

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesa, NM 88211-0719
District III
1000 Rio Grande Rd., Artesa, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
PO Box 2088
Santa Fe, NM 87504-2088

Form C-101
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 6 Copies
Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address: OXY USA Inc. P.O. Box 50250 Midland, TX 79710-0250 FEB 10 1997		OGRID Number 16696 API Number 30-015-29376
Property Code 20427	Property Name OXY Mustang State Com.	Well No. 1

Surface Location

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
I	16	18S	29E		1980	South	660	East	Eddy

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ids	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 Undesignated North Turkey Track Morrow					Proposed Pool 2 Undesignated South Empire Morrow				

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3519'
Multiple No	Proposed Depth 11150'	Formation Morrow	Completion N/A	Spud Date 3/1/97

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Seals of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	400'	420	Surface
11"	8-5/8"	24-32#	3000'	980	Surface
7-7/8"	5-1/2"	17-20#	11150'	435	8500'

Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SEE OTHER SIDE

I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

David Stewart

Printed name:

David Stewart

Title:

Regulatory Analyst

Date:

2/6/97

Phone:

915-685-5717

OIL CONSERVATION DIVISION

Approved by:

Jim W. Burt B6A

Title:

District Supervisor

Approval Date:

2-12-97

Expiration Date:

2-12-98

Continued Approval:

Attached ☐

ATTACHMENT C-101
OXY USA Inc.
OXY MUSTANG STATE COM. #1
SEC 16 T188 R29E
Eddy County, NM

PROPOSED TD: 11150' TVD

BOP PROGRAM: 0' - 400' None
400'-3000' 13-3/8" 5M blind and pipe rams with 5M annular preventer.
3000'-11150' 13-3/8" 5M blind and pipe rams with 5M annular preventer and rotating head below 8500'.

CASING: 13-3/8" 48# H40 ST&C casing @ 400'. 17 1/2" hole.
8-5/8" 24-32# K55 ST&C casing @ 3000', 11" hole
5-1/2" 17-20# N80 LT&C casing @ 11150', 7-7/8" hole.

CEMENT: Surface - Circulate cement with 220sx 65/35 POZ/C w/2% CaCl₂ + 6% gel + .25#/sx Cello-seal followed by 200sx Class C with 2% CaCl₂.

Intermediate - Circulate cement with 780sx POZ/C w/ 6% gel + 5#/sx salt + .25#/sx Cello-seal followed by 200sx Class C with 2% CaCl₂. Cement volumes may be adjusted to fluid caliper.

Production - Cement with 435sx Super C Modified w/ 5#/sx Gilsonite + fluid loss additives and retarder. Estimated top of cement is 8500'. Cement volumes may be adjusted to hole caliper.

MUD: 0'- 400' Gel/Lime for pH control(9 to 10).
Paper for seepage.
Wt. 8.6-8.7 ppg, vis 32-34 sec.
400'- 3000' Fresh/Brine water. Caustic for pH control (10-10.7). Paper for seepage.
Wt.10-10.1 ppg, vis 28-32 sec
3000'-8800' Fresh water. Caustic for pH control (9-9.5).
Paper for seepage.
Wt. 8.4-8.5 ppg, vis 28-29 sec
8800'-10100' Cut brine. Caustic for pH control (10-10.5).
Wt.8.8-9.0 ppg, vis 28-29 sec
10100'-11400' Mud up with a Starpac/XCD Polymer system
Wt. 9.5-10.5ppg, vis 42-48 sec WL 6-8cc.