

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. NM-04371-A	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Petroleum Corporation of Texas		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 501 Kermit, Texas 79745		8. FARM OR LEASE NAME Federal "Q"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface 2310' FSL and 2310' FWL At proposed prod. zone Same		9. WELL NO. 2	
10. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 18 miles south of Maljamar, NM		10. FIELD AND POOL, OR WILDCAT Querecho Plains	
11. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 330'		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 22-T18S-R32E	
12. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 467'		12. COUNTY OR PARISH Lea	
13. NO. OF ACRES IN LEASE 280		13. STATE New Mexico	
14. PROPOSED DEPTH 4300'		17. NO. OF ACRES ASSIGNED TO THIS WELL 40	
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* April 4, 1983	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8 5/8"	24#	1200'	800 SX Class "C" circulated
7 7/8"	5 1/2"	15.5#	4300'	450 Sx Class "C"

Propose to drill and test the Queen and intermediate formations with a total depth of 4300'. If well proves commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

BOP Program: A Shaffer LWS series 900 double BOP hydraulic operated, will be installed and tested daily. See Exhibit "E".

Mud Program:

0' - 1200' Fresh water spud mud, Wt. 8.4 - 9.0 ppg, Vis. 32 - 36, No WL control.
1200' - 3850' Brine and native mud, mud wt. 10.0 - 10.2 ppg, Vis. 28, No WL control.
3850' - 4300' Mud up with salt water base, mud wt. 10.1 - 10.2 ppg, Vis. 36 - 38, fluid loss 10 - 15 cc.
See Exhibit "F".

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 George R. Smith Agent for:
TITLE Petroleum Corp. of Texas DATE January 26, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY

FEB - 4 1983

JAMES A. GILLHAM
DISTRICT SUPERVISOR

TITLE

DATE

See Instructions On Reverse Side

RECEIVED
FEB 8 1983
HOBBS OFFICE