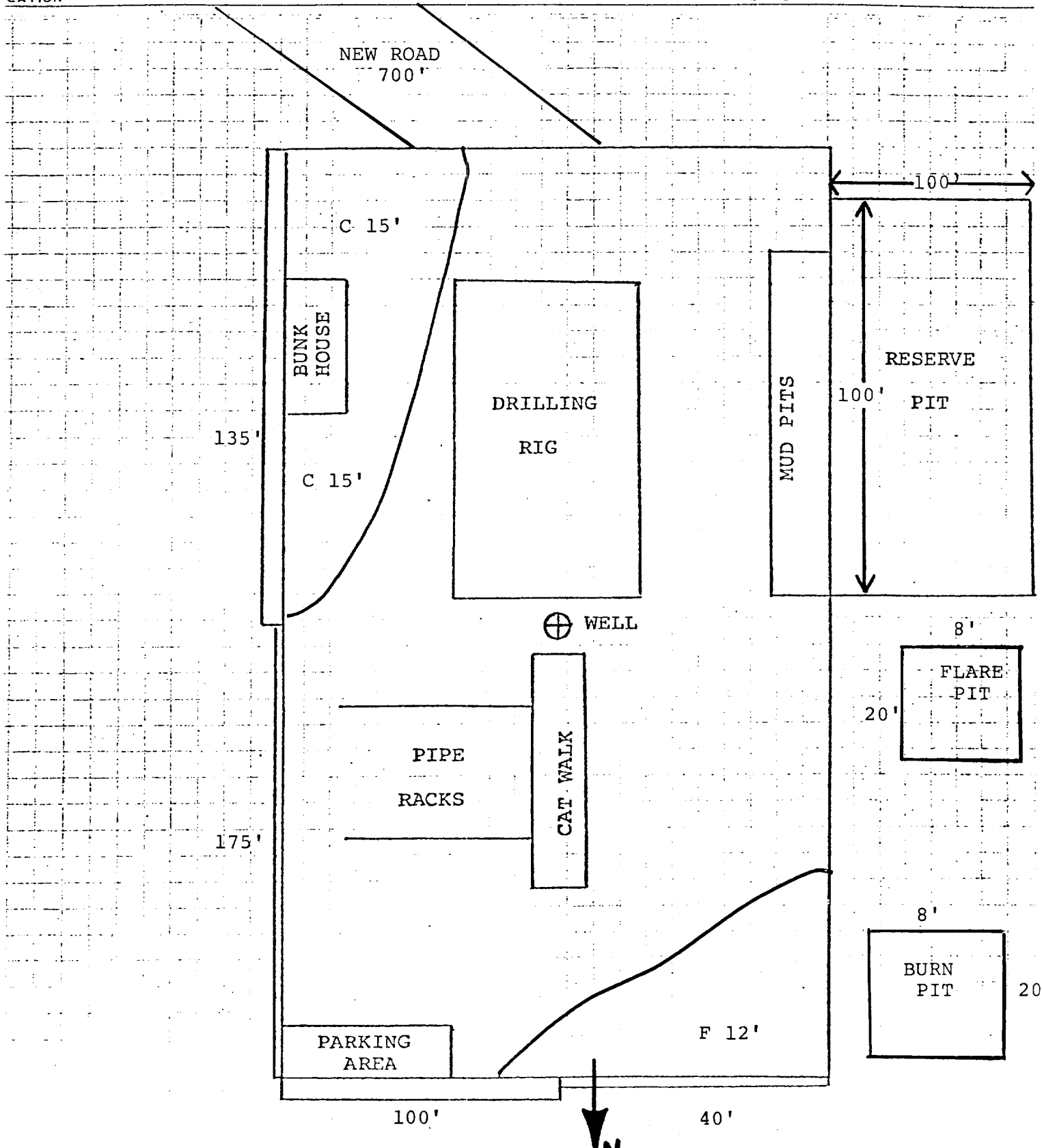
EXHIBIT IV

COMPANY

SUBJECT DRILLING WELL SITE LAYOUT HUGHES A-5

LOCATION SEC. 33, T 29N, R 8W, SAN JUAN COUNTY, N. MEXICO

DATE 4-79



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐  
well well

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
720 S. Colorado Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 880' FNL & 1170' FEL, UNIT A  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐

☐  
☐  
☐  
☐  
☐  
☐  
☐  
☐

(other) spud, surface, & production csg

5. LEASE

USA -SF - 078049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hughes

9. WELL NO.

A-5

10. FIELD OR WILDCAT NAME

Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 33, T29N, R8W

12. COUNTY OR PARISH 13. STATE

San Juan

New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)

6327' G.L.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

9/7/79 - 9/17/79

Spudded 13 3/4" hole on 9/7/79 and drilled to 223'. Ran 5 jts, 9 5/8", 36#, K-55 csg & set @ 223'. Cemented w/175 Sx Class B cement, w/2% CACL2 & 1/4# Sx Celloflake. Circulate to surface, WOC 12 hrs. NUBOE, PRESSURE TSTD csg to 600 PSI for 30 min. - held ok. Reduced hole to 8 3/4" and drilled to 3783'. Ran 93 jts 7", 23#, K-55 csg & set @ 3748'. Cemented w/650 Sx 50/50 Pozmix, 4% Gel & 6 1/4# Sx Gilsonite & 1/4# Sx Flocele, followed by 150 Sx Class B cement & 2% CACL2, WOC 12 hrs. Ran electric logs. Reduced hole to 6 1/4" and drilled to TD @ 7448' on 9/17/79. Ran 89 jts, 4 1/2", 10.5# & 11.6#, K-55 csg w/liner & set @ 7443' w/top of liner @ 3560'. Cemented w/500 Sx 50/50 Pozmix, 0.75% CRF-2. Rig released. WOCU.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Carley Stott TITLE Admin. Supervisor DATE 9/19/79

