

**NM OIL CONSERVATION**

District I  
1625 N. French Dr., Hobbs, NM 88240

ARTESIA DISTRICT, State of New Mexico  
Energy, Minerals & Natural Resources

Form C-104  
Revised August 1, 2011

District II  
811 S. First St., Artesia, NM 88210

FEB 12 2018

Submit one copy to appropriate District Office

District III  
1000 Rio Brazos Rd., Aztec, NM 87410

Oil Conservation Division

District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

RECEIVED  
20 South St. Francis Dr.  
Santa Fe, NM 87505

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 - 015-44337	<sup>5</sup> Pool Name COTTON DRAW; BONE SPRING	<sup>6</sup> Pool Code 13367
<sup>7</sup> Property Code: 316483	<sup>8</sup> Property Name: PATTON MDP1 18 FEDERAL	<sup>9</sup> Well Number: 2H

**II. <sup>10</sup> Surface Location NSL-7522**

Ul or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
C	18	24S	31E		170	NORTH	1898	WEST	EDDY

**<sup>11</sup> Bottom Hole Location TOP PERF- 432' FNL 1432' FWL BOTTOM PERF- 358' FSL 1463' FWL**

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	18	24S	31E		205	SOUTH	1466	WEST	EDDY

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code : P	<sup>14</sup> Gas Connection Date: 12/10/17	<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
	GREAT LAKES PETROLEUM TRANSPORTATION, LLC	O
151618	ENTERPRISE FIELD SERVICES LLC	G

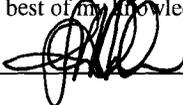
**IV. Well Completion Data**

<sup>21</sup> Spud Date 9/6/17	<sup>22</sup> Ready Date 12/7/17	<sup>23</sup> TD 14817'M 10084'V	<sup>24</sup> PBSD 14762'M 10084'V	<sup>25</sup> Perforations 10159-14663'	<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"	644'		830 /	
12-1/4"	9-5/8"	4343'		1215 /	
8-1/2"	5-1/2"	14802'		2130 /	
	2-7/8"	9935'		NA	

**V. Well Test Data**

<sup>31</sup> Date New Oil 12/9/17	<sup>32</sup> Gas Delivery Date 12/10/17	<sup>33</sup> Test Date 12/18/17	<sup>34</sup> Test Length 24 hrs.	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Press 801
<sup>37</sup> Choke Size 52/128	<sup>38</sup> Oil 1955	<sup>39</sup> Water 2989	<sup>40</sup> Gas 4016		<sup>41</sup> Test Meth 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: 2/9/2018

Phone: 432-685-5936

OIL CONSERVATION DIVISION

Approved by: 

Title:  
Geologist

Approval Date:  
2-26-2018

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  
BUREAU OF LAND MANAGEMENT

FEB 12 2018

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM89819

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.  
 Other \_\_\_\_\_

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

3. Address P.O. BOX 50250 MIDLAND, TX 79710 3a. Phone No. (include area code)  
Ph: 432-685-5936

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface NENW 170FNL 1898FWL 32.224124 N Lat, 103.819529 W Lon  
 At top prod interval reported below NENW 432FNL 1432FWL 32.223657 N Lat, 103.821007 W Lon  
 At total depth SESW 205FSL 1466FWL 32.210562 N Lat, 103.821020 W Lon

14. Date Spudded 09/06/2017 15. Date T.D. Reached 11/14/2017 16. Date Completed  
 D & A  Ready to Prod. 12/07/2017

6. If Indian, Allottee or Tribe Name  
7. Unit or CA Agreement Name and No.  
8. Lease Name and Well No. PATTON MDP1 18 FEDERAL 2H  
9. API Well No. 30-015-44337  
10. Field and Pool, or Exploratory COTTON DRAW; BONE SPRING  
11. Sec., T., R., M., or Block and Survey or Area Sec 18 T24S R31E Mer NMP  
12. County or Parish EDDY 13. State NM  
17. Elevations (DF, KB, RT, GL)\* 3534 GL

