Please do not release information.

Form approved
Budget Bureau No. 42-R1425

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. LEASE DESIGNATION AND SERIAL NO.: NEM. 0554910

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Federal

7. UNIT AGREEMENT NAME: None

8. FARM OR LEASE NAME: ~~Horace F. McKay~~ PAM

9. WELL NO.: 1-4 Pam

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 660 fnl, 660 fel Sec. 3, T. 20N, R. 3W

12. COUNTY OR PARISH: Sandoval, New Mexico

1a. TYPE OF WORK: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] OTHER Wildcat SINGLE ZONE [X] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Horace F. McKay, Jr.

3. ADDRESS OF OPERATOR: 800 Lomas Linda Place, S. E., Albuquerque, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 660 fnl, 660 fel, Section 3, Township 20 North, Range 3 West, Sandoval County, New Mexico
At proposed prod. zone: Same as above

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 10 miles west & south of Cuba, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. line, if any): 990 feet

16. NO. OF ACRES IN LEASE: 160

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160 Acres

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: None

19. PROPOSED DEPTH: 3000' M.V.

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 7005' GR

22. APPROX. DATE WORK WILL START*: May 15, 1965

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
10 3/4	9 5/8	24.0	60	40 sacks
6 3/4	4 1/2	9.5	3000	40 sacks

Plan to set 60 feet of surface casing and drill with mud thru the Point Lookout sandstone, Mesaverde formation. Will drill into the sandstone and test this formation for oil or gas. If production is encountered plan to run 4.5" to total depth and cement with 40 sacks. Will complete by perforating and fracturing.

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MAY 14 1965
OIL CON. COM.
DIST. 3

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MAY 1 1965
U.S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

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: _____ DATE: _____

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side