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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 11-65

5A. Indicate Type of Lease	
STATE <input checked="" type="checkbox"/>	FEE <input type="checkbox"/>
5. State Oil & Gas Lease No.	
See C-102	

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		8. Farm or Lease Name State "N"	
2. Name of Operator Tenneco Oil Company		9. Well No. 1	
3. Address of Operator 720 South Colorado Blvd., Denver, Colorado 80222		10. Field and Pool, or Wildcat Basin Dakota	
4. Location of Well UNIT LETTER M LOCATED 1100 FEET FROM THE South LINE AND 790 FEET FROM THE West LINE OF SEC. 32 TWP. 29N RGE. 9W NMPM		12. County San Juan	
19. Proposed Depth 6890'		19A. Formation Dakota	
20. Rotary or C.T. Rotary		21. Elevations (Show whether DF, RT, etc.) 5873' G.L.	
21A. Kind & Status Plug. Bond Blanket Bond		21B. Drilling Contractor Coleman	
22. Approx. Date Work will start Nov. 5, 1980			

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 3/4"	9 5/8"	36#	250'	Sufficient to	
7 7/8"	4 1/2"	10.5#	6890'	Circulate to	
				Surface	

SEE THE ATTACHED DRILLING PROGNOSIS.

Blowout Preventors: Hydraulic double ram, 10" 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 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.

The drilling of this well will take approximately 5 days. The gas is dedicated.

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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

Signed M.L. Freeman Title Staff Production Analyst Date August 12, 1980

(This space for State Use)

APPROVED BY J. L. Clay TITLE SUPERVISOR DISTRICT #3 DATE AUG 14 1980

CONDITIONS OF APPROVAL, IF ANY:

**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.

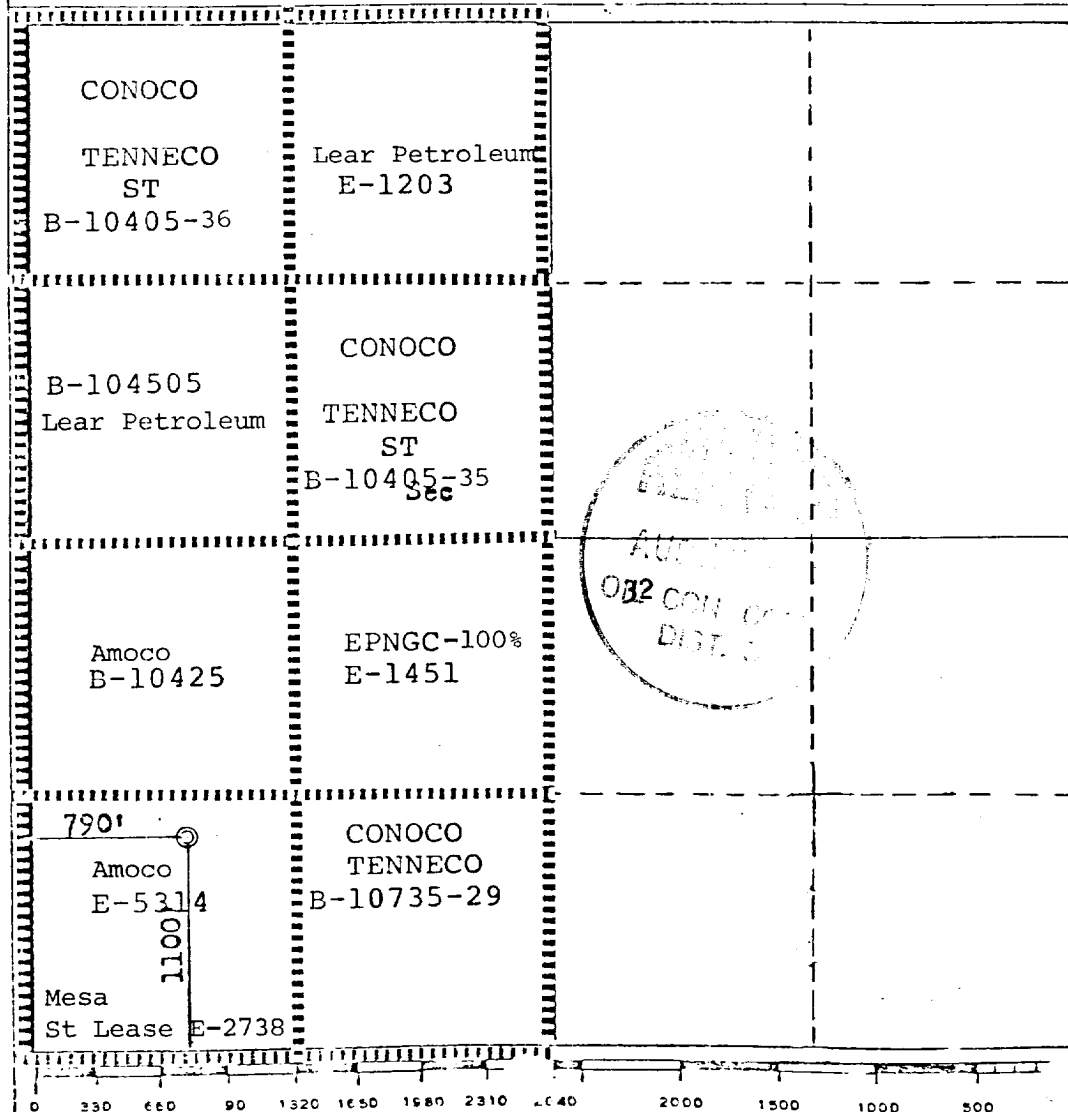
Operator TENNECO OIL COMPANY			Lease STATE "N"		Well No. 1
Unit Letter M	Section 32	Township 29N	Range 9W	County San Juan	
Actual Footage Location of Well: 1100 feet from the South line and 790 feet from the West line					
Ground Level Elev. 5873	Producing Formation Dakota	Pool Basin Dakota		Dedicated Acreage: 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 communitized

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.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

M. L. Freeman
Name

M. L. Freeman

Position
Staff Production Analyst

Company
Tenneco Oil Company

Date
August 12, 1980

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.

Date Surveyed
October 17, 1978

Registered Professional Engineer and/or Land Surveyor
Fred B. Kerr Jr.
Fred B. Kerr Jr.

Certificate No. MEXICO
3950

TENNECO OIL COMPANY

PROGNOSIS TO DRILL AND COMPLETE.

DIVISION: Rocky Mountain

DATE: October 25, 1978

LEASE: State N

WELL NO.: 1

LOCATION: 790' FSL, 790' FEL
Section 32, T 29N, R 9W
San Juan County, New Mexico

FIELD: Basin Dakota

ESTIMATED ELEVATION: 5950' (G.L.) Est.

ESTIMATED TOTAL DEPTH: 6890'

PROJECTED HORIZON: Dakota

DRILLING, CASING AND CEMENT PROGRAM:

- 1) MIRU Rotary Tools.
- 2) Drill 13-3/4" hole to \pm 250'.
- 3) Run 9-5/8", 36#, K-55, ST&C casing set at \pm 250'. Cement with sufficient volume to circulate cement to surface. Use class "B" with 2% CaCl.
- 4) W.O.C. a minimum of 12 hours. Cut off. Nipple up well head. Nipple up BOE. Pressure test at 600 psi for 30 minutes.
- 5) Drill 8-3/4" hole to \pm 2400'. If no gas or water flow, reduce hole to 7-7/8" and drill to T.D.
- 6) Run open hole logs as per program. If commercial, run 4-1/2" casing.
- 7) Cement in two (2) stages. Set DV tool at \pm 4000'. Cement with sufficient volume to circulate to surface.
- 8) If well is not productive, plug and abandon as per U.S.G.S. and State regulations.

ESTIMATED FORMATION TOPS:

Pictured Cliffs	2325'
Lewis Shale	2435'
Cliffhouse	4000'
Menefee	4050'
Point Lookout	
Mancos	4775'
Gallup	5775'
Greenhorn	6525'
Dakota A	6650'
T.D.	6890'

0 - 250' Native solids. Use sufficient viscosity to clean hole and run casing.
 0 - 2600' Water. Benex.
 2600 - T.D. Low solids. Weight 9.0 ppg. Water loss 15 cc. Anticipate loss of circulation through Mesaverde.

CORING AND TESTING PROGRAM:

None.

DEVIATION SURVEYS:

1. Survey surface hole at 100' intervals. Maximum allowable deviation at 250' is $\frac{1}{2}^{\circ}$.
2. FROM SURFACE TO TOTAL DEPTH DEVIATION SURVEYS MUST BE TAKEN EVERY 500' OR EACH TRIP WHICHEVER IS FIRST. This may entail running the TOTCO on wireline. Record each survey on the AAODC Drilling Report Sheet. Maximum allowable change in deviation is 1° per 100'.

SAMPLES:

30' Samples - Surface to 6000'.
 10' Samples - 6000' to T.D.

WELL SURVEYS:

GR - FDC - CNL - Caliper - T.D. to base of Mesaverde
 GR Induction - SP - SN - T.D. to surface casing

BOP:

PREVENTORS MUST BE CHECKED FOR OPERATION EVERY 24 HOURS, AND THE CHECK MUST BE RECORDED ON THE AAODC DRILLING REPORT SHEET.

10"/900 Series - double ram preventer with complete set of pipe and blind rams.
 One Hydraulic Closing Unit. Rotating Head should be utilized.