18. Total Depth: MD 14817 TVD 10084 19. Plug Back T.D.: MD 14762 TVD 10084 20. Depth Bridge Plug Set: MD TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
MUD LOG, CBL

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit analysis)  
 Directional Survey?  No  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	644		830	200	0	
12.250	9.625 L80	47.0	0	4343		1215	391	0	
8.500	5.500 P110	20.0	0	14802		2130	663	968	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	9935	9935						

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 2ND BONE SPRING	10159	14663	10159 TO 14663	0.420	880	ACTIVE
B)						
C)						
D)						

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) 2ND BONE SPRING	10159	14663	10159 TO 14663	0.420	880	ACTIVE
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10159 TO 14663	6904002G SLICKWATER + 22939G 7.5% HCL ACID W/884361000# 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
12/09/2017	12/18/2017	24	→	1955.0	4016.0	2989.0			GAS LIFT
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
52/128	SI	801.0	→	1955	4016	2989	2054	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 #404074 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
 \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OI SC 2-27-18

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	4311	5194	OIL, GAS, WATER	RUSTLER	599
CHERRY CANYON	5195	6415	OIL, GAS, WATER	SALADO	951
BRUSHY CANYON	6416	8120	OIL, GAS, WATER	CASTILE	2824
BONE SPRING	8121	9072	OIL, GAS, WATER	DELAWARE	4281
1ST BONE SPRING	9073	9407	OIL, GAS, WATER	BELL CANYON	4311
2ND BONE SPRING	9408	10084	OIL, GAS, WATER	CHERRY CANYON	5195
				BRUSHY CANYON	6416
				BONE SPRING	8121

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

1ST BONE SPRING 9073'M  
2ND BONE SPRING 9408'M

Logs were mailed 2/12/18.

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 #404074 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 02/09/2018

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.

**Additional data for transaction #404074 that would not fit on the form**

**32. Additional remarks, continued**

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
NEW MEXICO  
ARTESIA DISTRICT

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.  
NMNM89819

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.  
PATTON MDP1 18 FEDERAL 2H

9. API Well No.  
30-015-44337

10. Field and Pool or Exploratory Area  
COTTON DRAW; BONE SPRING

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 18 T24S R31E NENW 170FNL 1898FWL  
32.224125 N Lat, 103.819527 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	
	<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 11/20/17, RIH & clean out to PBD @ 14762', pressure test csg to 9815# for 30 min, good test. RIH & perf @ 14663-14506, 14456-14303, 14249-14092, 14042-13885, 13835-13678, 13626-13471, 13421-13264, 13214-13057, 13007-12850, 12800-12641, 12593-12436, 12386-12229, 12183-12022, 11972-11812, 11765-11608, 11558-11401, 11351-11197, 11142-10987, 10937-10780, 10730-10573, 10527-10366, 10347-10159' Total 880 holes. Frac in 22 stages w/ 6904002g Slick Water + 22939g 7.5% HCl acid w/ 884361000# sand, RD Schlumberger 11/28/17. 1/31/18 RUPU, RIH & clean out, POOH, RIH with 2-7/8" tbg & pkr set @ 9935', RIH w/gas lift, RD 2/3/18. Pump to clean up and turn well over to production.

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

**Electronic Submission #404071 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 02/09/2018

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

Approved By \_\_\_\_\_

Title \_\_\_\_\_

Date \_\_\_\_\_

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 to States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

