SUBMIT IN TRIPLICATE® (Other instructions on reverse side)

Form approved, Budget Bureau No. 42-R1425.

# UNITED STATES DEPARTMENT OF THE INTERIOR

5. LEASE DESIGNATION AND SERIAL NO.

	USA-SF-08245							
APPLICATION	ON, FOR PERMIT	TO DRILL, DEE	PEN, OR	PLUG BA	4CK	6. IF INDIAN, ALLOTTER	OR TRIBE NAME	
DRILL DEEPEN DEEPEN PLUG BACK					κ 🗆	7. UNIT AGENEMENT NAME		
b. TYPE OF WELL OIL WELL	CAS S OTHER		SINGLE ZONE	MULTIPL ZONE		S. PARM OR LEASE NAM	1E	
2. NAME OF OPERATOR						Hamner		
Tenneco Oil	Company					9. WELL NO.		
3. ADDRESS OF OPERAT	0 B	9						
720 South C	olorado Blvd, DE	10. FIELD AND POOL, O	R WILDCAT					
	(Report location clearly a	Blanco Pict	ured Cliffs					
At surface 1020' FNL, 1090' FEL						11. SEC., T., R., M., OR BLE. AND SCRVEY OR AREA		
At proposed prod.	zone					Sec. 20, T2	9N, R9W	
14. DISTANCE IN MILE	S AND DIRECTION FROM NI	AREST TOWN OR POST OF	FICE*			12. COUNTY OR PARISH	13. STATE	
See Point l	B,Surface Use P.	Lan				San Juan	New Mexico	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig, unit line, if any)						OF ACEES ASSIGNED HIS WELL 160		
18. DISTANCE FROM PROPOSED LOCATIONS TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.						RT OR CABLE TOOLS		
21. ELEVATIONS (Show 5589 GL	whether DF, RT, GR, etc.)					22. APPROX. DATE WORK WILL START* April 30, 1979		
23.		PROPOSED CASING	AND CEMENTI	NG PROGRA	M	-		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING	G DEPTH	QUANTITY OF CEMENT			
	0 5 (01)	2.4"	3501		Cufficient to given late to gur			

Sufficient to circulate to surface 12-1/4" 8-5/8" 2250 **'** Sufficient to circulate to surface 7**-**7/8" 4-1/2" 10.5#

1. The geological name of the surface formation is San Jose Eodene.

#### 2&3.Estimated Formation Tops:

Fruitland

Pictured Cliffs

- + 2050' possible oil/gas producer
- 4. Run 8-5/8" OD, K-55 new casing to  $\pm$  150' and circulate cement to surface. Run 4-1/2" OD, K-55 casing to 2250' and circulate cement to surface.
- 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. BOPs 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. BOPs, drills and tests 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.
- 5. Drilling Mud Program: 0-150' native solids, use sufficient viscosity to clean hole and casing. 150' - T.D. low solids.
- Auxiliary Equipment
  - a. Kelly cock will be in use at all times.
  - 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 in this area.
  - d. Floats at bits.

of Such

- e. 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.
- f. Rotating head will be used while drilling with gas.
- No coring is planned. GR/FDC/CNL/Caliper Surveys will be taken from 2000' above T.D. to T.D. SP/Induction/SN/GR taken from T.D. to surface.
- No abnormal pressures or temperatures are anticipated. See point #5 for blowout prevention equipment
- 10. The drilling of this well will take approximately five days. The gas is contracting.

NMOCK

4.	D.D. Migen		Div	Production Manager		March	20.	1979
BIGNED	N.N. III Jens	TITLE			DATE			

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

All distances must be from the outer coundaries of the Section F + H 211 7 Lease Well 1.5 TENNECO OIL COMPANY 9 HAMNER . wr. 5mig Count Fande 20 29N San Juan : A--... 1020 meters a North 1090 Buland Lyses, alsey Programme Formation 5589 # Pictured Cliffs 160 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 rovalte. 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? 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 all wable 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. CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. T0001 TENNECO USA Company TENNECO CIL COMPANY Sec 20 I hereby sertify that the well-location shown on this plat was plotted from field notes of actual surveys made by me or is true and correct to the best of my knowledge and belief. Date Surve REGI Novem# Cemifica

1320

3950

#### HAMNER 9

## 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 1020' FNL, 1090' FEL, Sec.
  20, T29N, R9W, San Juan County, NM. (See Exhibit I, Surveyor's
  Plat).
- B. Planned Access Route: The planned access route begins in Blanco, NM and goes east on Hwy for approx. 1 mile to junction of dirt road which goes to S/E. Turn on this gravel dirt road and go approx. 3/4 mile to junction of an improved dirt road which turns back to S/W. Turn on this road and go approx. 1/2 mile into proposed well site location.

