

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
PO Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, 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-10:
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		OGRID Number 16696
Property Name OXY MOO COW STATE		API Number 30-015-30178
Property Code 23141	Well No. 1	

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
16	6	21S	27E		3100	South	660	East	Eddy

8 Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Proposed Pool 1 Burton Flat Morrow					73280	Proposed Pool 2			

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3222'
Multiple No	Proposed Depth 12450'	Formation Morrow	Contractor N/A	Spud Date 5/1/98

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	500'	525	Surface
11"	8-5/8"	24-32#	3250'	1500	Surface
7-7/8"	4-1/2"	11.6#	12450'	800	8500'

22 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

APR 1998
RECEIVED
OCD - ARTESIA

Filed TO-1
N29 API
4-10-98

23 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:

3/31/98

Phone:

915-685-5717

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. SULL

Title:

DISTRICT II SUPERVISOR

Approval Date:

4-2-98

Expiration Date:

4-2-99

Conditions of Approval:

Attached ☐

ATTACHMENT C-101
OXY USA Inc.
OXY MOO COW STATE #1
SEC 6 T21S R27E
Eddy County, NM

PROPOSED TD: 12450' TVD

BOP PROGRAM: 0' - 500' None

500'-3250' 13-3/8" 5M blind and pipe rams with 5M annular preventer.

3250'-12450' 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 @ 500'. 17 1/2" hole.

8-5/8" 24-32# K55 ST&C casing @ 3250', 11" hole

4-1/2" 11.6# S95-N80 LT&C casing @ 12450', 7-7/8" hole.

CEMENT: Surface - Circulate cement with 275sx 65/35 C/POZ w/2% CaCl_2 + 6% gel + .25#/sx Cello-seal + .25#/sx Cello-seal followed by 250sx Class C with 2% CaCl_2 .

Intermediate - Circulate cement with 1200sx 65/35 C/POZ w/ 6% gel + 5#/sx salt + .25#/sx Cello-seal followed by 300sx Class C with 2% CaCl_2 . Cement volumes may be adjusted to fluid caliper.

Production - Cement with 800sx 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' - 500' Fresh water spud mud. Gel/Lime for pH control (9 to 10). Paper for seepage. Wt. 8.6-8.7 ppg, vis 32-34 sec.

500' - 5000' Fresh/Brine water. Caustic for pH control (10-10.7). Paper for seepage. Wt. 10-10.1 ppg, vis 28-32 sec

5000' - 9800' Cut Brine. Caustic for pH control (10-10.5). Paper for seepage. Wt. 8.4-8.5 ppg, vis 28-29 sec

9800' - 12450' Mud up with an XCD Polymer system weighing 9.5-11.0 ppg, vis 42-48 sec, WL 6-8cc.