

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

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

660 FNL 660 FWL NWNW(D)

At proposed prod. zone

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

10 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)

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.

2970'

19. PROPOSED DEPTH

9800'

20. ROTARY OR CABLE TOOLS

R

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

3485'

22. APPROX. DATE WORK WILL START*

4/16/01

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'	360sx - Circulate
12-1/4"	9-5/8" K55	36#	1800'	650sx - Circulate
8-3/4"	7" N80	26#	9800'	825sx - EST TOC 5800'

Roswell Controlled Water Basin

SEE OTHER SIDE

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

David Stewart

TITLE

David Stewart

Regulatory Analyst

DATE

2/2/01

(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/ LESLIE A. THEISS

TITLE

FIELD MANAGER

DATE

MAY 30 2001

*See Instructions On Reverse Side APPROVAL FOR 1 YEAR

OXY Shania Bull Federal #1
660 FNL 660 FWL NWNW(D) SEC 7 T17S R28E Eddy County, NM
Federal Lease No.

PROPOSED TD: 9800' TVD

BOP PROGRAM: 0' - 400' None

400' - 1800' 13-3/8" 3M annular preventer.

1800' - 9800' 11" 5M blind pipe rams with 5M annular
preventer and rotating head below 6000'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 400'
17-1/2" hole

Intermediate: 9-5/8" OD 36# K55 ST&C new casing from 0-1800'
12-1/4" hole

Production: 7"OD 26# N80 LT&C new casing from 0-9800'
8-3/4" hole

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 450 35:65 POZ/C with 6%
Bentonite + 2% CaCl₂ + .25#/sx Cello-Seal followed by 200sx Cl C
with 2% CaCl₂.

Production - Cement with 750sx 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 5800'.

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' - 1800' 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 increases to 20000ppm.

1800' - 5800' Fresh water. Lime for pH control(9-9.5).
Paper for seepage.
Wt 8.3-8.5 ppg, Vis 28-29 sec

5800' - 8200' Cut brine. Lime for pH control (10-10.5).
Wt 9.6-10.0 ppg, Vis 28-29sec

8200' - 9800' Mud up with an Duo Vis/Flo Trol mud system.
Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc