

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 WTP Limited Partnership

192463

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 FNL 990 FWL NWNW(4)

At proposed prod. zone

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

3 miles west from Artesia, NM

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. 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

8550'

20. ROTARY OR CABLE TOOLS

R

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

3494'

22. APPROX. DATE WORK WILL START\*

11/99

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'	364sx
12-1/4"	8-5/8" K55	32#	1305'	885sx
7-7/8"	4-1/2" N80	11.6#	8549'	800sx

SEE OTHER SIDE

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. David Stewart  
SIGNED David Stewart TITLE Regulatory Analyst DATE 5/10/01

(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:

APPROVED BY /S/ JOE G. LARA TITLE FIELD MANAGER DATE JAN 29 2002

\*See Instructions On Reverse Side

ATTACHMENT C-103  
OXY USA Inc.  
OXY Tumbleweed #1  
SEC 2 T18S R25E  
Eddy County, NM

PROPOSED TD: 8700' TVD

BOP PROGRAM: 0' - 400' None

400' - 1300' 13-3/8" 5M blind and pipe rams with 5M annular preventer.

1300' - 8700' 13-3/8" 5M blind pipe rams with 5M annular preventer and rotating head below 7400'.

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

Intermediate: 8-5/8" OD 32# K55 ST&C new casing from 0-1300'

Production: 4-1/2" OD 11.6# N80 LT&C new casing from 0-8700'

CEMENT: Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite + .005#/sx Static Free + 2% CaCl<sub>2</sub> + .25#/sx Cello-Seal + .005gps FP-6L followed by 200sx Cl C with .005#/sx Static Free + .005gps FP-6L + 2% CaCl<sub>2</sub>.

Intermediate - Circulate cement with 225sx 35:65 POZ/C with 6% Bentonite + .005#/sx Static Free + 2% CaCl<sub>2</sub> + .25#/sx Cello-Seal + .005gps FP-6L + 5#/sx Gilsonite followed by 200sx Cl C with 2% CaCl<sub>2</sub> + .005#/sx Static Free + .005gps FP-6L.

Production - Cement with 610sx 15:61:11 POZ/C/CSE with .005#/sx Static Free + .005gps FP-6L + .5% FL-52 + .5% FL-25 + 8#/sx Gilsonite followed by 75sx Cl C with .005#/sx Static Free + .005gps FP-6L + .7% FL-25. Estimated top of cement is 6000'.

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

400' - 1300' ~~Fresh/Brine water.~~ Lime for pH control (10.0-10.5). Paper for seepage. Wt 8.3-9.0ppg/10.0-10.1ppg, Vis 28-29 sec

1300' - 6000' Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt 8.3-8.5 ppg, Vis 28-29 sec

6000' - 7400' Cut brine. Lime for pH control (10-10.5). Wt 9.6-10.0 ppg, Vis 28-29sec

7400' - 8700' Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

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