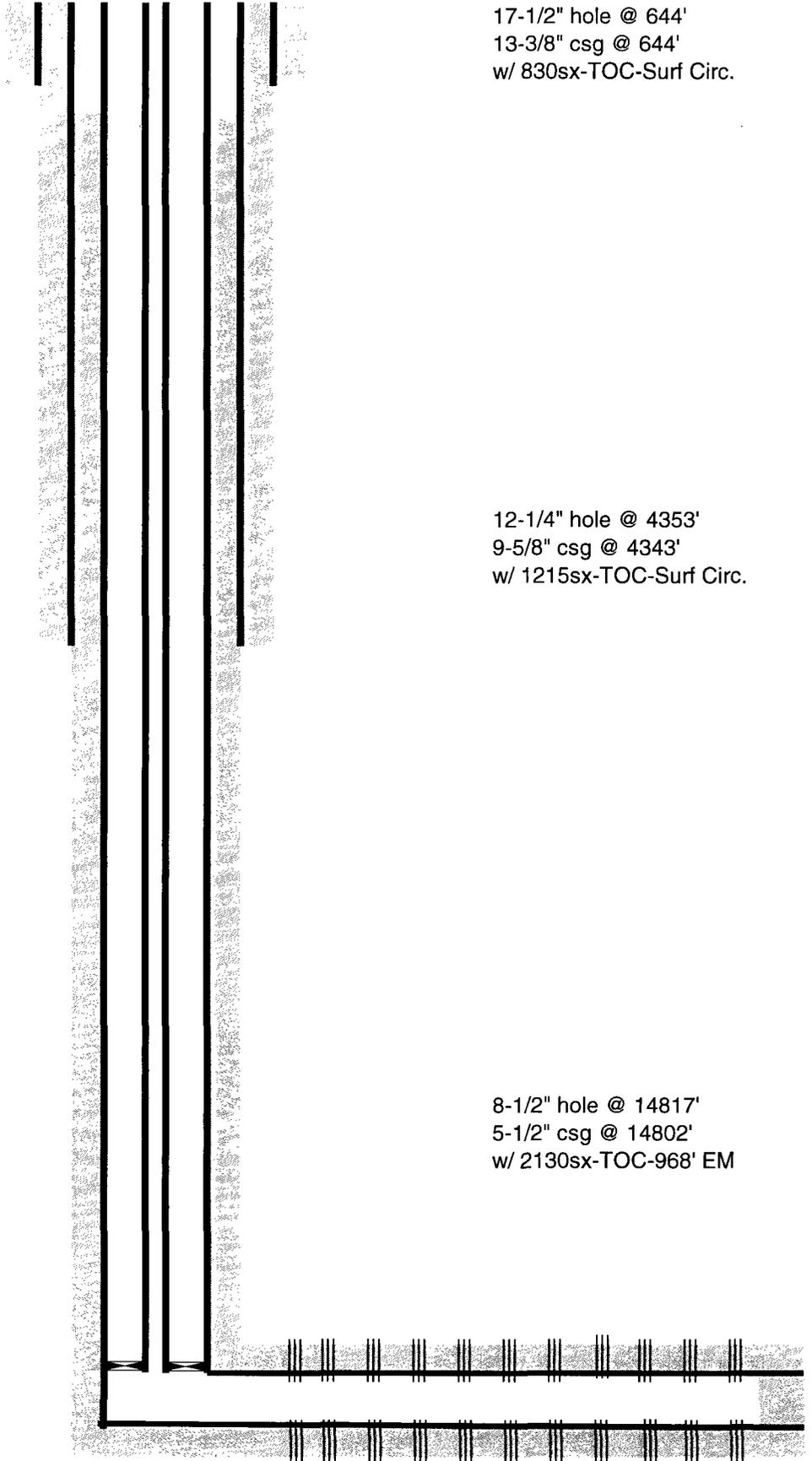
Pending BLM approvals will subsequently be reviewed and scanned

(Instructions on page 2)

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

DC 2-27-18

OXY USA Inc.  
Patton MDP1 18 Federal 2H  
API No. 30-015-44337



17-1/2" hole @ 644'  
13-3/8" csg @ 644'  
w/ 830sx-TOC-Surf Circ.

12-1/4" hole @ 4353'  
9-5/8" csg @ 4343'  
w/ 1215sx-TOC-Surf Circ.

8-1/2" hole @ 14817'  
5-1/2" csg @ 14802'  
w/ 2130sx-TOC-968' EM

2-7/8" tbg & pkr @ 9935'

Perfs @ 10159-14663'

TD- 14817'M 10084'V