

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

Walter Duncan

3. ADDRESS OF OPERATOR

1800 Security Life Bldg., Denver, Colo. 80202

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

At surface

At proposed prod. zone

1000' fsl 1710' fel

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

Approx. 6 miles East of Shiprock, N. M.

15. DISTANCE FROM PROPOSED*

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

390'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

19. PROPOSED DEPTH

680'

20. ROTARY OR CABLE TOOLS

XXXXXXX CT to 30' - Rotary-TD

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

4980' Gr.

22. APPROX. DATE WORK WILL START*

12/15/70

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
6 1/4"	7"	20#	30'	Driven
	4 1/2"	9.5#	670'	50 sz.



Surface hole will be spudded with cable tools and 7" csg. driven through boulders to approx. 30'. A 6 1/4" hole will then be drilled to the top of the Dakota formation - approx. 670' and 4 1/2" csg. run and cemented.

The Dakota will then be tested by drilling in with air.

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.

Original signed by

SIGNED

Jim L. Jacobs

TITLE

Agent

DATE

12/14/70

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED

DEC 15 1970

U. S. GEOLOGICAL SURVEY

*See Instructions On Reverse Side