

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

(Other instructions on reverse side)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [ ], DEEPEN [ ], PLUG BACK [X]
b. TYPE OF WELL: OIL WELL [ ], GAS WELL [X], OTHER [ ], SINGLE ZONE [X], MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: HIXON DEVELOPMENT COMPANY

3. ADDRESS OF OPERATOR: %Earth Sciences Company 500 Bank of the Southwest, Amarillo, Tex

4. LOCATION OF WELL: At surface 660' FWL, 1980' FNL Sec. 7 T25N R12W
At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*: 24 Miles south of Farmington, New Mexico

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 660'
16. NO. OF ACRES IN LEASE 1673.07

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 1900' (Abdn.)
19. PROPOSED DEPTH 1450'
20. ROTARY OR CABLE TOOLS Workover Unit

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6290.35' GL. 6302.75' RT
22. APPROX. DATE WORK WILL START\* 9/8/75

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Row 1: 7-7/8", 5-1/2", 15.5#, 1450', 250 sx

It is proposed that the 5 1/2" casing be shot off & pulled from 1500', that a 50 sack cement plug be spotted in and out of the casing from 1450' to 1550'. The hole will be cleaned out to 1450' using 7-7/8" bit. Casing will then be run to 1450' and conventionally cemented for production test. Formation will be perforated and tested from 1330 to 1345' KB, acidized and tested.

In the alternative, if casing is not free to a depth of at least 1500', it is proposed that a cast iron bridge plug be set at 2100' and the zone 1330 to 1345 be block squeezed, perforated, acidized and tested. The zone to be tested is undesignated Mesa Verde sand.

Present completed zone is Lower Gallup sand at 4875-4962 KB and is not currently producing.

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 Agent DATE 9/3/75

(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

5. LEASE DESIGNATION AND SERIAL NO. SF 078056
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME Federal "C"
9. WELL NO. 2
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA 7 25N 12W
12. COUNTY OR PARISH San Juan
13. STATE New Mexico