C. Access Road Labelled: / (See Exhibit II).

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.
- 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 will be needed. No major cuts and fills will be needed.
- F. Surfacing Material:
  Native soil has been wetted, bladed and compacted to make the road surface, which is existing.

# 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<sup>III</sup> 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 See 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) Facilities will be within the dimensions of the drill pad.
  - (2) Dimensions are shown in 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.

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

- B. New facilities in the event of production: (cont'd)
  - (5) Facilities will consist of a wellhead, 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 putriscible 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. See 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 intial 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 proposed location lies immediately adjacent to Largo Canyon which is south of the location. The location is relatively flat rolling terrain with scattered sagebrush and grasses throughout.
- 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.

Occupied Dwellings:

There are no occupied dwellings or buildings in the area.

3. Sites:

An archeological reconnissance 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

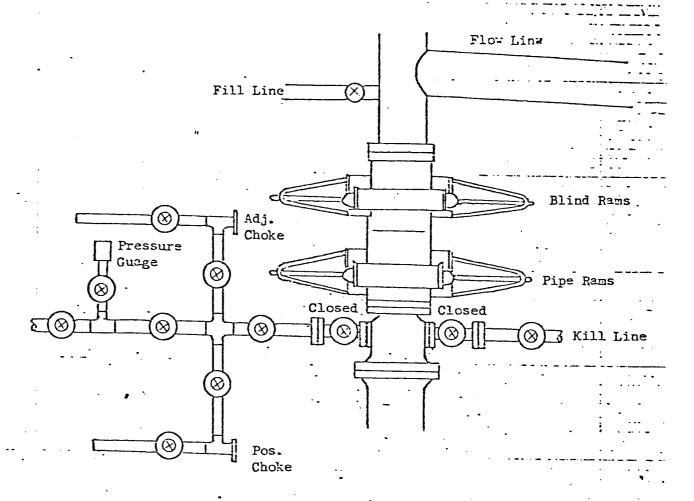
#### 13. Certification

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 subcontractos will conform to this plan.

Date: 3-20-19

D. D. Myers

Division Production Manager



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.

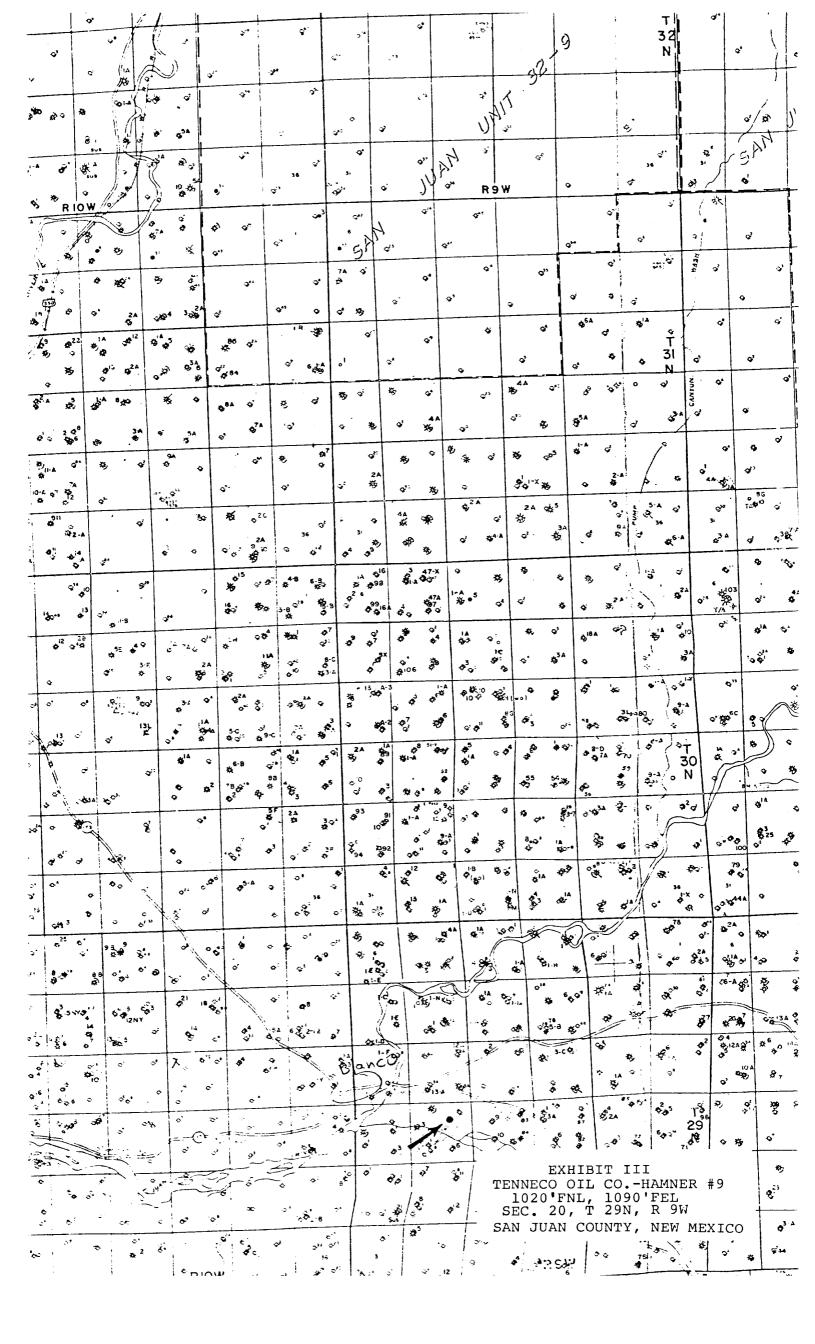
TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOOKUP

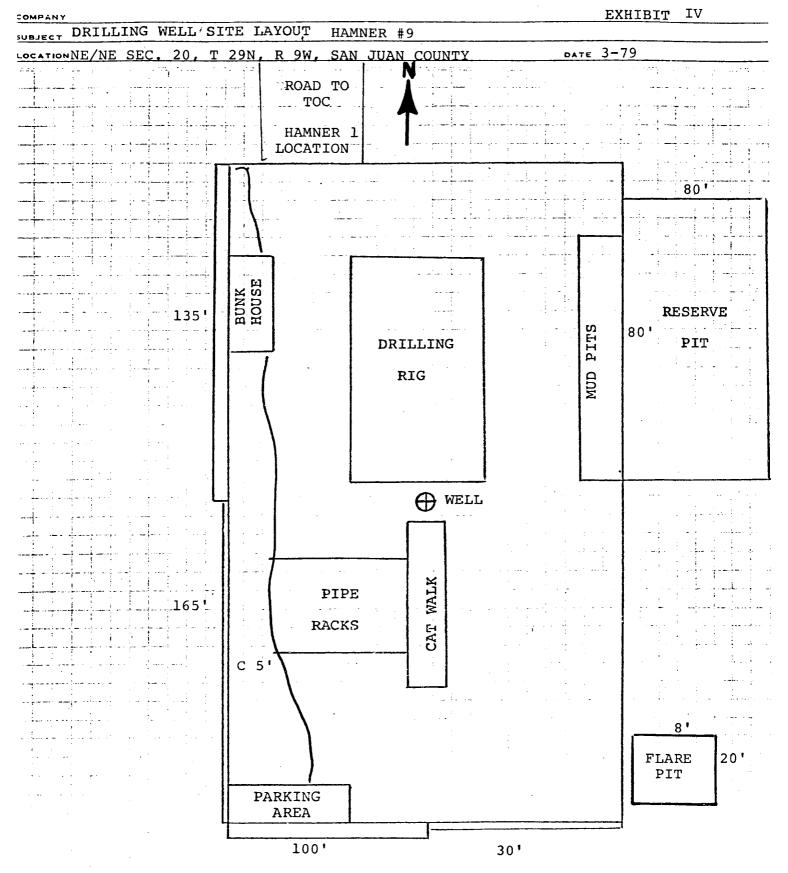
Denver, Colorado

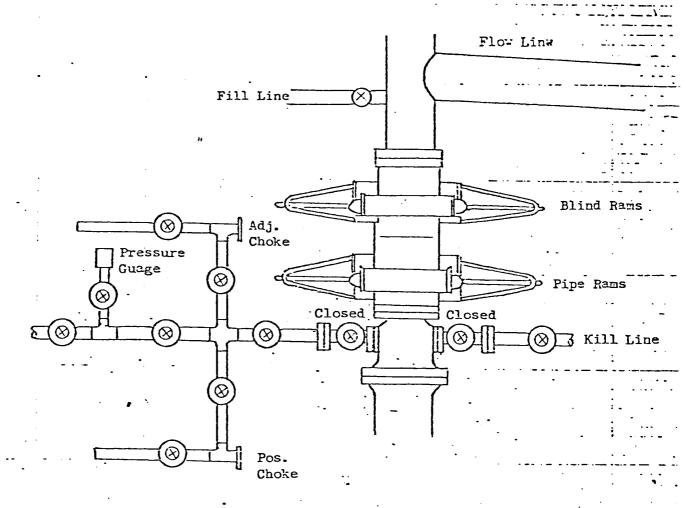
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1000/Fib 1090/Fib Red 20-T29M-R9W
SAN JUYA COUMTY, WEW MEXICO 



#### TENNECO OIL COMPANY

#### **CALCULATION SHEET**





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TENNECO OIL COMPANY

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Denver, Colorado