

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

Form C-101  
Revised March 17, 1999

Oil Conservation Division  
2040 South Pacheco  
Santa Fe, NM 87505

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 30-015-30903
<sup>4</sup> Property Code 24799	<sup>5</sup> Property Name OXY Bay State	<sup>6</sup> Well No. 2

<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
0	33	17S	29E		440	South	1980	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
0	33	17S	29E		710	South	1930	East	Eddy

<sup>9</sup> Proposed Pool 1 Undesignated Grayburg Morrow 17840	<sup>10</sup> Proposed Pool 2
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<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 - E537	<sup>15</sup> Ground Level Elevation 3537'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 11300'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor FWA-Peterson	<sup>20</sup> Spud Date 1/10/00

<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'	360	Surface
11"	8-5/3"	32#	3200'	995	Surface
7-7/8"	4-1/2"	11.6#	11300'	935	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

<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name: David Stewart

Title: Regulatory Analyst

Date: 1/6/00

Phone: 915-685-5717

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM  
DISTRICT II SUPERVISOR

Title:

Approval Date: 1-6-00

Expiration Date: 1-6-01

Conditions of Approval:

Attached ☐

ATTACHMENT C-101  
OXY USA Inc.  
OXY BAY STATE #2  
SEC 33 T17S R29E  
Eddy County, NM

PROPOSED TD: 11300' TVD

BOP PROGRAM: 0' - 400' None

400' - 3200' 11" 5M blind and pipe rams with 5M annular preventer.

3200' - 11300' 11" 5M blind pipe rams with 5M annular preventer and rotating head below 8500'.

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 0-3200'  
Production: 4-1/2" OD 11.6# N80-S95 LT&C new casing from 0-11300'

CEMENT: Surface - Circulate cement with 160sx 35:65 POZ/C with 6% Bentonite + 2% CaCl<sub>2</sub> + .25#/sx Cello-Seal followed by 200sx Cl C with 2% CaCl<sub>2</sub>.

Intermediate - Circulate cement with 795sx 35:65 POZ/C with 6% Bentonite + 2% CaCl<sub>2</sub> + .25#/sx Cello-Seal followed by 200sx Cl C with 2% CaCl<sub>2</sub>.

Production - Cement with 860sx 15:61:11 POZ/C/CSE with .5% FL-52 + .5% FL-25 + 8#/sx Gilsonite followed by 75sx Cl C with .7% FL-25. Estimated top of cement is 8500'.

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' - 3200' 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 increases to 20000PPM.  
3200' - 8300' Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt 8.3-8.5 ppg, Vis 28-29 sec  
8300' - 10000' Cut brine. Lime for pH control (10-10.5). Wt 9.6-10.0 ppg, Vis 28-29sec  
10000' - 11300' Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc

The OXY Bay State #1 was drilled to the Morrow formation, but was plugged back to the Strawn before casing was set.

OXY had subleased the deep rights of the N/2 of Sec 33 from Aspen Oil Inc. We propose to drill the OXY Bay State #2 to the Morrow with an E/2 spacing unit. If the well is successful in the Morrow, the Federal 33 Com. #1, which is currently inactive, will be plugged back out of the Morrow prior to the completion of the OXY Bay State #2.

Due to the Collier State #1 being located 649 FSL 1984 FEL, The surface location of the OXY Bay State #2 was staked at 440 FSL 1980 FEL. This well will be directionally drilled to a legal bottom-hole location @ approximately 710 FSL 1930