

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

Chi Operating, Inc.

16. Area Code & Phone No.  
(915) 685-5001

3. ADDRESS OF OPERATOR

P. O. Box 1799

Midland, Texas 79702

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

At surface

1980' FSL & 660' FEL

990'

At proposed prod. zone

Same

UNIT P

O.C.D.

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

11 miles NE of Carlsbad, NM

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

160

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.

N/A

19. PROPOSED DEPTH

8000'

20. ROTARY OR CABLE TOOLS

Rotary

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

3277'

3283'

GL

532

22. APPROX. DATE WORK WILL START\*

December 22, 1992

PROPOSED CASING AND CEMENTING PROGRAM

HOLE SIZE	CASING SIZE	WEIGHT/FOOT	GRADE	THREAD TYPE	SETTING DEPTH	QUANTITY OF CEMENT
17 1/2"	13 3/8"	48.0#	J-55 H40	STC	400'	Circ 400 sx C
7 7/8"	5 1/2"	15.5#	J-55	LTC	8000'	1660 sx C & H
NOTE: If drilling conditions dictate, will ream out with 11" and run following program:						
11"	8 5/8"	24.0#	J-55	LTC	3000'	Circ 635 sx C
7 7/8"	5 1/2"	15.5#	J-55	LTC	8000'	535 sx C tieback

Mud Program:

0' - 400': Fresh water gel spud mud:

Mud Wt.

8.4- 9.0 ppg

Vis.

32-38

W/L Control

No W/L cont.

400' - 6500': Cut brine w/gel & lime:

9.0- 9.2 ppg

28-30

No W/L cont.

6500' - 8000': Cut Brine w/gel & starch:

9.0- 9.3 ppg

29-31

W/L cont. 10cc

PH = 10 in fresh water mud and 9.5-10.5 in brine mud.

BOP Program:

A 5000 psi wp 11" Schaffer Type LWS BOP, with a 5000 psi wp 11" GK Hydril, will be installed on the 13 3/8" casing. Casing and BOP will be tested before drilling out with 7 7/8". BOP will be used as a 3000 psi wp system and will be tested daily. See exhibit "E".

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.

Agent for:

Chi Operating, Inc.

Dec. 8, 1992

SIGNED

TITLE

DATE

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS

\*See Instructions On Reverse Side

ATTACHED U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the