5 LEASE DESIGNATION AND SERIAL NO.
USA SF-078415

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OR APPLIED FOR	PROPERTY OR LEASE LINE, FT. (Also to dearest drig. unit line, if any) 18. DISTANCE FROM PROPOSED LOCATION®			OPOSED DEPTH	20. BOTA	320 ART OR CABLE TOOLS	
21. ELEVATIONS (Sho	LL, DRILLING, COMPLETED, IN THIS LEASE, PL.		1	7675 '	1	Rotary	
C162 G =	w whether DF, RT, GR, etc.)		<u> </u>		<u> </u>	22. APPROX. DATE WORK WILL START* -	
6463 G.L.	<u> </u>	<u> </u>	-		·:	January 15, 1979	
23		PROPOSED CASIN	G AND	CEMENTING PROGRA	<u>r</u> 7ऑv a sein		
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FO	OT	SETTING DEPTH		QUANTITY OF CEMENT	
13-3/4" 7-7/8"	9-5/8" 4-1/2"	36# 10.5#		<u>+ 400'</u> 7675	I.	ient to circulate to surface ages to Mesa Verde & surface	
<u> </u>							
	gic name of the s	urface format	tion	is the Tertiar	San J	ose.	
Fruitland	Formation Tops 2810'		Poir	t Lookout	· _		
Pictured	Cliffs 3140'		Manc		_		
Lewis Sha			Gall	-	6575'		
Cliffhous Menefee	e 4695 			nhorn ta "A"	7335' 7435' Possible oil/gas prod		
	" OD, K-55 new ca	sing to + 400				e. Run 4^{1} ₂ " OD, K-55 new	
						op of Mesa Verde zone and	
	Place two cement . be approved API		w D.V	. tool and ceme	ent sec	ond stage to surface. Casi	
			ram.	10". One set	of ram	s will be provided for each	
						. Fill line will be 2", ki	
line will	be 2", choke rel	ief line will	l be	2" with variabl	le chok	e. BOP's will be installed	
						and shall be maintained re	
						and tests will be recorded All rig equipment will be	
tested to	above BOE rating						
0-400' Sp				NT		6000	
	ise viscosity for					. 6800 7 T.D., water loss	
Auxiliary	Equipment				žonas, 4	1 5/2/2	
	y cock will be in					The Control of the Co	
b. Stab	bing valve to fit monitoring will be	drill pipe v P visual, no	∦1ll abno	be present on i	lloor a	t all times ticipated in this area.	
d. Floa	ts at bits.						
		7 ()	it al	1 pipe in the d	drill s	tring will be maintained on	
e. Dril							
e. Dril rig	floor while drill	ing operation	ns ar	e in progress.			
e. Dril rig f. Rota No cores	floor while drill ting head will be will be taken. G	ing operation used while d	ns ar drill	e in progress. ing with gas.	of Mesa		
e. Dril rig f. Rota No cores to surfac	floor while drill ting head will be will be taken. G e casing.	ing operation used while d R-FDC-CNL-Cal	ns ar drill Liper	e in progress. ing with gas. -T.D. to base o		Verde. GR-Induction SP-SN	
e. Dril rig f. Rota No cores to surfac	floor while drill ting head will be will be taken. Go casing. al pressures or to	ing operation used while d R-FDC-CNL-Cal	ns ar drill Liper	e in progress. ing with gas. -T.D. to base o		Verde. GR-Induction SP-SN t #5 for blowout prevention	

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-122 Effective 1-1-65

All distances must be from the outer boundaries of the Section

		All tratances that be i	t man	in the section.	122.0.5							
Operator TENNECO OT	T COMPANY		ROELOFS		Well Ho.							
TENNECO OIL COMPANY Unit Letter Cection Township		Township	Hange	County								
G	9	29N	8W	San Juan								
Actual Footage Loc												
2400		orth line and	1560	feet from the East	line							
Ground Level Elev. 6463	Producing For Dakota		Basin Dakot	.a. /	Dedicated Acreage:							
			L									
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 consoli-												
dated by communitization, unitization, force-pooling, etc?												
Yes No If answer is "yes," type of consolidation												
	Land 100 Land 110 / 507 17/1- 51 10/10/10/10/10/10/10/10/10/10/10/10/10/1											
		owners and tract desc	riptions which have	actually been consolid	lated. (Use reverse side of							
	f necessary.)		interests have 1	n consolidated /h	nmunitization, unitization,							
	•				nmunifization, unitization, approved by the Commis-							
sion.	ing, or otherwise)	or until a non-standar	a unit, oriminating s	·	a opproved by the committee							
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	i .			5	CERTIFICATION							
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	1			Name (
	·+		- =		J.a. Kush							
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·	1			Tennec	o Oil Company							
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Page 1 September 1	Taxonia III			3950	3 - 1							

ROELOFS 3

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 2400' FNL and 1560' FEL, Section 9, Township 29 North, Range 8 West, San Juan County, New Mexico. (See Exhibit I Surveyor Plat).
- B. Planned Access Route:
 The planned access route begins in Blanco, New Mexico and proceeds east on Highway 17 for approximately 7.5 miles to the junction of a road which goes NW. Proceed on this road for approximately 1.2 miles to the junction of a gravel road. Turn southeast on this and

C. Access Road Labelled: / go ¼ mile. The new road to the location / begins here and goes SW 1/8 mile to the loc.

Color Code: Red - Improved Surface / (See Exhibit II).

