

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

1980 FNL 660 FWL SWNW(E)

At proposed prod. zone

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

10 miles northwest from Carlsbad, NM

15. DISTANCE FROM PROPOSED*

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

660'

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

11000'

20. ROTARY OR CABLE TOOLS

R

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

3394'

22. APPROX. DATE WORK WILL START*

4/4/00

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#	350'	360sx - Circulate
12-1/4"	9-5/8" K55	36#	300'	850sx - Circulate
8-3/4"	5-1/2" N80-S95	17#	11000'	775sx - Est TOC 7500'



See other side

Notify OGD at SPUD & TIME
to witness cementing the
9 5/8" casing.APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHED

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

TITLE

David Stewart

Regulatory Analyst

DATE

3/2/00

(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 Manager,
Lands And Minerals

APPROVED BY

TITLE

DATE

*See Instructions On Reverse Side

ATTACHMENT 3160-3
OXY USA Inc.
OXY Fig Newton Federal#1
SEC 27 T21S R27E
Eddy County, NM

PROPOSED TD: 11000' TVD

BOP PROGRAM: 0' - 350' None
350' - 3000' 13-5/8" 5M blind and pipe rams with 5M annular preventer.
3000' - 11000' 11" 5M blind pipe rams with 5M annular preventer and rotating head below 7500'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 350'
Intermediate: 9-5/8" OD 36# K55 ST&C new casing from 0-3000'
Production: 5-1/2" OD 17# N80-S95 LT&C new casing from 0-11000'
N80-9600' S95-1400'

CEMENT: Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite + 2% CaCl₂ + .25#/sx Cello-Seal followed by 200sx Cl C with 2% CaCl₂.
Intermediate - Circulate cement with 650sx 35:65 POZ/C with 6% Bentonite + 2% CaCl₂ + .25#/sx Cello-Seal followed by 200sx Cl C with 2% CaCl₂.
Production - Cement with 700sx 15:61:11 POZ/C/CSE with .5% FL-52 + .5% FL-25 + 8#/sx Gilsonite followed by 75sx Cl C with .7% FL-25.
Estimated top of cement is 7500'.

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

MUD: 0 - 350' Fresh water/native mud. Lime for pH control (9-10). Paper for seepage. Wt 8.7-9.2 ppg, Vis 32-34 sec
350' - 3000' Fresh/*Brine water. Lime for pH control (10.0-10.5). Paper for seepage. Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec
*Fresh water will be used unless chlorides in the mud system increase to 20000PPM.
3000' - 7500' Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt 8.3-8.5 ppg, Vis 28-29 sec
7500' - 9600' Cut brine. Lime for pH control (10-10.5). Wt 9.6-10.0 ppg, Vis 28-29sec
9600' - 11000' Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

