

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.
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"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Gulf Oil Corporation		7. UNIT AGREEMENT NAME West Brunson Federal
3. ADDRESS OF OPERATOR Box 670, Hobbs, New Mexico 88240		8. FARM OR LEASE NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 1980' FEL, Section 19, 21-S, 37-E At proposed prod. zone		9. WELL NO. 1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*		10. FIELD AND POOL, OR WILDCAT Wildcat
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)	16. NO. OF ACRES IN LEASE 960	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 19, 21-S, 37-E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 9,000'	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3507' GL	17. NO. OF ACRES ASSIGNED TO THIS WELL 40	13. STATE N. M.
20. ROTARY OR CABLE TOOLS Rotary		22. APPROX. DATE WORK WILL START* As soon as Approved

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" H-40	48#	400'	Circulate
12-1/4"	9-5/8" K-55	36#	2800'	Circulate
8-3/4"	5-1/2" K-55	15.5#	9000'	1000 sacks

BOP: See Drawing No. 3 Attached.

Mud Program: 0' to 400' fresh water spud mud; 400' to 2800' saturated salt water; 2800' to 6500' brackish water; 6500' to 9000' salt water polymer with the following properties: Viscosity 32-37 sec.; water loss 20cc or less, weight 9.0 to 9.5 and 4% KCL. Heavier mud will be used if required by well conditions.

EXPIRATION 7-6-77

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 [Signature] TITLE Area Production Manager DATE March 4, 1977
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____
CONDITIONS OF APPROVAL, IF ANY: _____

"APPROVAL TO FLARE GRANTED
WHILE DRILLING AND TESTING."

*See Instructions On Reverse Side

