

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved. 26184
Budget Bureau No. 1004-0136
Expires August 31, 1985

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

reentry

SINGLE ZONE ☐

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

MURPHY OPERATING CORPORATION

3. ADDRESS OF OPERATOR

P. O. Drawer 2648, Roswell, New Mexico 88202-2648

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

At surface 1980' FNL and 660' FWL

At proposed prod. zone
same as above

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

14 miles southeast of Maljamar, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT. 660'

(Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

328.84

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. 1320'

19. PROPOSED DEPTH

10,688'

20. ROTARY OR CABLE TOOLS

rotary

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

3659.4' G.R.

22. APPROX. DATE WORK WILL START*

June 11, 1986

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48	509.5'	335 sx. Lt. POZ 150 sx. "C"
12-1/4"	8-5/8"	24-28	5104'	1800 sx. Lt. & 500 sx. "C"
7-7/8"	new 5-1/2"	15.5 or 17	5207'	amt. necessary to bring TOC 200' into 8-5/8" csg.
7-7/8"	existing 5-1/2"	17#	5207' to 13,800'	225 sx. Class "H"

This well was originally drilled to a total depth of 13,800' in January - March 1979 by Inexco Oil Company. The well was plugged in September 1983. It is proposed that the well be reentered and the cement plugs, as outlined and shown on Exhibits "E" and "F" respectfully, be drilled out to the top of the cement above the CIBP set at approximately 10,688'. Approximately 5207' of 5-1/2" will be tied into the top of the existing 5-1/2" casing at approximately 5207'. A cement squeeze with amounts sufficient to bring the top of the cement at least 200' into the 8-5/8" casing will be performed. An additional cement squeeze will be done to isolate the Bone Spring Sandstone from approximately 8500'-9500'. The pay zone(s) will be selectively perforated and stimulated for optimum production. Attached are:

- (1) Well Location and Acreage Dedication Plat
- (2) Supplemental Drilling Data
- (3) Surface Use Plan

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

Mark B. Murphy

TITLE President

DATE May 21, 1986

(This space for Federal or State office use)

PERMIT NO.

Original Order 3. 11. 1986

APPROVAL DATE

APPROVED BY

TITLE

DATE

6/3/86

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS

*See Instructions On Reverse Side