

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

Form C-104  
Revised August 1, 2011

Submit one copy to appropriate District Office

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 30-015-44095		<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: 317464		<sup>8</sup> Property Name: Cedar Canyon 23 Federal Com	
		<sup>9</sup> Well Number: 6H	

**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
I	22	24S	29E		2329	South	1173	East	Eddy

<sup>11</sup> Bottom Hole Location      Top Perf- 2133 FSL 359 FWL      Bottom Perf- 2171 FSL 2285 FWL

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	24	24S	29E		2175	South	2434	West	Eddy

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code : F	<sup>14</sup> Gas Connection Date: 8/6/17	<sup>15</sup> C-129 Permit Number	<sup>16</sup> C-129 Effective Date	<sup>17</sup> C-129 Expiration Date
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**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
	<b>NM OIL CONSERVATION</b> ARTESIA DISTRICT	
	SEP 22 2017	

**IV. Well Completion Data**

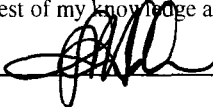
<sup>21</sup> Spud Date 4/30/17	<sup>22</sup> Ready Date 8/4/17	<sup>23</sup> TD 17351'M 8974'V	<sup>24</sup> PBTD 17290'M 8974'V	<sup>25</sup> Perforations 17187-9946'	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set		<sup>30</sup> Sacks Cement	
14-3/4"	10-3/4"	418'		350 ✓	
9-7/8"	7-5/8"	8348'		1870 ✓	
6-3/4"	5-1/2" X 4-1/2"	17341'		875 ✓	

RECEIVED

**V. Well Test Data**

<sup>31</sup> Date New Oil 8/6/17	<sup>32</sup> Gas Delivery Date 8/6/17	<sup>33</sup> Test Date 8/21/17	<sup>34</sup> Test Length 24 hrs.	<sup>35</sup> Tbg. Pressure ---	<sup>36</sup> Csg. Pressure 885
<sup>37</sup> Choke Size 64/64	<sup>38</sup> Oil 3460	<sup>39</sup> Water 4318	<sup>40</sup> Gas 7226	<sup>41</sup> Test Method Flowing	

<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: 

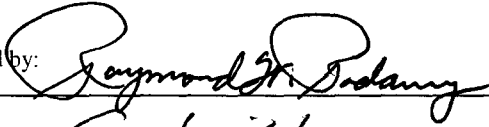
Printed name: Jana Mendiola

Title: Regulatory Coordinator

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

Date: 9/18/17      Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by: 

Title: Geologist.

Approval Date: 9-25-2017

Pending BLM approvals will subsequently be reviewed and scanned

**NM OIL CONSERVATION  
ARTESIA DISTRICT**

Form 3160-4  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR **SEP 22 2017**  
BUREAU OF LAND MANAGEMENT

FORM 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. NMNM81586	
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 23 FEDERAL COM 6H	
3. Address P.O. BOX 50250 MIDLAND, TX 79710		9. API Well No. 30-015-44095	
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 NMP At surface NESE 2329FSL 1173FEL 32.202052 N Lat, 103.967549 W Lon Sec 23 T24S R29E Mer NMP At top prod interval reported below NWSW 2133FSL 359FWL 32.201416 N Lat, 103.962657 W Lon Sec 24 T24S R29E Mer NMP At total depth NESW 2175FSL 2434FWL 32.201438 N Lat, 103.938679 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 22 T24S R29E Mer NMP	
14. Date Spudded 04/30/2017		15. Date T.D. Reached 06/22/2017	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 08/04/2017		17. Elevations (DF, KB, RT, GL)* 2949 GL	
18. Total Depth: MD 17351 TVD 8974		19. Plug Back T.D.: MD 17290 TVD 8974	
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)	
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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	418		350	83	0	
6.750	5.500 P110	20.0	0	8181		875	257	8188	
9.875	7.625 L80	29.7	0	8348	3060	1870	817	150	
6.750	4.500 P110	13.5	8181	17341		875	257	8188	

