

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals & Natural Resources

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

RECEIVED

JAN 29 2020

Submit one copy to appropriate District Office  
**EMNRD-OCD ARTESIA**  
☒ AMENDED REPORT

Form C-104  
Revised August 1, 2011

**I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

<sup>1</sup> Operator name and Address OXY USA INC. P.O. BOX 50250 MIDLAND, TX 79710		<sup>2</sup> OGRID Number 16696
<sup>4</sup> API Number 30-015-46047	<sup>5</sup> Pool Name PURPLE SAGE WOLFCAMP <i>WOLFCAMP WC-015-608 SD 33/350</i>	<sup>6</sup> Pool Code 98220 / <i>98236</i>
<sup>7</sup> Property Code: 322740	<sup>8</sup> Property Name: STERLING SILVER MDPI 33-4 FEDERAL COM	<sup>9</sup> Well Number: 177H

**II. <sup>10</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
C	33	23S	31E		69	NORTH	2504	WEST	EDDY

**<sup>11</sup> Bottom Hole Location**

FTP: 135' FNL 2026' FEL LTP: 352' FSL 2040' FEL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	4	24S	31E		241	SOUTH	2036	EAST	EDDY
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code : P	<sup>14</sup> Gas Connection Date: 10/22/19	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date				

**III. Oil and Gas Transporters**

\*\*NSL-7844

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
237722	CENTURION PIPELINE L.P.	O
151618	ENTERPRISE FIELD SERVICES LLC	G

**IV. Well Completion Data**

<sup>21</sup> Spud Date 06/12/2019	<sup>22</sup> Ready Date 10/21/2019	<sup>23</sup> TD 11747'V/22091'M	<sup>24</sup> PBTD 11747'V/22059'M	<sup>25</sup> Perforations 11878'-21980'	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> Sacks Cement		
17-1/2"	13-3/8"	558'	730		
12-1/4"	9-5/8"	4375'	1225		
8-3/4"	7-5/8"	11000'	944		
6-3/4"	5-1/2"	22071'	790		

**V. Well Test Data**

2-3/8" tubing 11862'

<sup>31</sup> Date New Oil 10/23/19	<sup>32</sup> Gas Delivery Date 10/22/19	<sup>33</sup> Test Date 10/27/19	<sup>34</sup> Test Length 24 hrs.	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure 1786
<sup>37</sup> Choke Size 42/128	<sup>38</sup> Oil 3231	<sup>39</sup> Water 12202	<sup>40</sup> Gas 6171		<sup>41</sup> Test Method F

<sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Printed name:

JANA MENDIOLA

Title:

REGULATORY SPECIALIST

E-mail Address:

Janalyn\_mendiola@oxy.com

Date:

1/27/2020

Phone:

432-685-5936

OIL CONSERVATION DIVISION

**DENIED**

Approved

Title:

See Attached

Approved

See Rule 19.15.5.9

WOLFCAMP Dual Pool Reporting

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED

JAN 29 2020

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT

ENVIRONMENTAL ARTESIA

Lease Serial No.  
NNNM45236

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		7. Unit or CA Agreement Name and No.	
2. Name of Operator OXY USA INC.		8. Lease Name and Well No. STERLING SILVER MDP1 33-4FDCOM 177H	
3. Address P.O. BOX 50250 MIDLAND, TX 79710		9. API Well No. 30-015-46047	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 33 T23S R31E Mer NMP At surface NENW 69FNL 2504FWL 32.267992 N Lat, 103.783189 W Lon Sec 33 T23S R31E Mer NMP At top prod interval reported below NWNE 135FNL 2026FEL 32.267800 N Lat, 103.780760 W Lon Sec 4 T24S R31E Mer NMP At total depth SWSE 241FSL 2036FEL		10. Field and Pool, or Exploratory PURPLE SAGE WOLFCAMP	
14. Date Spudded 06/12/2019		15. Date T.D. Reached 08/29/2019	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/21/2019		17. Elevations (DF, KB, RT, GL)* 3387 GL	
18. Total Depth: MD 22091 TVD 11747		19. Plug Back T.D.: MD 22059 TVD 11747	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) GAMMA RAY	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)			

## 23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	558		730	175	0	
12.250	9.625 HCL80	40.0	0	4375		1225	395	0	
8.750	7.625 HCL80	26.4	0	11000		944	274	0	
6.750	5.500 P110	20.0	0	22071		790	203	8710	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	11862							

## 25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) WOLFCAMP	11878	21980	11878 TO 21980	0.370	1008	ACTIVE
B)						
C)						
D)						

## 27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
11878 TO 21980	20507550G SLICKWATER W/21191785# SAND

## 28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/23/2019	10/27/2019	24	→	3231.0	6171.0	12202.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
42/128	SI	1786.0	→	3231	6171	12202	1910	POW	

## 28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #500800 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*

AB

## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)  
SOLD

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
BELL CANYON	4263	5141	OIL, GAS, WATER	RUSTLER	488
CHERRY CANYON	5142	6364	OIL, GAS, WATER	SALADO	809
BRUSHY CANYON	6365	8059	OIL, GAS, WATER	CASTILE	2739
BONE SPRING	8060	9118	OIL, GAS, WATER	LAMAR	4234
1ST BONE SPRING	9119	9716	OIL, GAS, WATER	BELL CANYON	4263
2ND BONE SPRING	9717	10990	OIL, GAS, WATER	CHERRY CANYON	5142
3RD BONE SPRING	10991	11484	OIL, GAS, WATER	BRUSHY CANYON	6365
WOLFCAMP	11485		OIL, GAS, WATER	BONE SPRING	8060

## 32. Additional remarks (include plugging procedure):

## 52. FORMATION (LOG) MARKERS CONTD.

1ST BONE SPRING 9119' MD  
2ND BONE SPRING 9717' MD  
3RD BONE SPRING 10991' MD  
WOLFCAMP 11485' MD

## 33. Circle enclosed attachments:

- |   |                    |               |                       |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.)     | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis   | 7. Other:     |                       |

## 34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #500800 Verified by the BLM Well Information System.  
For OXY USA INC., sent to the Carlsbad

Name (please print) JANA MENDIOLA

Title REGULATORY SPECIALIST

Signature (Electronic Submission)

Date 01/27/2020

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\*

**Additional data for transaction #500800 that would not fit on the form**

**32. Additional remarks, continued**

Logs were mailed 1/28/19.

Log Header, Directional Survey, As-Drilled Amended C-102 plat & WBD are attached.

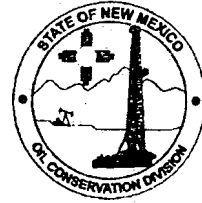
State of New Mexico  
Energy, Minerals and Natural Resources Department

Michelle Lujan Grisham  
Governor

Sarah Cottrell Propst  
Cabinet Secretary

Todd E. Leahy, JD, PhD  
Deputy Cabinet Secretary

Gabriel Wade, Acting Director  
Oil Conservation Division



March 27, 2019

Ms. Sarah Chapman  
[SARAH\\_CHAPMAN@oxy.com](mailto:SARAH_CHAPMAN@oxy.com)

NON-STANDARD LOCATION

Administrative Order NSL-7844

Oxy USA, Inc. [OGRID 16696]  
Sterling Silver MDP1 33 4 Federal Com Well No. 177H  
API No. 30-015-PENDING

**Proposed Location**

	<u>Footages</u>	<u>Unit/Lot</u>	<u>Sec.</u>	<u>Twsp</u>	<u>Range</u>	<u>County</u>
Surface	96 FNL & 2504 FWL	C	33	23S	31E	Eddy
First Take Point	100 FNL & 2200 FEL	B	33	23S	31E	Eddy
Last Take Point	330 FSL & 2200 FEL	O	4	24S	31E	Eddy
Terminus	180 FSL & 2200 FEL	O	4	24S	31E	Eddy

**Proposed Horizontal Gas Units**

<u>Description</u>	<u>Acres</u>	<u>Pool</u>	<u>Pool Code</u>
E2 of Section 33, 23S 31E	640.48	Purple Sage; Wolfcamp (GAS)	98220
E2 of Section 4, 24S 31E			

The NSL application was initially protested on March 15, 2019. The Protestant was removed from the encroaching tract by changing the LTP to an orthodox location.

