

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-22643	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" 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 Gulf Oil Corporation			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 670- Hobbs, New Mexico 88240			8. FARM OR LEASE NAME Landsdale "D" Federal Com	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FSL & 660' FEL At proposed prod. zone			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approx. 34 miles west of Hobbs, New Mexico			10. FIELD AND ZONE, OR WILDCAT UNDESIGNATED North Lusk Morrow (N/D)	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 4, T19S, R32E	
16. NO. OF ACRES IN LEASE 280			12. COUNTY OR PARISH Lea	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			13. STATE New Mexico	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3666' GL			22. APPROX. DATE WORK WILL START* March 15, 1979	

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#	400'	475 sx - Circulate
12 1/4"	8-5/8"	24# & 32#	4,200'	900 sx - Circulate
7-7/8"	5-1/2"	17#	13,100'	TOC @ 9500' - to be determined by caliper survey

Note: See Attached BOP Drawing No. 4

Circulating Media: 0' - 400'
400' - 4,200'
4,200' - 10,300'
10,300' - 13,100'Fresh water spud mud;
Saturated salt water;
Brackish water;
Salt water polymer with the following properties:
Viscosity, 34-38 seconds; water loss, 10cc's or
less; weight, 9.5-10.0 ppg
Note: Heavier weight mud will be used if required
by well conditions.

RECEIVED

FEB 6 1979

U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO

Gas is not dedicated

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 L. C. Anderson TITLE Area Production Manager DATE February 5, 1979
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____APPROVED
AS AMENDEDFEB 20 1979
JAMES F. SIMS
DISTRICT ENGINEER

*See Instructions On Reverse Side