

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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-68779
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Marsh Operating Company		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 460, Dallas, TX 75221		8. FARM OR LEASE NAME Federal 31
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 990' FEL - 1650' FSL At proposed prod. zone 990' FEL - 1650' FSL		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 19 air miles Northeast of Roswell, N.M.		10. FIELD AND POOL, OR WILDCAT Pecos Slope Abo
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 990'	16. NO. OF ACRES IN LEASE 160.0	11. SEC., T., E., M., OR BLK. AND SURVEY OR AREA Sec. 31, T-7S, R-25E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 0'	19. PROPOSED DEPTH 4,150'	12. COUNTY OR PARISH Chaves
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3,755' GL		13. STATE N.M.
20. ROTARY OR CABLE TOOLS Rotary		17. NO. OF ACRES ASSIGNED TO THIS WELL 160.0
22. APPROX. DATE WORK WILL START* 3-1-92		20. ROTARY OR CABLE TOOLS Rotary

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0 K-55	+ 900'	+ 650 SX to surface
7 7/8"	4 1/2"	10.5 K-55	TD	+ 300 SX to top of Abo

Marsh Operating proposes to drill and test the Abo Formation. Approximately 900' of surface casing will be set and cemented to surface. If commercial, 4 1/2" production casing will be run and cemented with adequate cover. The well will be perforated and stimulated as needed for production.

Part ID-1
3-27-92
New Log & API

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.

SIGNED [Signature] TITLE Representative DATE 2-14-92

(This space for Federal or State office use)

PERMIT NO. [Signature] APPROVAL DATE

APPROVED BY [Signature] TITLE Asst Area Manager DATE 3/23/92

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side