

c/sf

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 instructions.)

At surface

1650 FNL 1980 FWL SENW (F)

At proposed prod. zone

SUBJECT TO
LIKE APPROVAL
BY STATE

5. LEASE DESIGNATION AND SERIAL NO.

LC067132

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME WELL NO.

OXY Puma Federal

9. AP WELL NO.

30-015-

10. FIELD AND POOL, OR WILDCAT

Turket Track Morrow, North

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA

Sec 22 T18S R29E

12. COUNTY OR PARISH 13. STATE

EDDY

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.

N/A

19. PROPOSED DEPTH

11400'

20. ROTARY OR CABLE TOOLS

Rotary

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

3453'

22. APPROX. DATE WORK WILL START*

3/15/99

23.

PROPOSED CASING AND CEMENT SCHEDULE

CAPTAIN CONTROLLED WATER BASIN

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 - circ
11"	8-5/8" K55	32#	3200'	995sx - circulate
7-7/8"	4-1/2" N80-S95	11.6#	11400'	860sx - Est TOC-8500'

WITNESS

SEE OTHER SIDE

B&T ID-1
3-19-99
API & LocAPPROVAL 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 2/3/99

(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:

Acting

Assistant Field Office Manager,
Lands and MineralsAPPROVED BY /s/ Gary A. Stephens

TITLE _____

DATE

MAR 09 1999

*See Instructions On Reverse Side

ATTACHMENT 3160-3
OXY USA Inc.
OXY Puma Federal #1
SEC 22 T18S R29E
Eddy County, NM

PROPOSED TD: 11400' TVD

BOP PROGRAM: 0' - 400' None

400' - 3200' 13-3/8" 5M blind and pipe rams with 5M annular preventer.

3200' - 11400' 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" 32# K55 ST&C new casing from 0-3200'

Production: 4-1/2" 11.6# N80-S95 LT&C new casing from 0-11400'

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 795sx 35:65 POZ/C w/ 6% Gel + 5#/sx Salt + .25#/sx Cello-Seal + 5#/sx Gilsonite followed by 200sx Cl C w/ 2% CaCl_2 .

Production - Cement with 860sx 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. Lost circulation may be encountered.
Wt. 8.7-9.2 ppg, vis 32-34 sec.

400' - 3200' 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.

3200' - 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' - 11400' Mud up with an XCD Polymer mud system with the following characteristics: Wt. 9.2-10.6 ppg, vis 32-34sec, WL 8cc.

