

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-101  
Revised March 17, 1999

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> Property Code 25064		<sup>4</sup> API Number 30-025-34764
<sup>5</sup> Property Name CXY Purple Martin		<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County
M	30	16S	32E		660	South	660	West	Lca

<sup>8</sup> Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1/4	Feet from the	North/South line	Feet from the	East/West line	County

<sup>9</sup> Proposed Pool 1

Wildcat; Undesignated Morrow

<sup>10</sup> Proposed Pool 2

<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 P	<sup>15</sup> Ground Level Elevation 4160'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 12400'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor FWA Peterson	<sup>20</sup> Spud Date 12/1/99

<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"	43#	625'	500	Surface
11"	8-5/8"	32-36#	4500'	1005	Surface
7-7/8"	5-1/2"	17#	12400'	665	9000'

<sup>22</sup> 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

Permit valid 1 Year From Approval  
and Permit Drilling Underway

<sup>23</sup> 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: 11/10/99

Phone: 915-685-5717

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval:

Attached ☐

ATTACHMENT C-101  
OXY USA Inc.  
OXY Purple Martin #1  
660 FSL 660 FWL SEC 30 T16S R32E  
Lea County, NM

PROPOSED TD: 12400' TVD

BOP PROGRAM: 0' - 625' None

625' - 4500' 11" 5M blind and pipe rams with 5M annular preventer.

4500' - 12400' 11" 5M blind pipe rams with 5M annular preventer and rotating head below 9500'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 625'

Intermediate: 8-5/8" OD 32-36# K55 ST&C new casing from 0-4500'

Production: 5-1/2" OD 17# N80-S95 LT&C new casing from 0-12400'

CEMENT: Surface - Circulate cement with 350sx 35:65 POZ/C with 6% Bentonite + 2%  $\text{CaCl}_2$  followed by 150sx Cl C with 2%  $\text{CaCl}_2$ .

Intermediate - Circulate cement with 840sx 35:65 POZ/C with 6% Bentonite + 1%  $\text{CaCl}_2$  + 4#/sx Gilsonite followed by 165sx Cl C with 2%  $\text{CaCl}_2$ .

Production - Cement with 565sx 15:61:11 POZ/C/CSE with .5% FL-52 + .5% FL-25 + 6#/sx Gilsonite followed by 100sx Cl C with .55% FL-25.

Estimated top of cement is 9000'.

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

MUD: 0 - 625' Fresh water/native mud. Lime for pH control (9-10). Paper for seepage. Wt 8.7-9.2 ppg, Vis 32-34 sec

625' - 4500' 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

4500' - 9500' Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt 8.3-8.5 ppg, Vis 28-29 sec

9500' - 11000' Cut brine. Lime for pH control (10-10.5). Wt 9.6-10.0 ppg, Vis 28-29sec

11000' - 12400' Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc