

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☐GAS
WELL ☒

OTHER

SINGLE
ZONE ☒MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

MURCHISON OIL & GAS, INC. 15363

3. ADDRESS AND TELEPHONE NO.

1445 ROSS AVE., STE. 5300, LB 152, DALLAS, TX. 75202-2883

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

At surface

790' FNL & 660' FWL NWNW (D)

At proposed prod. zone

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

7 MILES SOUTHEAST FROM ARTESIA, NM.

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.

2600'

16. NO. OF ACRES IN LEASE

600

19. PROPOSED DEPTH

9600'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320 (2nd Optional)

20. ROTARY OR CABLE TOOLS

ROTARY

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

3487' CR

22. APPROX. DATE WORK WILL START*

10/15/99

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | GRADE, SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|-----------------------|-----------------|---------------|--------------------------|
| 17 1/2" | 13 3/8 H-40 | 48# | 150 400 | 420 SX - CIRCULATE |
| 12 1/4" | 8 5/8 K-55 | 32# | 1800 | 515 SX - CIRCULATE |
| 7 7/8" | 5 1/2 N-80-S95 | 17# | 9600 | 640 SX - EST TOP @ 6500' |

IT IS PROPOSED TO DRILL THIS WELL TO A TD OF 9600' AND TEST THE MORROW FORMATION

THE BLOWOUT PREVENTION PROGRAM IS AS FOLLOWS:

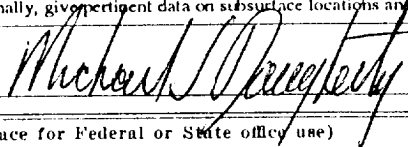
- 1) ONE SET OF DRILL PIPE RAMS (5M)
- 2) ONE SET OF BLIND RAMS (5M)
- 3) ONE SET OF HYDRIL (3M)

Post TD-1
10-22-99
API & Lee

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 prevention program, if any.

24.

SIGNED



TITLE VICE PRESIDENT OPERATIONS

DATE

7/3/99

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

Acting

Assistant Field Office Manager.
Lands and Minerals

APPROVED BY

CLARENCE D. BRAY

TITLE

DATE

OCT 12 1999

*See Instructions On Reverse Side

RECEIVED

SEP 07 1999

LIBRARY
CONGRESS