

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. LC 063623
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Brazos Petroleum Company		8. FARM OR LEASE NAME Kringel Federal
3. ADDRESS OF OPERATOR 708 Petroleum Bldg. - Midland, Texas 79701		9. WELL NO.
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FEL & 1980' FSL Sec. 31, T-9-S, R-38-E At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT Sawyer (San Andres)
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 16 Miles East of Crossroads, New Mexico		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 31, T-9-S, R-38-E
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1650'	16. NO. OF ACRES IN LEASE 640	12. COUNTY OR PARISH Lea
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. Approx. 1450' S.E.	19. PROPOSED DEPTH 5100'	13. STATE N.M.
20. ROTARY OR CABLE TOOLS Rotary		17. NO. OF ACRES ASSIGNED TO THIS WELL 160
21. ELEVATIONS (Show whether DF, RT, GR, etc.)		22. APPROX. DATE WORK WILL START* August 20, 1981

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#	420' +	275 sx; Circ. to Surface
7 7/8"	4 1/2"	10.5#	5100' +	1100 sx; Circ. to Surface

BOP: 8" API Series 900, Dual preventers, 3000 psi working pressure

NOTE: Dyco- Union Federal #2 Well in SE SE Sec. 31, T-9-S, R-38-E, will be plugged and abandoned by Brazos Petroleum Co. in accordance with USGS and NMOCC rules and regulations before production is commenced from this applied for well.

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 James R. Stewart TITLE Agent DATE 7-21-81
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY George H. Stewart TITLE _____ DATE 9-4-81
CONDITIONS OF APPROVAL, IF ANY: