

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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OF COPIES REQUIRED
(Other instructions on
reverse side)

BLM Roswell District
Modified Form No.
NM060-3160-2

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL ☐ DEEPEN ☐ PLUG BACK ☒		5. LEASE DESIGNATION AND SERIAL NO. NM 19423
b. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER ☐		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR Murchison Oil and Gas, Inc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1445 Ross Avenue, LB 152, Dallas, TX 75202-2733		8. FARM OR LEASE NAME White City Fed 10 Com
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 1650' FNL & FEL Sec 10 T25S R26E Eddy County, NM At proposed prod. zone Same as surface		9. WELL NO. #1
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE 18 miles south of Carlsbad, New Mexico		10. FIELD AND POOL, OR WILDCAT White City Penn
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. 1650' (Also to nearest drilg. unit line, if any)		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec 10 T25S R26E
16. NO. OF ACRES IN LEASE 640		12. COUNTY OR PARISH Eddy
17. NO. OF ACRES ASSIGNED TO THIS WELL 640		13. STATE New Mexico
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. One Well on Lease		14. ROTARY OR CABLE TOOLS Rotary
19. PROPOSED DEPTH 12006 TD		20. APPROX. DATE WORK WILL START* October 22, 1990
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3384 GL		

23. Existing PERMIT CASING AND CEMENTING PROGRAM						
HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
9 1/2	7 5/8"	26.4 & 29.7#/ft.	S-25 & N-80	LT & C	8545	550 SX
6 1/2	5"	28, 18 & 15#/ft.	N-80	LT & C	8214-12006	525 SX

Propose to plug back lowest set of open perforations @ 10978-10988' by setting CIBP @ 10975' and dump 35' of cement on top of CIBP. Estimated plug back depth to be 10940'. Also plan to re-perforate Atoka zone from 10798-10804' with four shots per foot and acidize with 2500 gal 10% HCL if necessary.

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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 Michael S. Naughton TITLE Production Manager DATE 10/19/90
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE 10/19/90
CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side