

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input type="checkbox"/> RE-ENTRY <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM 17096 NM-17096		
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME None		
2. NAME OF OPERATOR D. W. Underwood & J. C. Williamson ✓			7. UNIT AGREEMENT NAME None		
3. ADDRESS OF OPERATOR Box 16, Midland, Texas 79701			8. FARM OR LEASE NAME Shell Federal		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980 FNL & 660 FWL of Section 1 At proposed prod. zone Lower Morrow & Atoka			9. WELL NO. #1		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 12 miles NE of Carlsbad, New Mexico			10. FIELD AND POOL, OR WILDCAT Winchester, Wolfcamp Atoka Morrow		
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. 1, T20S, R28E		
16. NO. OF ACRES IN LEASE 640			12. COUNTY OR PARISH Eddy		
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. 11,250			14. ROTARY OR CABLE TOOLS Rotary		
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3272' Gr.			22. APPROX. DATE WORK WILL START* May 15, 1974		

PROPOSED CASING AND CEMENTING PROGRAM*

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	13-3/8"	42		
	9-5/8"	36	2880	
8-3/4"	4 1/2"			

Blowout Equipment:

1500 Series double Ram Hydrolic
1500 Series Hydrill and Choke Manifold

This well was drilled to a depth of 11,375' and was plugged and abandoned. We propose to re-enter and drill out cement plugs down to a depth of 11,250' and set 4 1/2" casing. Will test the Upper and Lower Morrow and the Atoka.

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 J. C. Williamson TITLE Partner DATE April 8, 1974
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE APR 15 1974
APPROVED BY [Signature] TITLE DISTRICT ENGINEER DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____