

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. MM-0383161	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR OLEN P. FEATHERSTONE			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 236 Petroleum Building, Roswell, New Mexico, 88201			8. FARM OR LEASE NAME Tenneco Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FWL's and 1980' FWL's, Sec. 31, T 14S, R 35E, N.M.P.M. At proposed prod. zone			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 9 miles northwest of Lovington			10. FIELD AND POOL, OR WILDCAT Undesignated	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			11. SEC. T., R., M., OR BLK. AND SURVEY OR AREA E/2 NW/4 Section 31, Twp. 14 S., Rge. 35 E.	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			12. COUNTY OR PARISH LEA	
16. NO. OF ACRES IN LEASE 1,361.01			13. STATE NEW MEXICO	
17. NO. OF ACRES ASSIGNED TO THIS WELL 80.00			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4057' GR.			22. APPROX. DATE WORK WILL START* Dec. 12, 1967	

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	375'	circulate
11"	8-5/8"	24 & 32#	4,500'	500 sacks
7-7/8"	5-1/2"	17 & 15.5#	10,700'	200 sacks

We propose to drill a 17-1/2" hole from the surface to approximately 375', set 13-3/8" casing and circulate cement. Then drill a 11" hole to approximately 4,500' and set 8-5/8" intermediate casing, which will be cemented with 500 sacks of cement. A 7-7/8" hole will then be drilled to approximately 10,700' to test the Permo-Penn and Pennsylvanian limestone formations. Potentially productive zones will be drillstem-tested.

Logs will be run, and depending upon the results of the drillstem tests and logs, the well will either be plugged and abandoned or completed as a producer.

In the event an attempt is made to complete the well as a producer, 5-1/2" production casing will be run and cemented with 200 sacks of cement. Productive zones will be perforated and washed with HDA acid.

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 Charles W. Hicks TITLE General Manager DATE December 8, 1967
(Charles W. Hicks)

(This space for Federal or State office use)

PERMIT NO. _____

APPROVAL DATE

APPROVED BY _____

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED
DEC 11 1967
A. R. BROWN
DISTRICT ENGINEER

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

**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 C.

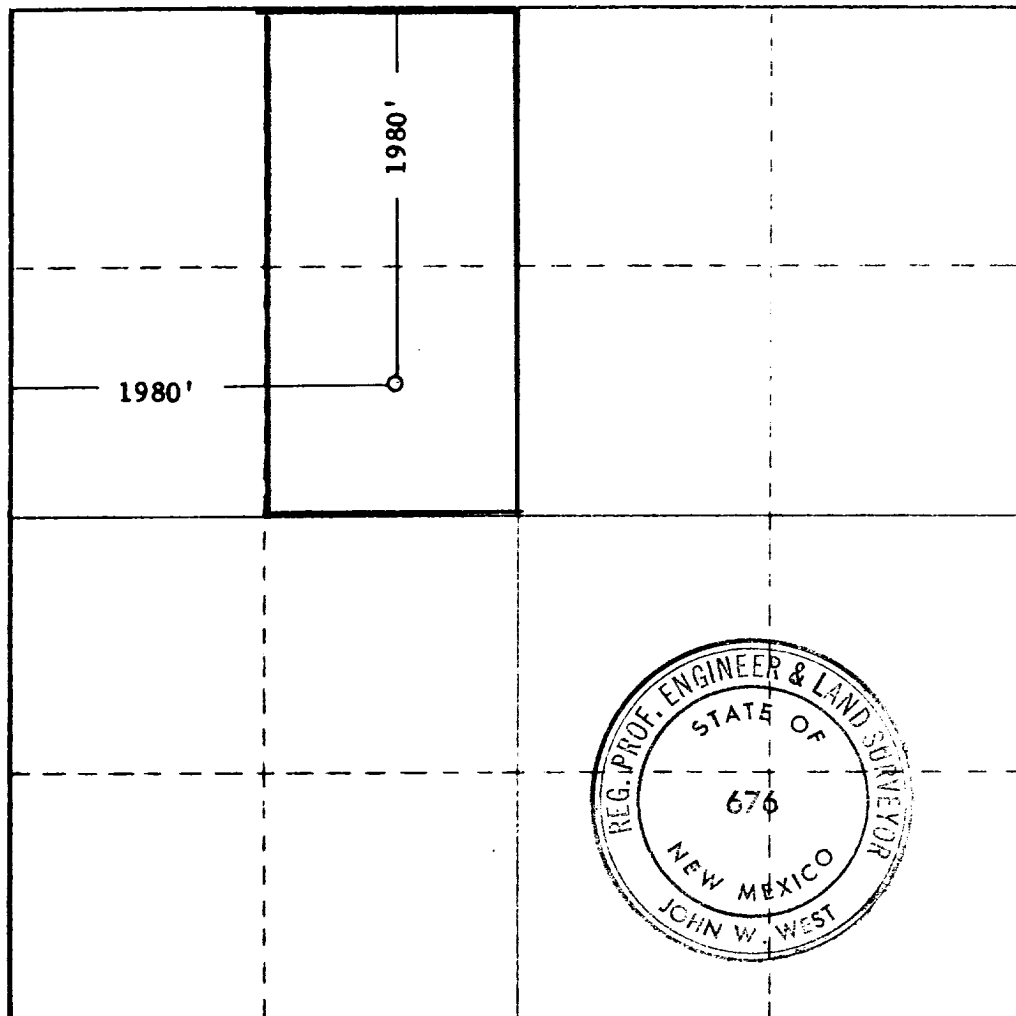
Operator OLEN F. FEATHERSTONE			Lease TENNEGO FEDERAL		Well No. 1
Unit Letter F	Section 31	Township 14 SOUTH	Range 35 EAST	County LEA	
Actual Footage Location of Well:					
1980 feet from the NORTH line and		1980 feet from the WEST line			
Ground Level Elev. 4056.8	Producing Formation Permo-Penn	Pool Undesignated		Dedicated Acreage 80	

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 _____

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.

Charles W. Hicks
Name (Charles W. Hicks)

General Manager

Position

OLEN F. FEATHERSTONE

Company

December 8, 1967

Date

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

DEC. 6, 1967

Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. **676**

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

