

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. <b>NM 0450847</b>
b. TYPE OF WELL OIL WELL <input 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 <b>PAN AMERICAN PETROLEUM CORP.</b>		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR <b>Box 68, HOBBS, N. M. 88240</b>		8. FARM OR LEASE NAME <b>FEDERAL "A"</b>
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface <b>2300' FSL x 990' FWL, Sec. 13 (UNIT L, NW/4 SW/4)</b> At proposed prod. zone		9. WELL NO. <b>4</b>
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>2 M. N, 1 1/2 M. E, 1 M. So. CROSSROADS, N.M.</b>		10. FIELD AND POOL, OR WILDCAT <b>WILDCAT</b>
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA <b>13-9-35 NMPM</b>
16. NO. OF ACRES IN LEASE <b>560</b>		12. COUNTY OR PARISH <b>LEA</b>
17. NO. OF ACRES ASSIGNED TO THIS WELL <b>40</b>		13. STATE <b>N. M.</b>
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.		20. ROTARY OR CABLE TOOLS <b>ROTARY</b>
21. ELEVATIONS (Show whether DF, RT, GR, etc.)		22. APPROX. DATE WORK WILL START* <b>2-3-65</b>

## 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 #	500'	Circulate
12 1/4"	9 5/8"	32.3 - 40 #	4900'	Circulate
8 3/4"	5 1/2"	15.5 - 20 #	12100'	Sufficient to fill 600' above indicated pays.

It is proposed to drill a 12,100' Silurian formation exploratory well. After drilling well, logs will be run and evaluations made, perforating and stimulating as necessary to attempt commercial production.

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. Original signed by  
V. A. STALEY  
SIGNED \_\_\_\_\_ TITLE AREA SUPT DATE 1-28-65

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

D167-(047)  
044-USGS-Hobbs  
1-JWB  
1-Susp  
1-W S

\*See Instructions On Reverse Side

