

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NOTICE: RECEIVED
OFFICE FOR MR.
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Instructions on
reverse side)

30-025-3070.3
BLM Rowell District
Modified Form No.
BMD60-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☒ DEEPEN ☐ PLUG BACK ☐		5. LEASE DESIGNATION AND SERIAL NO. LC-032326 -A	
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Doyle Hartman		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P. O. Box 10426, Midland, Texas 79702		8. FARM OR LEASE NAME Jack "A-20"	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2180' FSL & 1980' FEL (J) Section 20 At proposed prod. zone Same		9. WELL NO. 11	
11. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5.3 miles north and .625 miles east of Jal, New Mexico		10. FIELD AND FOOT, OR WILDCAT Jalmat (Tansil-Yates-Seven Rivers) (Gas)	
12. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR AFFILIATED FOR, ON THIS LEASE, FT. 660 feet		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 20, T-24-S, R-37-E NMPM	
13. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR AFFILIATED FOR, ON THIS LEASE, FT. 200 feet		12. COUNTY OR PARISH Lea	
14. ELEVATION (Show whether DF, RT, GR, etc.) 3265.5 G.L.		13. STATE New Mexico	
15. NO. OF ACRES IN LEASE 320		14. APPROX. DATE WORK WILL START* October 9, 1989 ASAP	
16. PROPOSED DEPTH 3500			
17. ROTARY OR CABLE TOOL Rotary			
23. PROPOSED CASING AND CEMENTING PROGRAM			

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4	9-5/8"	36	J-55	ST&C 8RD	450	300 (circ.)
8-3/4	7"	26	K-55	LT&C 8RD	3500	700 (circ.)

Before drilling out from under the surface pipe, the well will be equipped with a 3000 psig 10-inch series 900 double ram hydraulic BOP. For other necessary BOP data required with this ADP, see attached Drilling Prognosis.

Proposed Cementing Detail - Note quantities listed are tentative as based upon previously drilled wells in the area but may be adjusted as indicated by actual drilling conditions and open hole caliper logs.

9-5/8" Casing - 300 sacks API Class "C" premixed with 2% CaCl. Circulated to surface. Minimum time W.O.C. 18 hours to achieve 500 psi compressive strength.

7" Casing - 450 sacks API Class "C" premixed containing 3% Econolite and 5 lb/sx Gilsonite and 1/2 lb/sx Flocele and tail-in with 250 sacks API 50/50 Pozmix A - Class C containing 2% gel, 18% salt and 1/4 lb/sx Flocele circulated to surface.

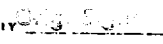
At this time, it is our plan to market the gas produced from the Jack "A-20" #11 well under short-term market-sensitive sales arrangements with the gas to be gathered and processed through NNG's Lea County gathering and processing system.

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.

SIGNED  TITLE Engineer DATE 9-21-89

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY  TITLE _____ DATE 10/12/89

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO

GENERAL REQUIREMENTS AND

SPECIAL STIPULATIONS

ATTACHED.

*See Instructions On Reverse Side

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OCT 13 1989

**OCD
HOBBS OFFICE**