

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

MAY 01 2017

Submit one copy to appropriate District Office

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>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30-015-43601	<sup>5</sup> Pool Name Pierce Crossing Bone Spring	<sup>6</sup> Pool Code 50371
<sup>7</sup> Property Code: 304791	<sup>8</sup> Property Name: Cedar Canyon 29 Federal	<sup>9</sup> Well Number: 21H

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
H	29	24S	29E		1989	North	150	East	Eddy

<sup>11</sup> Bottom Hole Location

Top Perf- 1415 FNL 363 FEL

Bottom Perf- 1375 FNL 379 FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	29	24S	29E		1369	North	173	West	Eddy
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code : F	<sup>14</sup> Gas Connection Date: 4/20/17	<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
239284	OCCIDENTAL ENERGY TRANSPORTATION (BRIDGER LLC)	O
151618	ENTERPRISE FIELD SERVICES LLC	G

IV. Well Completion Data

<sup>21</sup> Spud Date 12/24/16	<sup>22</sup> Ready Date 4/9/17	<sup>23</sup> TD 13480'M 8526'V	<sup>24</sup> PBTD 13415'M 8527'V	<sup>25</sup> Perforations 8719-13274'	<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"	665'	610		
9-7/8"	7-5/8"	8096'	2020		
6-3/4"	4-1/2"	7972-13470'	550		

V. Well Test Data

<sup>31</sup> Date New Oil 4/14/17	<sup>32</sup> Gas Delivery Date 4/20/17	<sup>33</sup> Test Date 4/27/17	<sup>34</sup> Test Length 24 hrs.	<sup>35</sup> Tbg. Pressure ---	<sup>36</sup> Csg. Pressure 1159
<sup>37</sup> Choke Size 52 33/64	<sup>38</sup> Oil 1294	<sup>39</sup> Water 1532	<sup>40</sup> Gas 2426	GOR 1874	<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:  
4/27/17

Phone:  
432-685-5936

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Provide Gas Capture Plan

Pending BLM approvals will  
subsequently be reviewed  
and scanned

UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
ARTESIA DISTRICT  
MAY 01 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. NMNM94651
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No.
8. Well Name and No. CEDAR CANYON 29 FEDERAL 21H
9. API Well No. 30-015-43601
10. Field and Pool or Exploratory Area PIERCE CROSSING BONE SPRG
11. County or Parish, State EDDY COUNTY, NM

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

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other	
2. Name of Operator OXY USA INC.	
Contact: JANA MENDIOLA E-Mail: janalyn_mendiola@oxy.com	
3a. Address P.O. BOX 50250 MIDLAND, TX 79710	3b. Phone No. (include area code) Ph: 432-685-5936
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 29 T24S R29E SENE 1989FNL 150FEL 32.190086 N Lat, 103.998072 W Lon	

**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	Drilling Operations
	<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 recompleat 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.

2/16/17 Skid rig back to Cedar Canyon 29 Federal 21H. RU BOP, test @ 250# low 5000# high. RIH & tag DVT, drill out DVT, RIH & tag cmt @ 8030', test 7-5/8" casing to 3877# for 30 min, good test. Drill new formation to 8115', perform FIT test EMW=12.6ppg, 1265psi, good test. 2/17/17 Drill 6-3/4" hole to 13480'M 8526'V 2/21/17. RIH w/ 4-1/2" 13.5# P110 liner csg @ 13470', TOL @ 7972'. Pump 61BFW spacer then cmt w/ 550sx (162bbl) PPC w/ additives 13.2ppg 1.66 yield, WOC. ND BOP, install wellhead & test to 5000# for 15min, good test. RD Rel Rig 2/22/17.

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

**Electronic Submission #368302 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 02/27/2017

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

Approved By

Title

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.

Office

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

any department or agency of the United

(Instructions on page 2)

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

## NM OIL CONSERVATION

ARTESIA DISTRICT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
MAY 01 2017FORM 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  
NMNM94651

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 29 FEDERAL 21H2. Name of Operator  
OXY USA INC.Contact: JANA MENDIOLA  
E-Mail: janalyn\_mendiola@oxy.com9. API Well No  
30-015-436013a. 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 BONE SPRG

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

Sec 29 T24S R29E SENE 1989FNL 150FEL  
32.190086 N Lat, 103.998072 W Lon

11. 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 recompleate 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 recompleation 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 3/5/17, RIH & clean out to PBTD @ 13415'. 3/7/17 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 @ 13274-13068, 13017-12812, 12761-12556, 12505-12304, 12249-12044, 11993-11791, 11737-11532, 11481-11276, 11227-11019, 10969-10764, 10717-10513, 10457-10251, 10201-9996, 9941-9740, 9689-9484, 9433-9228, 9173-8972, 8921-8719' Total 540 holes. Frac in 18 stages w/ 3752112g Slick Water + 35994g 15% HCl acid + 3205440g Linear gel w/ 7650588# sand, RD Schlumberger 3/28/17. 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 #373249 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 04/19/2017

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

Approved By

Title

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.

Office

Pending BLM approvals will  
subsequently be reviewed  
and scannedTitle 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully  
States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Department or agency of the United

(Instructions on page 2)

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

# NM OIL CONSERVATION

ARTESIA DISTRICT

MAY 01 2017

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 NMNM94651	
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 29 FEDERAL 21H	
3 Address P.O. BOX 50250 MIDLAND, TX 79710		9 API Well No 30-015-43601	
3a Phone No (include area code) Ph: 432-685-5936		10 Field and Pool, or Exploratory PIERCE CROSSING BONE SPRG	
4 Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SENE 1989FNL 150FEL 32.190086 N Lat, 103.998072 W Lon At top prod interval reported below SENE 1415FNL 363FEL 32.191866 N Lat, 103.998684 W Lon At total depth SWNW 1369FNL 173FWL 32.191970 N Lat, 104.014177 W Lon		11 Sec. T., R., M., or Block and Survey or Area Sec 29 T24S R29E Mer	
14 Date Spudded 12/24/2016		15 Date T.D. Reached 02/21/2017	
16 Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 04/09/2017		17 Elevations (DF, KB, RT, GL)* 2949 GL	
18 Total Depth MD TVD 13480 8526		19 Plug Back T.D. MD TVD 13415 8527	
20 Depth Bridge Plug Set MD TVD		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 Sks. & Type of Cement	Slurry Vol (BBL)	Cement Top*	Amount Pulled
14.750	10.750 J55	45.5	0	665		610	182	0	
9.875	7.625 L80	29.7	0	8096	3044	2020	851	0	
6.750	4.500 P110	13.5	7972	13470		550	162	7972	

### 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

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 2ND BONE SPRING	8719	13274	8719 TO 13274	0.420	540	ACTIVE
B)						
C)						
D)						

### 26. Perforation Record

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

Depth Interval	Amount and Type of Material
8719 TO 13274	3752112G SLICK WATER + 35994G 15% HCL ACID + 3205440G LINEAR GEL W/ 7650588# 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
04/14/2017	04/19/2017	24	→	791.0	1773.0	1446.0			FLOW FROM WELL
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well Status	
26/64	SI	1300.0	→	791	1773	1446	2241	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	Well St
			→						
Choke Size	Tbg Press Flwg SI	Csg Press	24 Hr Rate	Oil BBL	Gas MCF	Water BBL	Gas Oil Ratio	Well St	
	SI		→						

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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

ELECTRONIC SUBMISSION #373250 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

## 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	2953	3637	OIL, GAS, WATER	RUSTLER	330
CHERRY CANYON	3638	5072	OIL, GAS, WATER	SALADO	733
BRUSHY CANYON	5073	6632	OIL, GAS, WATER	CASTILE	1365
BONE SPRING	6633	7610	OIL, GAS, WATER	DELAWARE	2905
1ST BONE SPRING	7611	7840	OIL, GAS, WATER	BELL CANYON	2953
2ND BONE SPRING	7841	8527	OIL, GAS, WATER	CHERRY CANYON	3638
				BRUSHY CANYON	5073
				BONE SPRING	6633

## 32 Additional remarks (include plugging procedure)

3/7/17 RIH w/ 5-1/2" 20# P110 tie back seal assembly connect to 4-1/2" 13.5# P110 liner.

## FORMATION (LOG) MARKERS CONTD:

1ST BONE SPRING 7611' MD  
2ND BONE SPRING 7841' 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 #373250 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 04/19/2017

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 #373250 that would not fit on the form**

**32. Additional remarks, continued**

Logs were mailed 4/20/17.  
Log Header, Directional Survey, As-Drilled Amended C-102 plat & WBD are attached.