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) 2ND BONE SPRING	9946	17187	9946 TO 17187	0.420	1480	ACTIVE
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9946 TO 17187	11367090G SLICKWATER + 51912G 15% HCL ACID W/11118610# 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
08/06/2017	08/21/2017	24	→	3460.0	7226.0	4318.0			FLOWS FROM WELL
Choke Size	Tbg. Press Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64/64	SI	885.0	→	3460	7226	4318	2088	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	
	SI		→						

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

ELECTRONIC SUBMISSION #388846 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OP

Pending BLM approvals will subsequently be reviewed and scanned

*sc* 9-25-17

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	3187	3894	OIL, GAS, WATER	RUSTLER	313
CHERRY CANYON	3895	5087	OIL, GAS, WATER	SALADO	740
BRUSHY CANYON	5088	6738	OIL, GAS, WATER	CASTILE	1466
BONE SPRING	6739	7416	OIL, GAS, WATER	DELAWARE	3028
1ST BONE SPRING	7417	8615	OIL, GAS, WATER	BELL CANYON	3187
2ND BONE SPRING	8616	8974	OIL, GAS, WATER	CHERRY CANYON	3895
				BRUSHY CANYON	5088
				BONE SPRING	6739

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

1ST BONE SPRING 7417'M  
2ND BONE SPRING 8616'M

Logs were mailed 9/19/17.

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 #388846 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 09/18/2017

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 \*\***

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.  
NMNM81586

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  Other

8. Well Name and No.  
CEDAR CANYON 23 FEDERAL COM 6H

2. Name of Operator  
OXY USA INC. Contact: JANA MENDIOLA  
E-Mail: janalyn\_mendiola@oxy.com

9. API Well No.  
30-015-44095

3a. Address  
P.O. BOX 50250  
MIDLAND, TX 79710

3b. Phone No. (include area code)  
Ph: 432-685-5936

10. 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 Mer NMP NESE 2329FSL 1173FEL  
32.202052 N Lat, 103.967549 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 recomplete 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 7/1/17, RIH & clean out to PBTD @ 17290', pressure test csg to 9500# for 30 min, good test. RIH & perf @ 17187-17038, 16991-16841, 16794-16693, 16596-16447, 16400-16254, 16202-16053, 16005-15856, 15809-15666, 15612-15462, 15416-15265, 15217-15068, 15021-14876, 14823-14674, 14630-14477, 14429-14280, 14232-14086, 14035-13886, 13838-13689, 13641-13488, 13444-13295, 13249-13093, 13050-12901, 12853-12704, 12656-12504, 12459-12310, 12266-12113, 12065-11914, 11868-11719, 11667-11522, 11475-11325, 11277-11128, 11080-10931, 10876-10734, 10686-10537, 10489-10346, 10292-10143, 10097-9946' Total 1480 holes. Frac in 37 stages w/ 11367090g Slick Water + 51912g 15% HCl acid w/ 11118610# sand, RD C&J Energy Services 7/23/17. RIH & clean out, flow to clean up and test well for potential.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT  
SEP 22 2017  
RECEIVED

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #388851 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 09/18/2017

**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 \_\_\_\_\_

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

Pending BLM approvals will subsequently be reviewed and scanned

SC 9-25-17

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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.  
NMNM81586

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**

8. Well Name and No  
CEDAR CANYON 23 FEDERAL COM 6H

9. API Well No.  
30-015-44095

10. Field and Pool or Exploratory Area  
PIERCE CROSSING BN SPRG,E

11. County or Parish, State  
EDDY COUNTY, NM

1. Type of Well  
 Oil Well  Gas Well  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 22 T24S R29E Mer NMP NESE 2329FSL 1173FEL  
32.202052 N Lat, 103.967549 W Lon

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 recomplete 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.

OXY USA Inc. respectfully requests a tubing exception while continuing to flow back this well. The estimated date of tubing install is 11/01/2017.

**NM OIL CONSERVATION**  
ARTESIA DISTRICT

SEP 22 2017

RECEIVED

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

**Electronic Submission #388882 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 09/18/2017

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

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ie United

(Instructions on page 2)

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

*RW 9-25-17*