

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  
 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

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 burn  
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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 Code <b>23427</b>		Property Name OXY Zephyr State
		Well No. 1
API Number 30-015- <b>30295</b>		

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
I	32	23S	26E		1980	South	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 Carlsbad Morrow, South					73960	Proposed Pool 2			

Work Type Code N	Well Type Code G	Cable/Retary R	Lease Type Code S	Ground Level Elevation 3429'
Multiple No	Proposed Depth 12100'	Formation Morrow	Contractor N/A	Spud Date 7/1/98

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#	400'	400	Surface
<del>12 1/4"</del>	8-5/8"	32#	2100'	1000	Surface
7-7/8"	5-1/2"	17#	12100'	593	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

Notify N.M.O.C.C. in sufficient time to witness cementing the 8 5/8" casing

Post FD-2  
 6-19-98  
 API & Loc

18 Hours WOC on 13 3/8, 8 5/8" casing. **B6A**

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>David Stewart</i>		OIL CONSERVATION DIVISION	
Printed name: David Stewart		Approved by: <i>Jim W. Green</i> <b>B6A</b>	
Title: Regulatory Analyst		Title: District Supervisor	
Date: 6/12/98		Approval Date: 6-16-98	Expiration Date: 6-16-99
Phone: 915-685-5717		Conditions of Approval: Attached <input type="checkbox"/>	

ATTACHMENT C-101  
OXY USA Inc.  
OXY ZEPHYR STATE #1  
SEC 32 T23S R26E  
Eddy County, NM

PROPOSED TD: 12100' TVD

BOP PROGRAM: 0' - 400' None  
400'-3000' 13-3/8" 5M blind and pipe rams with 5M annular preventer.  
3000'-12100' 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" 32# K55 ST&C casing @ 3000', 11" hole  
5-1/2" 17# N80 LT&C casing @ 12100', 7-7/8" hole.

CEMENT: Surface - Circulate cement with 200sx 35/65 POZ/C w/2% CaCl<sub>2</sub> + 6% gel + .25#/sx Cello Flake followed by 200sx Cl C with 2% CaCl<sub>2</sub>.  
Intermediate - Circulate cement with 800sx 35/65 POZ/C w/ 6% gel + 5#/sx salt + .25#/sx Cello Flake + 5#/sx Gilsonite followed by 200sx Cl C with 2% CaCl<sub>2</sub>. Cement volumes may be adjusted to fluid caliper.  
Production - Cement with 518sx 15/61/11 POZ/C/Silica Fume w/ .5% FL-25 + .5% FL-52 + 8#/sx Gilsonite followed by 75sx Cl C with .1% FL-25. Estimated top of cement is 8500'. Cement volumes may be adjusted to hole caliper.

MUD: 0' - 400' FW/Native Mud. Lime for pH control (9-10).  
Paper for seepage.  
Wt. 8.6-9.2ppg, vis 32-34sec.  
400' - 3000' Brine water. Caustic for pH control (10-10.5).  
Paper for seepage.  
Wt. 9.6-10ppg, vis 28-29sec.  
3000' - 8400' Fresh water. Caustic for pH control (9-9.5).  
Paper for seepage.  
Wt. 8.3-9.2ppg, vis 28-29sec  
8400' - 10200' Cut brine. Caustic for pH control (10-10.5).  
Wt. 9.2-9.6ppg, vis 28-34sec  
10200' - 12100' Mud up with a XCD Polymer system  
Wt. 9.5-10.5ppg, vis 44-48sec WL 8cc.