

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

OXY USA Inc.

16696

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 50250 MIDLAND, TX 79710-0250

915-685-5717

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

At surface

990 FSL 1650 FWL SESW (N)

At proposed prod. zone

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

13 miles southeast from Artesia, NM

15. DISTANCE FROM PROPOSED*

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

990'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

N/A

19. PROPOSED DEPTH

11300'

20. ROTARY OR CABLE TOOLS

R

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

3544'

22. APPROX. DATE WORK WILL START*

1/21/98

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" H40 | 48# | 400' | 465sx - Circulate |
| 11" | 8-5/8" K55 | 24-32# | 3000' | 1015sx - Circulate |
| 7-7/8" | 4-1/2" N80-S95 | 11.6# | 11300' | 750sx - TOC-8500' |

SEE OTHER SIDE



Post ID-1
2-5-99
API & Loc

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 preventer program, if any.

24.

SIGNED

David Stewart

TITLE

DAVID STEWART
REGULATORY ANALYST

DATE

12/21/98

(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:

Assistant Field Office Manager,
Lands and Minerals

APPROVED BY

/s/ Gary A. Stephens

TITLE

DATE

FEB 01 1999

*See Instructions On Reverse Side

ATTACHMENT 3160-3
OXY USA Inc.
OXY Bobcat Federal #1
SEC 19 T18S R29E
Eddy County, NM

PROPOSED TD: 11300' TVD

BOP PROGRAM: 0' - 400' None

400' - 3000' 13-3/8" 5M blind and pipe rams with 5M annular preventer.

3000' - 11300' 13-3/8" 5M blind pipe rams with 5M annular preventer and rotating head below 8500'.

CASING: Surface: 13-3/8" 48# H40 ST&C new casing set at 400'

Intermediate: 8-5/8" 24-32# K55 ST&C new casing from 0-3000'

Production: 4-1/2" 11.6# N80-S95 LT&C new casing from 0-11300'

CEMENT: Surface - Circulate cement with 310sx 35:65 POZ/C w/ 6% Gel + 2% CaCl_2 + .25 #/sx Cello-Seal + 5#/sx Gilsonite followed by 155sx Cl C w/ 2% CaCl_2 .

Intermediate - Circulate cement with 815sx 35:65 POZ/C w/ 6% Gel + 5#/sx Salt + 5#/sx Gilsonite followed by 200sx Cl C w/ 2% CaCl_2 .

Production - Cement with 750sx 15:61:11 POZ/C/Silica w/ .5% FL-25 + .2#/sx CD-32 + 5#/sx Gilsonite.

Estimated top of cement is 8500'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD: 0 - 400' Fresh water/native mud. Lime for pH control (9-10). Paper for seepage. Wt. 8.7-9.2 ppg, vis 32-34 sec. Lost circulation may be encountered.

400' - 3000' Brine water. Add 10# brine as make-up to avoid excessive washouts in salt stringers. Caustic for pH control (10-10.5). Paper for seepage. Lost circulation may be encountered. Wt. 10.0-10.1 ppg, vis 28-29 sec.

3000' - 8300' Fresh water. Caustic for pH control (9-9.5). Paper for seepage. Wt. 8.4 ppg, vis 28-29 sec.

8300' - 10000' Cut brine. Caustic for pH control. Wt. 9.2 - 9.4 ppg, vis 28-29 sec,

10000' - 11300' Mud up with an XCD Polymer mud system with the following characteristics: Wt. 9.2 - 10.6 ppg, Vis 32-34sec, WL 8cc.

