

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 checked="" type="checkbox"/> DEEPEN <input checked="" type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. NM-84711	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Newbourne Oil Company			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 5270 Hobbs, New Mexico 88241			8. FARM OR LEASE NAME Federal "Z" Corn. (S)	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1980' FNL & 660' FEL At proposed prod. zone Same			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 7 miles north of Carlsbad, New Mexico			10. FIELD AND POOL, OR WILDCAT Avalon Morrow	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 660'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 29-T20S-R27E	
16. NO. OF ACRES IN LEASE 320			12. COUNTY OR PARISH Eddy	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320			13. STATE N.M.	
18. PROPOSED DEPTH 11,000'			14. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3196' GR			22. APPROX. DATE WORK WILL START Upon BLM approval	

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#	500'±	500 sks. Class "C" circulated
12-1/4"	8-5/8"	24# & 32#	2350'±	1000 sks. Class "C" tie back
7-7/8"	5-1/2"	17# & 20#	11000'±	into surface casing. 800 sks. Class "H" (See Steps)

Mud Program:

0' - 500' Spud mud w/fresh water gel & lime. LCM as needed.  
500' - 2350' Fresh water mud w/gel & lime. LCM as needed.  
2350' - 10000' Cut brine w/salt gel & lime. Wt. 9.0# - 9.5#. WL - NC.  
10000' - 11000' Cut brine w/Drispac, salt gel & lime. Wt. 9.0# - 9.5#. WL 0 - 5 cc.  
Vis. 32 - 40.

BOP Program:

BOP w/hydril on 13-3/8" surface casing and tested. Pipe rams worked daily, blind rams on trips. Yellow jacket prior to drilling Wolfcamp.

Gas 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 W.H. Cravey TITLE District Supt. DATE 08/13/90  
(This space for Federal or State office use)

PERMIT NO.                      APPROVAL DATE                       
APPROVED BY Richard L. Mann TITLE                      DATE 9-12-90  
CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.