

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

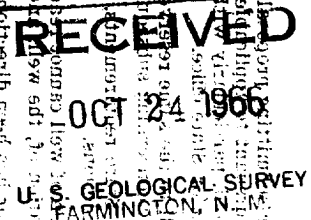
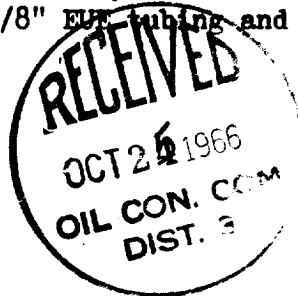
APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. Jicarilla Cont. 108	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Jicarilla, Dulce, New Mex.	
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 1714, Durango, Colorado 81301		8. FARM OR LEASE NAME Jicarilla "C"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1850 FNL 790 FWL At proposed prod. zone Unit Letter "E"		9. WELL NO. No. 8	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Basin Dakota	
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T-26-N, R-5-W	
16. NO. OF ACRES IN LEASE 320		12. COUNTY OR PARISH Bio Arriba	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		13. STATE New Mexico	
20. ROTARY OR CABLE TOOLS Rotary		17. NO. OF ACRES ASSIGNED TO THIS WELL 320 N/2	
22. APPROX. DATE WORK WILL START* October 23, 1966		19. PROPOSED DEPTH 8355	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 7202 GR		20. ROTARY OR CABLE TOOLS Rotary	

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	8-5/8	20 & 24#	400	Cement to surface
7-7/8	4-1/2	10.5 & 11.6#	8355	1st stage 235 ex 2nd stage cement to surface

We plan to drill to approximate T.D. 8355. Run IES & GRD Logs. Run casing as shown above w/stage collar set approximately 300' below bottom of Mesayerde. WOC. Perf and frac and complete. Run 2-3/8" EUE tubing and conduct deliverability tests.



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. Harold C. Nichols
SIGNED Harold C. Nichols TITLE Senior Production Clerk DATE October 19, 1966
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY na TITLE _____
CONDITIONS OF APPROVAL, IF ANY:

6 copies USGS, Frmg., 1 Copy Continental, 1 Copy Atlantic and 1 TOC File

*See Instructions On Reverse Side

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

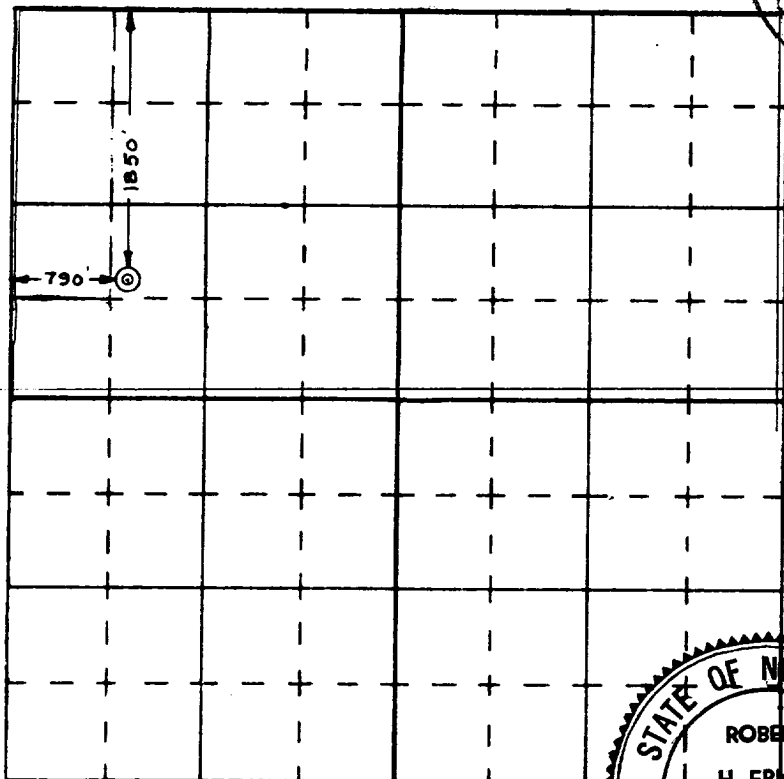
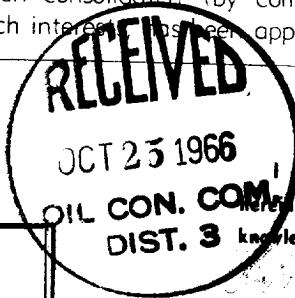
All distances must be from the outer boundaries of the Section

Operator TENNECO OIL COMPANY			Lease JICARILLA "C"		Well No. 8
Unit Letter E	Section 13	Township 26 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well: 1850 feet from the North line and 790 feet from the West line Ground Level Elev. 7202' ungraded Producing Formation Basin Dakota Pool Basin Dakota Dedicated Acreage 1/2 320 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 communization, 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 consolidated. (Use reverse side of this form if necessary.)

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

Name **Harold C. Nichols**
 Position **Senior Production Clerk**
 Company **Tenneco Oil Company**
 Date **October 19, 1966**

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 **2 September 1966**
 Registered Professional Engineer and/or Land Surveyor
Robert H. Ernst
N. Mex. PE & LS No. 2463
 Certificate No. _____

