

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 25720	<sup>5</sup> Property Name OXY Crendelau State	<sup>4</sup> API Number 30-015-31103
		<sup>6</sup> Well No. 1

<sup>7</sup> Surface Location

UL or lot no. D	Section 20	Township 19S	Range 28E	Lot Idn	Feet from the 660	North/South line North	Feet from the 660	East/West line West	County Eddy
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<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 South Millman 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 S - V05056	<sup>15</sup> Ground Level Elevation 3509'
<sup>16</sup> Multiple No	<sup>17</sup> Proposed Depth 11250'	<sup>18</sup> Formation Morrow	<sup>19</sup> Contractor UTI	<sup>20</sup> Spud Date 5/15/00

Minimum WOC time 18 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'	360	Surface
12-1/4"	9-5/8"	36#	3000'	850	Surface
8-3/4"	5-1/2"	17#	11250'	775	7500' #
# cover all oil, gas & water bearing zones					

<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

<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: 4/18/00

Phone: 915-685-5717

OIL CONSERVATION DIVISION

Approved by:

ORIGINAL SIGNED BY TIM W. GUM  
DISTRICT II SUPERVISOR

B6A

Title:

Approval Date: APR 21 2000

Expiration Date: APR 21 2001

Conditions of Approval:

Attached ☐

OXY Crendelau State #1  
660 FNL 660 FWL SEC 20 T19S R28E Eddy County, NM  
State Lease No. V05056

PROPOSED TD: 11250' TVD

BOP PROGRAM: 0' - 400' None

400' - 3000' 13-5/8" 5M blind and pipe rams with 5M annular preventer.

3000' - 11250' 11" 5M blind pipe rams with 5M annular preventer and rotating head below 8300'.

CASING: Surface: 13-3/8" OD 48# H40 ST&C new casing set at 400'

Intermediate: 9-5/8" OD 36# K55 ST&C new casing from 0-3000'

Production: 5-1/2" OD 17# N80-S95 LT&C new casing from 0-11250'

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 650sx 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 700sx 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 7500'.

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' - 3000' 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.

3000' - 8000' Fresh water. Lime for pH control (9-9.5). Paper for seepage. Wt 8.3-8.5 ppg, Vis 28-29 sec

8000' - 10000' Cut brine. Lime for pH control (10-10.5). Wt 9.6-10.0 ppg, Vis 28-29sec

10000' - 11250' Mud up with an Duo Vis/Flo Trol mud system. Wt 9.6-10.0ppg, Vis 32-36sec, WL<10cc