

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

MOBIL PRODUCING TX. & N.M. INC.

3. ADDRESS OF OPERATOR

NINE GREENWAY PLAZA, SUITE 2700, HOUSTON, TX 77046

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

At surface

660' FNL & 1980' FWL, SEC. 18, T21S R27E

At proposed prod. zone

Same As Surface

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

5.1 miles North of Carlsbad, NM

16. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

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

660

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,

OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

314.12

19. PROPOSED DEPTH

5065'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

160

20. ROTARY OR CABLE TOOLS

ROTARY

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

3208 GL

22. APPROX. DATE WORK WILL START*

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"	42#	0-600'	1940 SACKS CLASS H
11"	8-5/8"	32#	0-2600'	3375 Sacks Class C
7-7/8"	5-1/2"	17#	0-11,500'	1100 Sacks TILW + 250 Sacks Class H

Well #2 is currently completed in the Morrow Zone, which is essentially depleted,
Kill Well w/ 2% KCL Water. POH w/ production string.

Set plug in permanent packer at 11,040' and cap with 50' Class C neat cement.

Fill hole w/ 9.5#/Gal MLF and spot 180 foot cement plugs at 8950' to 9135' and
6915' to 7095' (32 sacks Class C neat cement).

Set 5 1/2" CIBP at 5100' and cap w/ 35 feet of cement (3 sacks of Class C neat).
Perforate Bone springs (4897-4924').

BLOWOUT PREVENTER PROGRAM:

Casing
StringEquipment Size
& API SERIES

No. & Type

Test Pressure
(psi)

Intermediate

6' X 5000#

1 Master Gate & 1 Pipe Ram

5000

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

A. D. Bond

TITLE Regulatory Technician Supervisor October 31, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVED

APPROVAL DATE

(ORIG. SGD.) DAVID R. GLASS

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL

NOV 30 1983

*See Instructions On Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.