

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

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-104  
Revised August 1, 2011

JUL 24 2017

Submit one copy to appropriate District Office

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

RECEIVED

☐ AMENDED REPORT

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 30-015-44055		<sup>3</sup> Reason for Filing Code/ Effective Date - NW
<sup>5</sup> Pool Name Pierce Crossing Bone Spring, East	<sup>6</sup> Pool Code 96473	
<sup>7</sup> Property Code: 317389	<sup>8</sup> Property Name: Cedar Canyon 22-15 Federal Com	<sup>9</sup> Well Number: 34H

II. <sup>10</sup> Surface Location

UL or lot no. A	Section 22	Township 24S	Range 29E	Lot Idn	Feet from the 1107	North/South Line North	Feet from the 1022	East/West line East	County Eddy
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<sup>11</sup> Bottom Hole Location

Top Perf- 975' FNL 405' FEL

Bottom Perf- 335' FNL 402' FEL

UL or lot no. A	Section 15	Township 24S	Range 29E	Lot Idn	Feet from the 166	North/South line North	Feet from the 399	East/West line East	County Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code : F	<sup>14</sup> Gas Connection Date: 5/31/17	<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

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
311333	BRIDGER TRANSPORTATION, LLC	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

<sup>21</sup> Spud Date 3/8/17	<sup>22</sup> Ready Date 5/31/17	<sup>23</sup> TD 16100'M 9970'V	<sup>24</sup> PBSD 16037'M 9970'V	<sup>25</sup> Perforations 9980-15931'	<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	
14-3/4"	10-3/4"	441'		625	
9-7/8"	7-5/8"	9481'		1350	
6-3/4"	4-1/2"	9355-16091'		660	
Provide tubing detail or request Tubing Exception					

V. Well Test Data

<sup>31</sup> Date New Oil 5/25/17	<sup>32</sup> Gas Delivery Date 5/31/17	<sup>33</sup> Test Date 6/21/17	<sup>34</sup> Test Length 24hrs.	<sup>35</sup> Tbg. Pressure ---	<sup>36</sup> Csg. Pressure 1950
<sup>37</sup> Choke Size 40/64	<sup>38</sup> Oil 1631	<sup>39</sup> Water 3809	<sup>40</sup> Gas 3378	<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 Coordinator

E-mail Address:  
janalyn\_mendiola@oxy.com

Date:  
7/18/17

Phone:  
432-685-5936

Approved by:

Title:

Staff

Approval Date:

7-25-2017

Pending BLM approvals will  
subsequently be reviewed  
and scanned

## NM OIL CONSERVATION

ARTESIA DISTRICT

JUL 24 2017

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMNM88137		
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			6. If Indian, Allottee or Tribe Name		
2. Name of Operator OXY USA INC.			7. Unit or CA Agreement Name and No.		
Contact: JANA MENDIOLA E-Mail: janalyn_mendiola@oxy.com			8. Lease Name and Well No. CEDAR CANYON 22-15 FEDERAL COM 34H		
3. Address P.O. BOX 50250 MIDLAND, TX 79710			9. API Well No. 30-015-44055		
3a. Phone No. (include area code) Ph: 432-685-5936			10. Field and Pool, or Exploratory PIERCE CROSSING BN SPRG,E		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 22 T24S R29E Mer At surface NENE 1107FNL 1022FEL 32.207199 N Lat, 103.967055 W Lon Sec 22 T24S R29E Mer At top prod interval reported below NENE 975FNL 405FEL 32.207541 N Lat, 103.964980 W Lon Sec 15 T24S R29E Mer At total depth NENE 166FNL 399FEL 32.224331 N Lat, 103.964986 W Lon			11. Sec., T., R., M., or Block and Survey or Area Sec 22 T24S R29E Mer		
14. Date Spudded 03/08/2017			12. County or Parish EDDY		
15. Date T.D. Reached 03/31/2017			13. State NM		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/24/2017			17. Elevations (DF, KB, RT, GL)* 2936 GL		
18. Total Depth: MD 16100 TVD 9970			20. Depth Bridge Plug Set: MD TVD		
19. Plug Back T.D.: MD 16037 TVD 9970					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) MUD LOG			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
14.750	10.750 J55	45.5	0	441		625	183	0	
9.875	7.625 L80	29.7	0	9481	3076	1350	699	0	
6.750	4.500 P110	13.5	9355	16091		660	192	9355	