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR  
Tenneco Oil Company

3. ADDRESS OF OPERATOR  
720 S. Colorado Blvd., Denver, CO 80222

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 880'FNL & 1170'FEL, Unit A  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☒  
☒  
☐  
☐  
☐  
☐  
☐  
☐

**RECEIVED**

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OCT 17 1979

U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

10/1/79

MIRUCU. NUBOPE. Pressure tested csg. to 3500 PSI for 15 min. - held ok. Spotted 500 gals DI HCL acid. Ran electric log. Perforated the Dakota formation from 7160'-7170', 7254'-7340', 7336'-7340', 7364'-7372', 7382'-7384' w/2 JSPF. ISIP-900#. Acidized w/1500 gals 15% HCL & 120 ball sealers @ 35BPM @ 2700#. Fractured well w/80,000 gals gelled water, 80,000# 20/40 sand, 40 BPM @ 3300#. ISIP-1700 PSI. Ran 2 3/8" tbg and set @ 7166'. NDBOE. Installed tree. RDMOCU.

Subsurface Safety Valve: Manu. and Type

Set @ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Calvin M. ...*

TITLE

Admin. Supervisor

DATE

10/15/79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

**TWMOCC**

TABULATION OF DEVIATION TESTS

TENNECO OIL COMPANY

DEPTH INCLINATION

223'

1215

1475

1974

2463

2937

3341

4367

5000

6499

6739

7740

5054

5555

6013

DEPTH INCLINATION

0°

3/4

1

3/4

1

1

3/4

1

5

7 1/4

7

6

1

2

2 1/4

AFFIDAVIT

This is to certify that to the best of my knowledge, the above tabulation details the deviation test taken on Tenneco Oil Company's well:

Hughes A-5, Unit A, Sec. 33, T29N, R8W, San Juan County, New Mexico.

Signed

Carley Watkins  
Agent for Tenneco Oil Company

THE STATE OF COLORADO )  
CITY AND COUNTY OF DENVER)

Before me, the undersigned authority, on this day, personally appeared,

Carley Watkins, known to me to be an Agent for Tenneco Oil

Company, and to be the person whose name is subscribed to the above

statement, who, being by me duly sworn on oath, states that he

has knowledge of the facts stated herein, and that said statement is true

and correct. Subscribed and sworn to before me, a Notary Public in and

for said County and State, this

Richard C. Tolenta  
Notary Public

My Commission Expires:

June 4, 1983



REGULATION OF OIL AND NATURAL GAS  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form No. 1  
Subsequent to 1964 and 6-2  
Effective 1-1-65

API - 30-045-23516

REGISTRATION OFFICE  
REGISTRATION OFFICE  
REGISTRATION OFFICE

Tenneco Oil Company

Address  
720 S. Colorado Blvd., Denver, Colorado 80222

Section of Form 1000  
New Well ☒ Change in Transporter or Oil ☐  
Recompletion ☐ Oil ☐ Dry Gas ☐  
Change in Ownership ☐ Condensate Gas ☐ Condensate ☐

If change of ownership give name  
and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

\*USA-SF-078049

Lease Name	Hughes A	Well No. Pool Name, including Formation	5 Basin Dakota	Kind of Lease	State, Federal or Fee	Federal	Lease No.	*
Location	A	880	Feet From The North	Line and	1170	Feet From The East		
Unit Letter	A	880	Feet From The North	Line and	1170	Feet From The East		
Line of Section	33	Township	29N	Range	8W	NMPM	San Juan	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil	Plateau, Inc.	or Condensate	X	Address (Give address to which approved copy of this form is to be sent)	Box 108, Farmington, New Mexico 87401	
Name of Authorized Transporter of Gas, Condensate Gas	El Paso Natural Gas Co.	or Dry Gas	X	Address (Give address to which approved copy of this form is to be sent)	Box 990, Farmington, New Mexico 87401	
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Range	Is gas actually connected?	When
	A	33	29N	8W	No	ASAP

If this production is commingled with that from any other lease or pool, give commingling order number

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deeper	Plug Back	Same Rest.	Diff. Rest.
		X	X					
Date Spudded	9/7/79	Date Comp., Ready to Prod.	10/4/79	Total Depth	7448'	P.B.T.D.	7417'	
Elevations (DF, RKB, RT, GR, etc.)	6327' GL	Name of Producing Formation	Dakota	Top Oil/Gas Pay	7160'	Tubing Depth	7166'	
Perforations	7160'-7384' (80 Holes)					Depth Casing Shoe		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
13 3/4"	9 5/8"	223'	175 Sacks					
8 3/4"	7"	3748'	650 Sacks					
6 1/4"	4 1/2"	7443'	500 Sacks					
	2 3/8"	7166'						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
2900	3hrs.		
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size
back pressure	2100	2150	3/4"

VI. CERTIFICATE OF COMPLIANCE

OIL CONSERVATION COMMISSION

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

APPROVED \_\_\_\_\_, 1979

BY Original

TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deeper well, this form must be accompanied by a tabulation of the deviat tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for all able on new and recompleted wells.

Fill out only Sections I, II, III, and VI for changes of own well name or number, or transporter, or other such change of credit. Separate Forms O-104 must be filed for each pool in multi-

Administrative Supervisor