

District I
P.O. Box 1980, Hobbs, NM 88241-1980
District II
P.O. Drawer DD, Artesia, NM 88211-0719
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
P.O. 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 30-015-29234
Property Code 19682	Property Name OXY Bulldog State	Well No. 1

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
H	16	20S	28E		1980	North	660	East	Eddy

8 Proposed Bottom Hole Location If Different From Surface

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

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code S	Gross Level Elevation 3265'
Multiple No	Proposed Depth 11450'	Formation Morrow	Contractor N/A	Spud Date 11/1/96

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#	400'	420	Surface
11"	8-5/8"	24-32#	3000'	980	Surface
7-7/8"	5-1/2"	17-20#	11450'	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

NOTARY PUBLIC in and for the State of New Mexico
I, **Tim W. Gum**, do hereby certify that the information given above is true and complete to the best of my knowledge and belief.
the 8 5/8" casing

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: 		OIL CONSERVATION DIVISION	
Printed name: David Stewart		Approved by: ORIGINAL SIGNED BY TIM W. GUM	
Title: Regulatory Analyst		Title: DISTRICT II SUPERVISOR	
Date: 10/18/96		Approval Date: 10-24-96	Expiration Date: 10-24-97
Phone: 915-685-5717		Conditions of Approval: Attached ☐	

ATTACHMENT C-101
OXY USA Inc.
OXY Bulldog #1
SEC 16 T208 R28E
Eddy County, NM

PROPOSED TD: 11450' TVD

BOP PROGRAM: 0' - 400' None
400'-3000' 13-3/8" 5M blind and pipe rams with 5M annular preventer.
3000'-11450' 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 @ 11450', 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' Fresh water/native mud. Lime for pH control (9 to 10). Paper for seepage. Wt. 8.7-9.2 ppg, vis 32-34 sec.
400' - 3000' Brine water. Caustic for pH control (10-10.5). Paper for seepage. Wt. 10-10.1 ppg, vis 28-29 sec
3000' - 8800' Fresh water. Caustic for pH control (9-9.5). Paper for seepage. Wt. 8.4 ppg, vis 28-29 sec
8800' - 10200' Cut brine. Caustic for pH control (10-10.5). Wt. 9.2-9.4 ppg, vis 28-29 sec
10200' - 11450' Mud up with a AquaPac/Starch/DCS system Wt. 9.5 - 9.8 ppg, vis 42-48 sec WL 6-8cc.