

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other Instructions on reverse side)

30-025-30677  
Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/> <b>PLUG BACK</b> <input type="checkbox"/>		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		
2. NAME OF OPERATOR Pacific Enterprises Oil Company (USA)		
3. ADDRESS OF OPERATOR P.O. Box 3083 Midland, Texas 79702		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 330' FSL and 1980' FEL At proposed prod. zone same		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 32 miles NE of Carlsbad and 12 miles south of Maljamar		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)	330	16. NO. OF ACRES IN LEASE 560
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	2970	19. PROPOSED DEPTH 7350
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3647.2' GR		17. NO. OF ACRES ASSIGNED TO THIS WELL 40
		20. ROTARY OR CABLE TOOLS Rotary
		22. APPROX. DATE WORK WILL START* September 20, 1989

5. LEASE DESIGNATION AND SERIAL NO. NM-12413-A
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME McKay Federal
9. WELL NO. 3
10. FIELD AND POOL, OR WILDCAT <i>undesignated</i> West Lusk Delaware
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 10 T19S, R32E
12. COUNTY OR PARISH Lea
13. STATE NM

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	9-5/8	36	850	450 sx <u>circulated</u>
8-3/4	5 1/2	15.5 - 17	7350	1600 sx 2 stage, <u>circulated</u>

Pacific Enterprises Oil Company (USA) proposes to drill and test the Delaware formation and other possible intermediate pay zones. Approximately 850' of 9-5/8" surface casing will be set and cemented to surface. If commercial pay is encountered, 5 1/2" production casing will be run to TD. A stage tool will be used at 3000' or approximately 200' above all lost circulation to ensure cement is circulated to surface.

Mud Program: 0'-850': Fresh water spud mud.

850'-5500': 10# brine w/LCM as needed, 28-30 visc, no W/L control.

5500'-7350': 10# salt gel/starch mud, 34-38 visc, W/L 20 cc or less.

BOP Program: 3000 psi WP double hydraulic BOP on 9-5/8" casing. Pipe rams tested daily; blind rams tested on trips.

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 C. Robert Winkler, Jr. TITLE Operations Engineer DATE 8/24/89

(This space for Federal or State office use)

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

APPROVED BY Orig. Sig. and Stamp of L. Menus AREA MANAGER  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ TITLE CARLSBAD RESOURCE AREA DATE 9-19-89

APPROVED FOR SUBMIT TO  
BUREAU OF LAND MANAGEMENT  
AND  
SPECIAL INSTRUCTIONS  
ATTACHED

\*See Instructions On Reverse Side