

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TWO COPIES\*  
(Other instructions on reverse side)

Form approved.  
Budget Bureau No. 1004-0136  
Expires August 31, 1985

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. Federal NM 0450847
b. TYPE OF WELL OIL WELL <input 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 APOLLO ENERGY, INC.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR PO BOX 5315, HOBBS NEW MEXICO 88241		8. FARM OR LEASE NAME Federal A 13
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface Unit M, 990 FSL & 660' FWL At proposed prod. zone same		9. WELL NO. 2
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 1 mile NE of Crossroads, New Mexico		10. FIELD AND POOL, OR WILDCAT Bough San Andres (Gas)
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) Unit M 990' FSL & 660' FWL	16. NO. OF ACRES IN LEASE 560	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 13, T-9S, R-35E
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 9604	12. COUNTY OR PARISH Lea
21. ELEVATIONS (Show whether DF, RT, GR, etc.) DF 4124 GL4114 KB 4126		13. STATE NM
22. APPROX. DATE WORK WILL START* June 10, 1986		

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	10 3/4"	32.75	434'	400 SXS
9 1/2"	7 5/8"	24 & 26.4	4160'	1800 SXS
7 5/8"	5 1/2"	17	9600+	460 SXS

1. Move in, rig up, pull rods and pump.
2. Install BOP & test for effectiveness.
3. Pull tubing.
4. Set BP @ 9590'. Dump 2 sxs of cement.
5. Fill hole w/ inhibited mud.
6. Set BP @ 4900'.
7. Perf. 1 spf 4758'-4774'  
4780'-4794'  
4805'-4830'
8. Run tbg & pkr. Swab test.
9. If necessary, acidize w/ 1000 gals 15% NEFE w/ ball sealers.
10. Swab test and return to production.

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 PRESIDENT DATE MAY 14, 1986  
(This space for Federal or State office use)

PERMIT NO. Orig. 3160-3, 1983 APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE 5 20 86  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*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.

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MAY 22 1986  
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HCRS Office