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 600' of new road will be 12 feet wide.
- B. Maximum Grades:
 Maximum grades will be six percent.
- 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. An eight foot cut will be required on the NW area of the pad to build the location.
- F. Surfacing Material:
 Native soil has been wetted, bladed and compacted to make the road surface, which is existing.

2. Planned iccess 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: None.
- F. Producing Wells: See Exhibit III.
- G. Shut-In Wells: None.
- H. Injection Wells: None.
- I. Monitoring or Observation Wells: None.

4. <u>Location of Existing and/or Proposed Facilities</u>

- A. Existing facilities within one mile owned or controlled by Lessee/Operator:
 See Exhibit III.
 - (1) Tank batteries See Exhibit III.
 - (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 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.

- 4. Location of Existing and/or Proposed Facilities (Cont'd)
 - B. New facilities in the event of production: (cont'd)
 - (5) The new facilities will consist of a tank, production unit and wellhead.
 - 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 surface topography of the area is relatively flat and gently sloping from the existing access road.
- 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

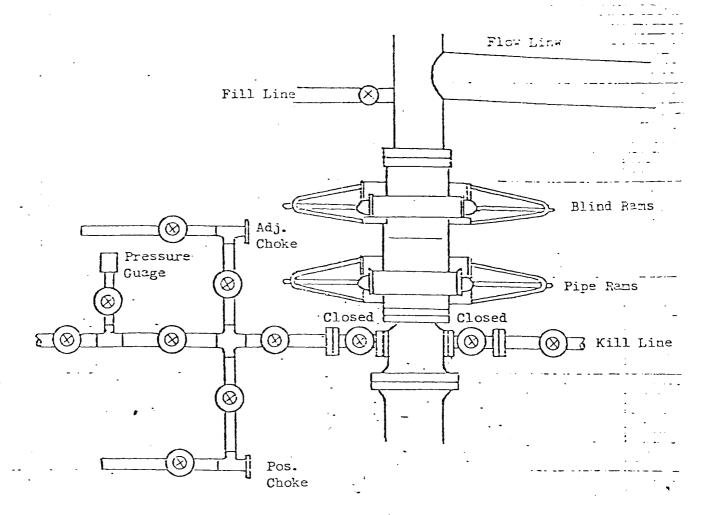
13. Certification

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: 12-1-78

D. D. Myers

Division Production Manager



All valves 2"

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

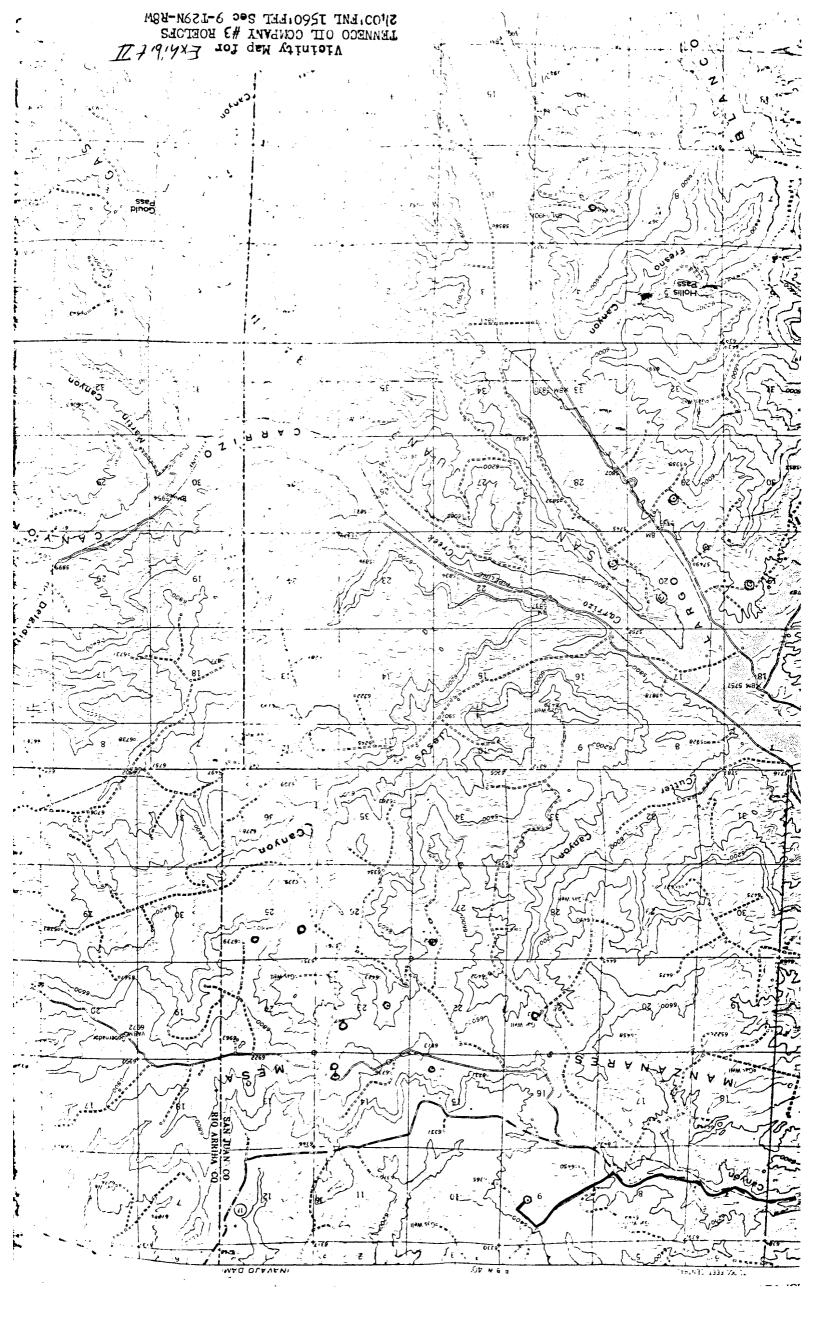
Choke manifold must be at ground level and extended out from under substructure.

