

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. LC 029426-B		
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER IN-FILL WELL <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME ---		
2. NAME OF OPERATOR SOCORRO PETROLEUM COMPANY ✓ Ph.505-677-3223			7. UNIT AGREEMENT NAME Keel-West Waterflood Project		
3. ADDRESS AND TELEPHONE NO. P.O. Box 37 Loco Hills, New Mexico 88255			8. FARM OR LEASE NAME, WELL NO. H.E. West "B" No.60		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2625'FNL, 1305'FWL, Sec.10, T.17S., R.31E. At proposed prod. zone Same			9. AP WELL NO. 30-015-27561		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 7.0 Air miles northeast of Loco Hills, New Mexico			10. FIELD AND POOL, OR WILDCAT Grayburg-Jackson Pool		
10. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 2655'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec.10, T.17S., R.31E.		
13. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 933'±			12. COUNTY OR PARISH 13. STATE Eddy N.M.		
16. NO. OF ACRES IN LEASE 1919.88 Ac.			17. NO. OF ACRES ASSIGNED TO THIS WELL 40		
19. PROPOSED DEPTH 4900'			20. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3914.0 GL			22. APPROX. DATE WORK WILL START* As Soon As Possible		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8" J-55	24.0#	560'	460± sx Class C (Circ)
7-7/8"	5-1/2" J-55	17.0#	4900'	1000± sx Class C (See Stipulations)

Propose to drill to about 4900' and complete as an in-fill non-standard Grayburg producer. State approval of the unorthodox location is pending. Set 5-1/2" production casing to TD, cemented with sufficient cement to isolate porous zones. Selectively perforate favorable Grayburg zones.

Run 2-7/8" tubing to perforations and treat formation with 15% HCL. Sand-frac formation and test to tanks.

See attached Drilling Data and Surface Use Plan.

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

Location is
Subject to
Like Approval
by State

10-1
7-23-93
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RECEIVED
JAN 5 9 44 AM '93
CARE AREA

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Jerry W. Long TITLE Permit Agent DATE 1/4/93
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

(ORIG. SGD.) RICHARD L. MANUS AREA MANAGER

JUL 14 1993

APPROVED BY _____ TITLE _____ DATE _____

NSC # 3222

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.