

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. 45-20025		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME FM-020144		
2. NAME OF OPERATOR PURCO PETROLEUM CORPORATION			7. UNIT AGREEMENT NAME		
3. ADDRESS OF OPERATOR P.O. Box F, Artes, New Mexico			8. FARM OR LEASE NAME Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 990' FWL & 330' PSL, Sec. 9, T27N., R0W., At proposed prod. zone Same			9. WELL NO. 16		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 25 miles East of Alamosa, New Mexico			10. FIELD AND POOL, OR WILDCAT Doris Dakota		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 330'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Unit H, Sec. 9, T27N., R0W.		
16. NO. OF ACRES IN LEASE 318			12. COUNTY OR PARISH San Juan		
17. NO. OF ACRES ASSIGNED TO THIS WELL 318			13. STATE New Mexico		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1160' (P.C.)			20. ROTARY OR CABLE TOOLS Rotary		
19. PROPOSED DEPTH 7300'			22. APPROX. DATE WORK WILL START* June 12, 1967		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6709 Gr.					

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17"	13 3/8"	48.0	± 350'	200 sack
12 1/4"	8 5/8"	24.0	± 3000'	350 sack.
7 5/8"	5 1/2"	15.5	± 730'	400 sack.

IF IT IS PROPOSED TO:

Drill w/mud to intermediate casing depth (3000') - OIL COIL COM.
Gas drill to F.D.
Run GammaRay-Density log.
Cement 5 1/2" casing across Dakota formation and across Mesaverde formation,
through stage collar at 5400'.
Run GammaRay Correlation log.
Perforate and Frac Dakota, set Bridge Plug, Perforate and Frac Mesaverde.
Set production Packer between Zones.
Run 2 3/8" tubing to Packer and 1 1/4" tubing to Mesaverde.

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 [Signature] TITLE Petroleum Engineer DATE June 8, 1967
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

*See Instructions On Reverse Side

RECEIVED
JUN 12 1967
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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

All distances must be from the outer boundaries of the Section

Operator PURCO PETROLEUM CO.			Lease FEDERAL		Well No. 16
Unit Letter M	Section 9	Township 27 N	Range 8 W	County SAN JUAN	
Actual Footage Location of Well: <div style="display: flex; justify-content: space-between;"> 330 feet from the south line and 990 feet from the west line </div>					
Ground Level Elev. 6706	Producing Formation MESAVERDE DAKOTA	Pool BLANCO BASIN	Dedicated Acreage: $W\frac{1}{2}$ 318 A. 318 ($W\frac{1}{2}$) 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 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 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

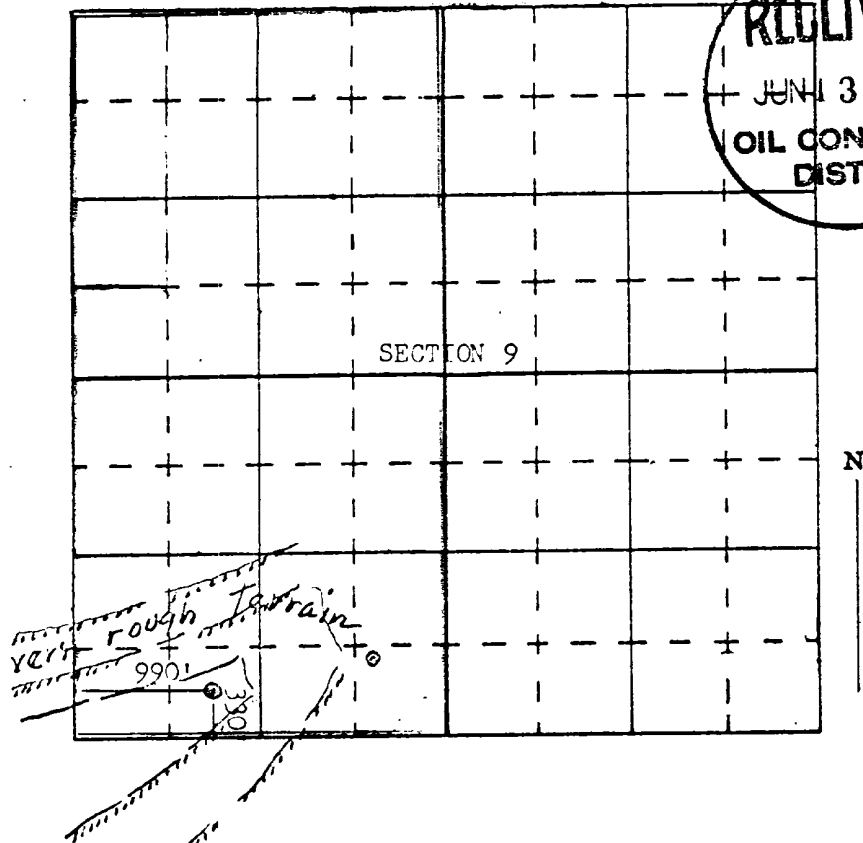
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.



Name Donald C. Walker
 Position Petroleum Engineer
 Company PURCO PETROLEUM CORP.
 Date June 8, 1967

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 June 3, 1967
Stephen H. Kinney
 Registered Professional Engineer
 and/or Land Surveyor



N.M. 803
 Certificate No.