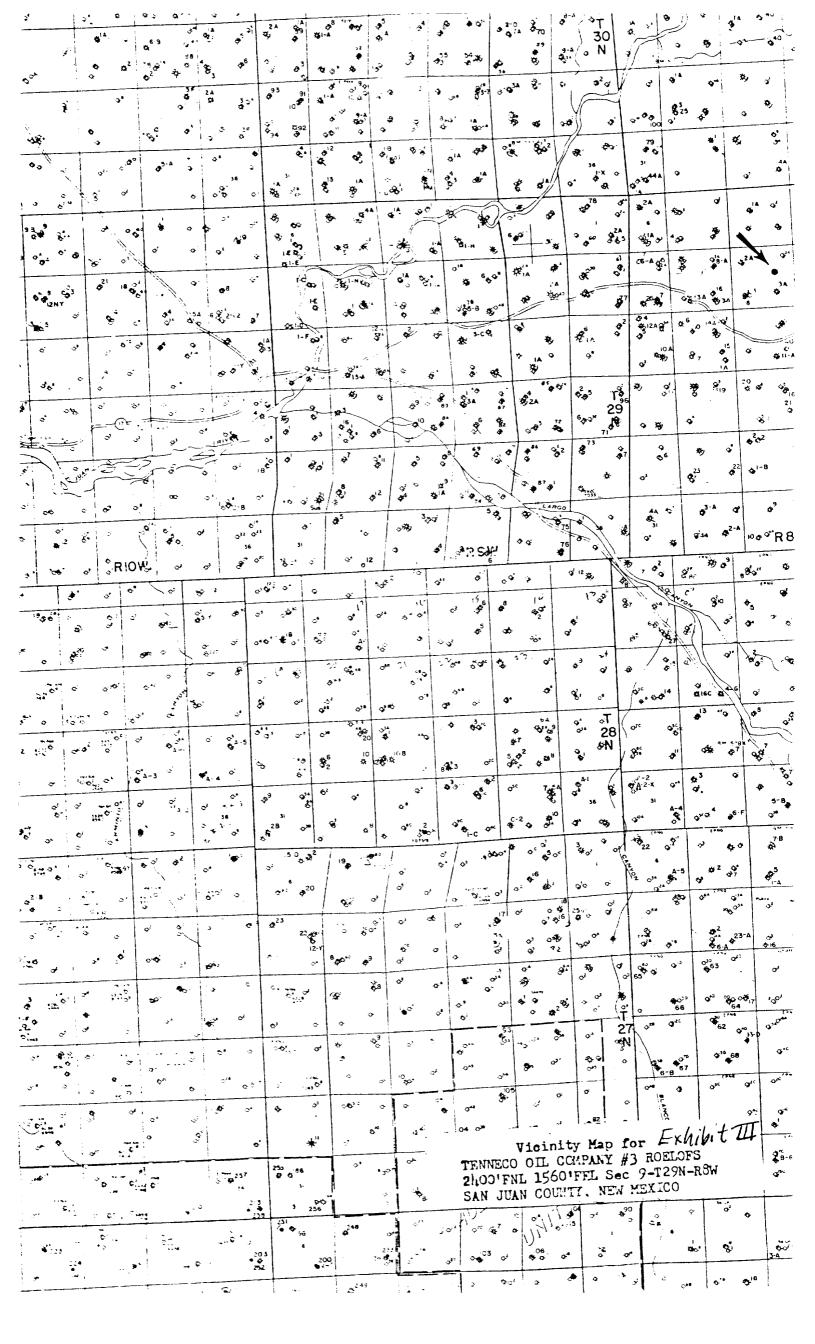
TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR .

ROOKUP

Denver, Colorado





TENNECO OIL COMPANY

