

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 type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input checked="" type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-0554771
B. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input 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 J.C. Williamson			7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR P.O. Box 16 Midland, Texas 79702			8. FARM OR LEASE NAME T.O.G. Federal
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface At proposed prod. zone 1980' FNL & 660' FWL			9. WELL NO. 4
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 13 miles NE of Carlsbad, NM			10. FIELD AND POOL, OR WILDCAT East Burton Delaware
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16-20S-29E
16. NO. OF ACRES IN LEASE 640			12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 40			13. STATE New Mexico
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2740'			20. ROTARY OR CABLE TOOL Plug-back
19. PROPOSED DEPTH PBSD 3350'			22. APPROX. DATE WORK WILL START* 05/24/90
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3270' GR			

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
15"	13-3/8" ★	48#	576'	circ. w/650 sx
12-1/4"	8-5/8" ★	24# & 32#	3109'	circ. w/1900 sx
7-7/8"	5-1/2" ★	15.5#	5076'	tie back w/800 sx

Plan is to set cast iron Bridge Plug @ 3350' with 35' cement on top.
Perfs from 3041-3169' with 10 shots.

Verbal approval per telecon 05/23/90, Shannon Shaw with BLM.

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 Production DATE 05/23/90

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE PERMITS UNIT CHIEF DATE 5-29-90

CONDITIONS OF APPROVAL, IF ANY: