

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
 Mesa Grande Resources, Inc.

3. ADDRESS OF OPERATOR
 1200 Philtower Building, Tulsa, Oklahoma 74103

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
 At surface 1652.23' FNL and 975.46' FWL of Sec. 32-T23N-R1W
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 Approximately one mile from Regina, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)
 975.56 ft. from Fed. NM 19147

16. NO. OF ACRES IN LEASE
 582.88

17. NO. OF ACRES ASSIGNED TO THIS WELL
 320

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.
 PB 4650

19. PROPOSED DEPTH
 PB 4650

20. ROTARY OR CABLE TOOLS
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 7438.00 GR

22. APPROX. DATE WORK WILL START*
 October 15, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
	8 5/8 4 1/2"	20 lb 10.5	4650	450 sacks (60 cu ft)

Will cement bridge plug as 4650 feet and attempt single zone completion in the Pictured Cliffs formation.

plug from 4650 to 4465

5. LEASE DESIGNATION AND SERIAL NO.
 NM 18455

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
 BLM Land/Fee Surface

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
 Federal

9. WELL NO.
 Atencio #1

10. FIELD AND POOL, OR WINDCAT
~~Wildcat~~ S. Blaine PC

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 32-T23N-R1W

12. COUNTY OR PARISH
 Sandoval

13. STATE
 New Mexico

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 blow-out preventer program, if any.

24. SIGNED E. Alex Phillips TITLE President DATE October 4, 1983
 (This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY:

NMOCC

APPROVED
 AS AMENDED
 OCT 19 1983
 M. MILLENBACH
 AREA MANAGER

OIL CON. DIST. 3