

Form 3160-3
(July 1992)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

660 FNL 660 FWL NWNW(D)

At proposed prod. zone

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

6 miles east of Artesia, 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

9400'

20. ROTARY OR CABLE TOOLS

R

21. ELEVATIONS (Show whether OF PT. OR. OR.)

ROSWELL CONTROLLED WATER BASIN

3450'

22. APPROX. DATE WORK WILL START*

10/15/99

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'	360sx - Circulate
11"	8-5/8" K55	32#	1500'	425sx - Circulate
7-7/8"	4-1/2" N80	11.6#	9400'	705sx - Est TOC 6000'

WITNESS

SEE OTHER SIDE

APPROVAL SUBJECT TO
GENERAL REQUIREMENTS AND
SPECIAL STIPULATIONS
ATTACHEDPost IO-1
10-1-99
APE & 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

TITLE

David Stewart

Regulatory Analyst

DATE

8/27/99

(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 Minerals

APPROVED BY

J. W. BRAY

TITLE

DATE

9-28-99

*See Instructions On Reverse Side

ATTACHMENT 3160-3
OXY USA Inc.
OXY Excalibur Federal #1
SEC 21 T17S R27E
Eddy County, NM

PROPOSED TD: 9400' TVD

BOP PROGRAM: 0' - 400' None

400' - 1500' 13-3/8" 5M blind and pipe rams with 5M annular preventer.

1500' - 9400' 13-3/8" 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'

Intermediate: 8-5/8" OD 32# K55' ST&C new casing from 0-1500'

Production: 4-1/2" OD 11.6# N80 LT&C new casing from 0-9400'

CEMENT: Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite + .005#/sx Static Free + 2% CaCl₂ + .25#/sx Cello-Seal + .005gps FP-6L followed by 200sx Cl C with .005#/sx Static Free + .005gps FP-6L + 2% CaCl₂.

Intermediate - Circulate cement with 225sx 35:65 POZ/C with 6% Bentonite + .005#/sx Static Free + 2% CaCl₂ + .25#/sx Cello-Seal + .005gps FP-6L + 5#/sx Gilsonite followed by 200sx Cl C with 2% CaCl₂ + .005#/sx Static Free + .005gps FP-6L.

Production - Cement with 630sx 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 8.7-9.2ppg, Vis 32-34sec

400' - 1500' Fresh/Brine water. Lime for pH control (10.0-10.5). Paper for seepage. Wt 8.3-9.0ppg/10.0-10.1ppg, Vis 28-29sec

1500' - 6000' Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt 8.3-8.5ppg, Vis 28-29sec

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

7400' - 9400' Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

RECEIVED
AUG 30 1989
BHM
ROSWELL-NM