

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-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		OGRID Number 16696 API Number 30-015-29278
Property Code 21441	Property Name OXY Pronghorn State	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
XN	2	21S	28E		660	South	1650	West	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 Sand Point Morrow					Proposed Pool 2				

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Grossed Level Elevation 3306'
Multiple No	Proposed Depth 12450'	Formation Morrow	Contractor N/A	Spud Date 8/30/97

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Secks of Cement	Estimated TOC
17-1/2"	13-3/8"	48#	500'	525	Circulate
12 1/4"	8-5/8"	24-32#	3250'	1500	Circulate
7-7/8"	4-1/2"	11.6#	12450'	800	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.

posted ID-1
N/A API
8-15-97

SEE OTHER SIDE

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION ORIGINAL SIGNED BY THE W. CLERK DISTRICT II SUPERVISOR	
Printed name: David Stewart		Title:	
Title: Regulatory Analyst		Approval Date: AUG 12 1997 Expiration Date: 8-12-98	
Date: 8/6/97	Phone: 915-685-5717	Conditions of Approval: Attached ☐ NOTE CHANGES ON FRONT AND BACK PAGES	

ATTACHMENT C-101
OXY USA Inc.
OXY Pronghorn State #1
SEC 2 T21S R28E
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% CaCl₂ + 6% gel + .25#/sx Cello-seal + .25#/sx Cello-seal followed by 250sx Class C with 2% CaCl₂.

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% CaCl₂. 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~~ ^{10-3250'} 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.