

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

M. R. Schalk

3. ADDRESS OF OPERATOR

P. O. Box 25825 / Albuquerque, NM 87125

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

At surface

950' FSL; 800' FWL

At proposed prod. zone

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

55 miles east of Blanco, NM

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

640

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.)

7322 GR

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT

Well drilled to T.D. (6592') on 8/6/82. Perforated between 6109' and 6209' with 1 shot/foot. We used versagel frac to complete the well in the Mesa Verde Formation. Due to the large volume of water encountered in the zone, it was determined to be impossible to produce the well.

We intend to set a bridge plug between the Mesa Verde & Picture Cliffs formations and complete the well in the Picture Cliffs formation.

It is recommended that after a cement plug is set, it be cemented in place above the mesa verde, within 10 feet of the top.

If a bridge plug is used, it must be capped with cement.

The cement cap must be the greater of 35 feet or 5 sacks of cement if placed by dump boiler or, 25 sacks if spotted by tubing. If a cement plug is used it must be the greater of 100 feet or 25 sacks of cement.

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

Agent

DATE

9/29/82

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

NMCC

5. LEASE DESIGNATION AND SERIAL NO.
NM 18322

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Schalk 29-4

9. WELL NO.

10

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec. 23, T-29N, R-4W

12. COUNTY OR PARISH 13. STATE

22. APPROX. DATE WORK WILL START*

Nov. 1982

OCT 6 1982

OIL & GAS

QUANTITY OF CEMENT

DIST. 3

APPROVED
AS AMENDED

OCT 04 1982

For JAMES F. SIMS
DISTRICT ENGINEER