

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 South First, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

Form C-16  
Revised March 17, 1999

RECEIVED  
OCD - ARTESIA

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

<sup>1</sup> Operator Name and Address OXY USA Inc. P.O. Box 50250 Midland, TX 79710-0250		<sup>2</sup> OGRID Number 16696
		<sup>3</sup> API Number 30-015- 31314
<sup>4</sup> Property Code 26603	<sup>5</sup> Property Name OXY Sweet & Sour State	<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	24	17S	27E		1310	South	660	East	Eddy

<sup>8</sup> 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
<sup>9</sup> Proposed Pool 1 Undesignated Logan Draw Morrow					<sup>10</sup> Proposed Pool 2 80400				

<sup>11</sup> Work Type Code N	<sup>12</sup> Well Type Code G	<sup>13</sup> Cable/Rotary R	<sup>14</sup> Lease Type Code S - B4692	<sup>15</sup> Ground Level Elevation 3508'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 9700'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor UTI	<sup>20</sup> Spud Date 9/1/00

Minimum WOC time (hrs) <sup>21</sup> 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'	360sx	Circulate
11"	8-5/8"	32#	1800'	515sx	Circulate
7-7/8"	4-1/2"	11.6#	9700'	705sx	Est TOC 5700'
Cement to cover all oil, gas & water bearing zones					

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

<sup>23</sup> 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: ORIGINAL SIGNED BY TIM W. GUM DISTRICT II SUPERVISOR	
Title: Regulatory Analyst		Title:	
Date: 8/18/00		Approval Date: AUG 28 2000	Expiration Date: AUG 28 2001
Phone: 915-685-5717		Conditions of Approval:	
		Attached <input type="checkbox"/>	

OXY SWEET & SOUR STATE #1  
1310 FSL 810 FEL SEC 24 T17S R27E Eddy County, NM  
State Lease No. B4692

PROPOSED TD: 9700' TVD

BOP PROGRAM: 0' - 400' None  
400' - 1800' 11" 5M blind and pipe rams with 5M annular  
preventer.  
1800' - 9700' 11" 5M blind pipe rams with 5M annular  
preventer and rotating head below 6000'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 400'  
Intermediate: 8-5/8" OD 32# K55 ST&C new casing from 0-1800'  
Production: 4-1/2" OD 11.6# N80 LT&C new casing from 0-9700'

CEMENT: Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite  
+ 2%  $\text{CaCl}_2$  + .25#/sx Cello-Seal followed by 200sx Cl C with 2%  $\text{CaCl}_2$ .

Intermediate - Circulate cement with 315sx 35:65 POZ/C with 6%  
Bentonite + 2%  $\text{CaCl}_2$  + .25#/sx Cello-Seal followed by 200sx Cl C  
with 2%  $\text{CaCl}_2$ .

Production - Cement with 630sx 15:61:11 POZ/C/CSE with  
.5% FL-25 + .5% FL-52 + 8#/sx Gilsonite followed by 75sx Cl C  
with .7% FL-25.

Estimated top of cement is 5700'.

Note: Cement volumes may need to be adjusted to hole caliper.

MUD: 0 - 400' Fresh water/native mud. Lime for pH control  
(9-10). Paper for seepage.  
Wt 8.7-9.2 ppg, Vis 32-34 sec  
400' - 1800' Fresh/\*Brine water. Lime for pH control  
(10.0-10.5). Paper for seepage.  
Wt 8.3-9.0/10.0-10.1ppg, Vis 28-29 sec  
\*Fresh water will be used unless chlorides in  
the mud system increase to 20000PPM.  
1800' - 6000' Fresh water. Lime for pH control(9-9.5).  
Paper for seepage.  
Wt 8.3-8.5 ppg, Vis 28-29 sec  
6000' - 8500' Cut brine. Lime for pH control (10-10.5).  
Wt 9.6-10.0 ppg, Vis 28-29sec  
8500' - 9700' Mud up with an Duo Vis/Flo Trol mud system.  
Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc