

11-233

Form 9-231 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☐

DEEPEN ☐

PLUG BACK ☒

b. TYPE OF WELL

OIL
WELL ☒

GAS
WELL ☐

OTHER

SINGLE
ZONE ☒

MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

HIXON DEVELOPMENT COMPANY

3. ADDRESS OF OPERATOR % Earth Sciences Company

510 Bank of the Southwest, Amarillo, Texas 79109

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*

At surface
660' FNL 660' FEL Sec. 17

At proposed prod. zone

Lower Gallup

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

23 Miles south of Farmington, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

660'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

2310'

16. NO. OF ACRES IN LEASE

280

19. PROPOSED DEPTH

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

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

6240 DF 6228 GR

22. APPROX. DATE WORK WILL START*

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 1/2"	7"	20-23#	4915	175 sacks
13-3/8"	9-5/8"	32.30#	240	200 sacks

This well was drilled to 5950' and 4 1/2" casing was set at 5948' and cemented with 110 sacks and the Dakota formation was tested and proved to carry only water. There was placed 25 sacks cement plug 5653 to 5441 and the 4 1/2" casing was cut off at 4720' and pulled.

It is our plans to test the Fruitland or Picture Cliff formation from 1,106' to 1,118' on this well. In testing this formation we proposed to place a cement plug in the 7" casing from 4720' to 4600' and cement plug from 3700' to 3775' and cut off the 7" casing above 3700' and pull. To recondition the hole to a depth of 1200', rerun the 7" casing to 1200' and cement to the bottom of the 9-5/8" casing. Perforate the Fruitland or Picture Cliff and test.

Plug in top of 7" stub - 50' in and 100' out.
Plug in open hole 1400' to 1550'

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

TITLE

Geologist

DATE

2/17/75

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FEB 20 1975

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY