

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

Form C-104  
Revised August 1, 2011

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

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

<sup>1</sup> Operator name and Address BTA OIL PRODUCERS LLC 104 S. PECOS; MIDLAND, TX. 79701		<sup>2</sup> OGRID Number 260297
		<sup>3</sup> Reason for Filing Code/ Effective Date 6/27/2018
<sup>4</sup> API Number 30 - 015-43438	<sup>5</sup> Pool Name PURBLE SAGE-WOLFCAMP (GAS) PURPLE SAGE-WOLFCAMP (GAS)	<sup>6</sup> Pool Code 98220
<sup>7</sup> Property Code 37294	<sup>8</sup> Property Name HARROUN RANCH FED COM, 20702	<sup>9</sup> Well Number 3H

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

UL or lot no.N	Section 20	Township 23S	Range2 29E	Lot Idn	170	SOUTH	2465	WEST	County EDDY
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<sup>11</sup> Bottom Hole Location

UL or lot no C	Section 17	Township 23S	Range 29E	Lot Idn	51.5	NORTH	1979	WEST	EDDY
<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method FLOWING	<sup>14</sup> Gas Connection 6/11/2018	<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 PLAINS MARKETING P.O. BOX 4648 HOUSTON, TX. 77210	<sup>20</sup> O/G/W O
	SENDERO CARLSBAD MIDSTREAM, LLC 1000 LOUISIANA AVE., SUITE 6900 HOUSTON, TX. 77002	G
	RECEIVED APR 04 2019 DISTRICT II-ARTESIA O.C.D.	

IV. Well Completion Data

<sup>21</sup> Spud Date 1/24/2018	<sup>22</sup> Ready Date 6/11/2018	<sup>23</sup> TD 21240	<sup>24</sup> PBTD	<sup>25</sup> Perforations 11180-20995	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size 17 1/2"	<sup>28</sup> Casing & Tubing Size 13 3/8"	<sup>29</sup> Depth Set 364	<sup>30</sup> Sacks Cement 375		
12 1/4"	9 5/8"	2819	895		
8 3/4"	7"	10912	1225		
6 1/8"	4 1/2"	21190	750		

V. Well Test Data

<sup>31</sup> Date New Oil 6/11/2018	<sup>32</sup> Gas Delivery Date 6/18/2018	<sup>33</sup> Test Date 6/24/2018	<sup>34</sup> Test Length 24	<sup>35</sup> Tbg. Pressure NA	<sup>36</sup> Csg. Pressure 4450
<sup>37</sup> Choke Size 16/64	<sup>38</sup> Oil 314	<sup>39</sup> Water 1083	<sup>40</sup> Gas 3121	<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:  
KATY REDDELL

Title:  
REGULATORY ANALYST

E-mail Address:  
Kreddell@btaoil.com

Date: 6/27/2018

Phone: 432-682-3753

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Pending BLM approvals will subsequently be reviewed and scanned

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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APR 04 2019

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-drill an abandoned well. Use form 3160-3 (APD) for such proposals.

DISTRICT II-ARTESIA O.C.D.

5. Lease Serial No.  
NMNM119271

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
HARROUN RANCH FED COM 20702 3H9. API Well No.  
30-015-4343810. Field and Pool or Exploratory Area  
PURPLE SAGE, WOLFCAMP11. County or Parish, State  
EDDY COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
BTA OIL PRODUCERS LLC  
Contact: KATY REDDELL  
E-Mail: kreddell@btaoil.com3a. Address  
104 S PECOS STREET  
MIDLAND, TX 797013b. Phone No. (include area code)  
Ph: 432-682-3753 Ext: 1394. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 20 T23S R29E SESW 170FSL 2465FWL

## 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 Drilling Operations
	<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 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.

2/09/2018: SPUD WELL

2/09/2018: DRILLED 17-1/2" HOLE TO 365'. SET 13-3/8 CASING @365' (54.5# J-55 STC) WITH 375 SACKS OF CEMENT. CEMENT CIRCULATED TO SURFACE. WOC 24 HOURS. GOOD TEST.

2/12/2018: DRILLED 12-1/4" HOLE TO 2,829. SET 9-5/8" CASING @2,819 WITH 895 SACKS CEMENT. CEMENT CIRCULATED TO SURFACE. GOOD TEST.

2/16/2018: DRILLED 8-3/4" HOLE TO 10,922. SET CASING 7" CASING @ 10,912 (29# P-110 TXP-BTC) WITH 1225 SACKS CEMENT. CEMENT CIRCULATED TO SURFACE. GOOD TEST.

3/18/2018: DRILLED 6-1/8" HOLE TO 21,190'. SET 4-1/2" LINER 10,161' - 21,183' (13.5# P-110 TXP-BTC)

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

Electronic Submission #428077 verified by the BLM Well Information System  
For BTA OIL PRODUCERS LLC, sent to the Carlsbad

Name (Printed/Typed) KATY REDDELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/19/2018

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

(Instructions on page 2)

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned

ited

**Additional data for EC transaction #428077 that would not fit on the form**

**32. Additional remarks, continued**

WITH 750 SACKS CEMENT. CEMENT CIRCULATED TO SURFACE. TEST LINER TOP TO 1,500 PSI. TEST OKAY.

3/19/2018: RIG RELEASED.

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APR 04 2019

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

DISTRICT II-ARTESIA O.O.D.

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM119271	
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 BTA OIL PRODUCERS		7. Unit or CA Agreement Name and No.	
Contact: KATY REDDELL E-Mail: kreddell@btaoil.com		8. Lease Name and Well No. HARROUN RANCH FED COM 20702 3H	
3. Address 104 SOUTH PECOS STREET MIDLAND, TX 79701		9. API Well No. 30-015-43438-00-S1	
3a. Phone No. (include area code) Ph: 432-557-2869 Ext: 139		10. Field and Pool, or Exploratory LAGUNA SALADO	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESW 170FSL 2465FWL Sec 20 T23S R29E Mer NMP At top prod interval reported below SESW 170FSL 2465FWL Sec 20 T23S R29E Mer NMP At total depth NENW 52FNL 1979FWL Sec 17 T23S R29E Mer NMP		11. Sec., T., R., M., or Block and Survey or Area Sec 20 T23S R29E Mer NMP	
14. Date Spudded 02/08/2018		15. Date T.D. Reached 03/18/2018	
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 05/03/2018		17. Elevations (DF, KB, RT, GL)* 2987 GL	
18. Total Depth: MD 21190 TVD 10855		19. Plug Back T.D.: MD TVD	
20. Depth Bridge Plug Set: MD TVD		21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CALIPER GAMMARAY	
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 J-55	54.5	0	364		375		0	
12.250	9.625 J-55	36.0	0	2819		895		0	
8.750	7.000 P-110	29.0	0	10912		1225		0	
6.125	4.500 P-110	13.5	10161	21183		750		0	

X3

## 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) WOLFCAMP	9839	10871	11180 TO 20905	0.420	40	PRODUCING - Wolfcamp
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11180 TO 20905	503,109 BBLS FLUID; 24,161,940 # 100 MESH AND 40/70 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
06/11/2018	06/24/2018	24	→	389.0	3070.0	1315.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
17/64	SI	4400.0	→	389	3070	1315	7892	PGW	

## 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 #426748 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

\*\* BLM REVISED \*\* BLM REVISED \*\* BLM REVISED \*\* BLM R

Pending BLM approvals will  
subsequently be reviewed  
and scanned

## 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
WOLFCAMP	9839	10871		RUSTLER	212
				TOP SALT	536
				DELAWARE	2862
				BELL CANYON	3145
				BONE SPRING	6577
				WOLFCAMP	9839

32. Additional remarks (include plugging procedure):  
Tubing has not been put in well yet.

## 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 #426748 Verified by the BLM Well Information System.  
For BTA OIL PRODUCERS, sent to the Carlsbad  
Committed to AFMSS for processing by DUNCAN WHITLOCK on 07/10/2018 (18DW0200SE)

Name (please print) KATY REDDELL

Title REGULATORY ANALYST

Signature (Electronic Submission)

Date 07/09/2018

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.

\*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\* REVISED \*\*

## Revisions to Operator-Submitted EC Data for Well Completion #426748

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM119271	NMNM119271
Agreement:		
Operator:	BTA OIL PRODUCERS LLC 104 S PECOS MIDLAND, TX 79701 Ph: 432-682-3753	BTA OIL PRODUCERS 104 SOUTH PECOS STREET MIDLAND, TX 79701 Ph: 432.682.3753
Admin Contact:	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com  Ph: 432-682-3753 Ext: 139	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com Cell: 432-557-2869 Ph: 432-557-2869 Ext: 139
Tech Contact:	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com  Ph: 432-682-3753 Ext: 139	KATY REDDELL REGULATORY ANALYST E-Mail: kreddell@btaoil.com Cell: 432-557-2869 Ph: 432-557-2869 Ext: 139
Well Name:	HARROUN RANCH FED COM 20702	HARROUN RANCH FED COM 20702
Number:	3H	3H
Location:		
State:	NM	NM
County:	EDDY	EDDY
S/T/R:	Sec 20 T23S R29E Mer	Sec 20 T23S R29E Mer NMP
Surf Loc:	SESW Lot N 170FSL 2465FWL	SESW 170FSL 2465FWL
Field/Pool:	PURPLE SAGE, WOLFCAMP	LAGUNA SALADO
Logs Run:	CALIPER/GAMMA RAY	CALIPER GAMMARAY
Producing Intervals - Formations:		WOLFCAMP
Porous Zones:	WOLFCAMP	WOLFCAMP
Markers:	RUSTLER TOP SALT DELAWARE BELL CANYON BONE SPRING WOLFCAMP	RUSTLER TOP SALT DELAWARE BELL CANYON BONE SPRING WOLFCAMP