Reference is made to your application received on March 5, 2019.

You have requested to complete this horizontal well as a gas well described above in the referenced pool or formation. This well is governed by special rules for the Purple Sage; Wolfcamp (Gas) Pool of and provides for 320-acre units, with wells located at least 330 feet from a unit outer boundary.

This well's completed interval is as close as 100 feet to the northern edge of the horizontal spacing unit. Encroachment will impact the following tracts.

Section 28, 23S 31E, encroachment to the SE4

Administrative Order NSL-7844  
Oxy USA, Inc.  
March 27, 2019  
Page 2 of 2

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The Division understands you have given notice of this application to all operators or owners who are "affected persons," as defined in Paragraph (8) Subsection A of 19.15.2.7 NMAC, in all adjoining units towards which the proposed location encroaches.

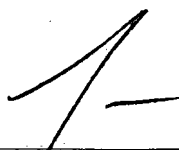
Division understands you seek this unorthodox location as an efficient spacing of your horizontal wells, thereby preventing waste within the Wolfcamp formation underlying the E2 of Section 33, 23S 31E and E2 of Section 4, 24S 31E.

Your application has been filed under Subsection 6 of Paragraph of Section (C) of 19.15.16.15 NMAC, 19.15.15.13 NMAC and Paragraph (2) of Subsection A of 19.15.4.12 NMAC.

Per Subsection B of 19.15.15.13 NMAC, Division approves this unorthodox location.

The above approvals are subject to your following all other applicable Division rules.

Jurisdiction of this case is retained for the entry of further orders as Division deems necessary.

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**Gabriel Wade**  
**Acting Director**

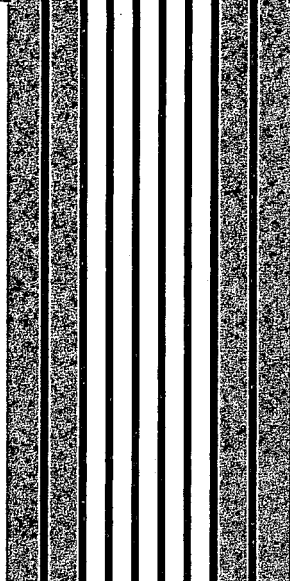
GW/lrl

cc: Oil Conservation Division – Artesia District Office  
Bureau of Land Management – Carlsbad Field Office

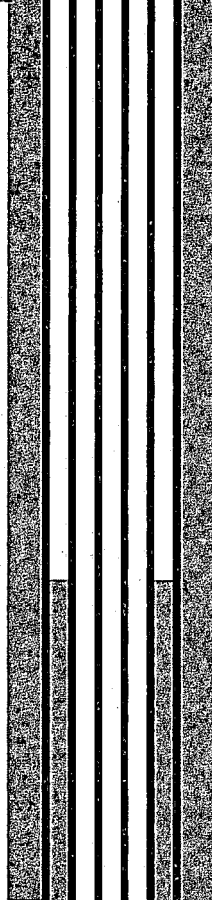
OXY USA INC.  
Sterling Silver MDP1 33-4 Federal Com 177H  
30-015-46047



17-1/2" hole @ 568'  
13-3/8" csg @ 558'  
w/ 730sx-TOC-Surf Circ



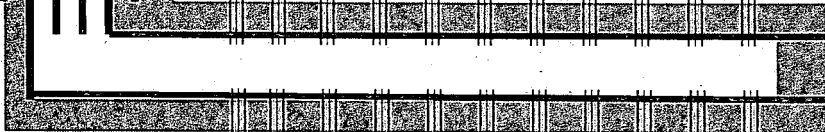
12-1/4" hole @ 4390'  
9-5/8" csg @ 4375'  
w/ 1225sx-TOC-Surf Circ



8-3/4" hole @ 11115'  
7-5/8" csg @ 11000'  
w/ 944sx-TOC-Surf Circ

6-3/4" hole @ 22091'  
5-1/2" csg @ 22071'  
w/ 790sx-TOC-8710'

2-3/8" tbg w/gas lift @ 11862'



Perfs @ 11878-21980'

TD- 22091'M 11747'V