## 24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)

## 25. Producing Intervals

## 26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 3RD BONE SPRING	9980	15931	9980 TO 15931	0.420	696	ACTIVE
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9980 TO 15931	8933946G SLICK WATER + 44982G 7.5% HCL ACID + 89922G CROSSLINK + 1134G LINEAR GEL

## 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
05/25/2017	06/21/2017	24	→	1631.0	3378.0	3809.0			FLows FROM WELL
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
40/64	SI	1950.0	→	1631	3378	3809	2071	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 SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
	SI		→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #381669 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

J - 7-26-17

## 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	3057	3763	OIL, GAS, WATER	RUSTLER	186
CHERRY CANYON	3764	5169	OIL, GAS, WATER	SALADO	721
BRUSHY CANYON	5170	6741	OIL, GAS, WATER	CASTILE	1432
BONE SPRING	6742	7780	OIL, GAS, WATER	DELAWARE	3018
1ST BONE SPRING	7781	8041	OIL, GAS, WATER	BELL CANYON	3057
2ND BONE SPRING	8042	8933	OIL, GAS, WATER	CHERRY CANYON	3764
3RD BONE SPRING	8934	9970	OIL, GAS, WATER	BRUSHY CANYON	5170
				BONE SPRING	6742

32. Additional remarks (include plugging procedure):  
FORMATION (LOG) MARKERS CONTD:

1ST BONE SPRING 7781' MD  
2ND BONE SPRING 8042' MD  
3RD BONE SPRING 8934' MD

Logs were mailed 7/19/17.

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

## 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 #381669 Verified by the BLM Well Information System.  
For OXY USA INC., sent to the Carlsbad**

Name (please print) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 07/18/2017

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 #381669 that would not fit on the form**

**32. Additional remarks, continued**

## NM OIL CONSERVATION

ARTESIA DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

JUL 24 2017

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*5. Lease Serial No.  
NMNM88137

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other8. Well Name and No.  
CEDAR CANYON 22-15 FEDERAL COM 3412. Name of Operator  
OXY USA INC.Contact: JANA MENDIOLA  
E-Mail: janalyn\_mendiola@oxy.com9. API Well No.  
30-015-440553a. Address  
P.O. BOX 50250  
MIDLAND, TX 797103b. Phone No. (include area code)  
Ph: 432-685-593610. Field and Pool or Exploratory Area  
PIERCE CROSSING BN SPRG,E

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 22 T24S R29E NENE 1107FNL 1022FEL  
32.207199 N Lat, 103.967055 W Lon11. County or Parish, State  
EDDY COUNTY, NM**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

RUPU 4/21/17, RIH & clean out to PBD @ 16037'. 4/23/17 RIH w/ 5-1/2" 20# P110 tie back seal assembly connect to 4-1/2" 13.5# P110 liner. Pressure test csg to 9500# for 30 min, good test. RIH & perf @ 15931-15776, 15724-15569, 15517-15358, 15310-15160, 15103-14948, 14896-14741, 14687-14534, 14483-14327, 14272-14120, 14071-13913, 13863-13711, 13654-13501, 13447-13292, 13240-13085, 13033-12878, 12822-12671, 12621-12464, 12412-12257, 12205-12050, 11998-11843, 11791-11636, 11584-11429, 11377-11221, 11174-11020, 10963-10808, 10756-10601, 10549-10394, 10345-10187, 10135-9980' Total 696 holes. Frac in 29 stages w/ 8933946g Slick Water + 44982g 7.5% HCl acid + 89922g Crosslink + 1134g Linear gel w/ 8705360# sand, RD Schlumberger 5/17/17. RIH & clean out, flow to clean up and test well for potential.

14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #381670 verified by the BLM Well Information System  
For OXY USA INC., sent to the Carlsbad**

Name (Printed/Typed) DAVID STEWART

Title SR. REGULATORY ADVISOR

Signature (Electronic Submission)

Date 07/18/2017

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_  
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title Pending BLM approvals will  
subsequently be reviewed  
and scanned  
Office \_\_\_\_\_

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person know  
States any false, fictitious or fraudulent statements or representations as to any matter within its jur.

JC 7-26-17

United

(Instructions on page 2)

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