

RECEIVED  
AUG 07 2018  
OCD Artesia

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM119271

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
HARROUN RANCH FED COM 20702 4H

9. API Well No.  
30-015-43414-00-S1

10. Field and Pool, or Exploratory  
PURPLE SAGE-WOLFCAMP (GAS)

11. Sec., T., R., M., or Block and Survey  
or Area Sec 20 T23S R29E Mer NMP

12. County or Parish  
EDDY

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
2987 GL

18. Total Depth: MD 21240 TVD 10925

19. Plug Back T.D.: MD TVD

20. Depth Bridge Plug Set: MD TVD

22. Was well cored?  No  Yes (Submit analysis)  
Was DST run?  No  Yes (Submit analysis)  
Directional Survey?  No  Yes (Submit analysis)

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  
BTA OIL PRODUCERS Contact: KATY REDDELL  
E-Mail: kreddell@btaoil.com

3. Address 104 SOUTH PECOS STREET  
MIDLAND, TX 79701 3a. Phone No. (include area code)  
Ph: 432-557-2869 Ext: 139

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface SESW 160FSL 2493FWL  
At top prod interval reported below  
Sec 17 T23S R29E Mer NMP  
At total depth NWNE 50FNL 1980FEL

14. Date Spudded  
01/24/2018 15. Date T.D. Reached  
04/20/2018 16. Date Completed  
 D & A  Ready to Prod.  
06/11/2018

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        | 396         |                      | 375                         | 875               | 0           |               |
| 12.250    | 9.625 J-55  | 36.0        | 0        | 2857        |                      | 905                         | 1200              | 0           |               |
| 8.750     | 7.000 P-110 | 29.0        | 0        | 10922       |                      | 1220                        | 3245              | 0           |               |
| 6.125     | 4.500 P-110 | 13.5        | 10225    | 21226       |                      | 750                         | 1178              | 0           |               |

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 | 11180 | 20995  | 11180 TO 20995      | 0.420 | 40        | PRODUCING - Wolfcamp |
| B)          |       |        |                     |       |           |                      |
| C)          |       |        |                     |       |           |                      |
| D)          |       |        |                     |       |           |                      |

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

| Depth Interval | Amount and Type of Material                             |
|----------------|---|
| 11180 TO 20995 | 506,747 BBLs FLUID; 24,205,230 # 100 MES 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          | 06/25/2018        | 24           | →               | 312.0   | 3130.0  | 1334.0    |                       |             | FLOWS FROM WELL   |
| Choke Size          | Tbg. Press. Flwg. | Csg. Press.  | 24 Hr. Rate     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |
| 16/24               | SI                | 4400.0       | →               | 312     | 3130    | 1334      |                       | 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                |              | →               |         |         |           |                       |             |                   |

ACCEPTED FOR RECORD  
JUL 19 2018  
BUREAU OF LAND MANAGEMENT  
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)  
ELECTRONIC SUBMISSION #426764 VERIFIED BY THE BLM WELL INFORMATION SYSTEM  
\*\* BLM REVISED \*\*

Reclamation Due: 12/11/2018

28b. Production - Interval C

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | 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<br>→     | Oil BBL | Gas MCF | Water BBL | Gas:Oil Ratio         | Well Status |                   |

28c. Production - Interval D

|                     |                      |              |                      |         |         |           |                       |             |                   |
|---------------------|----------------------|--------------|----------------------|---------|---------|-----------|-----------------------|-------------|-------------------|
| Date First Produced | Test Date            | Hours Tested | Test Production<br>→ | 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<br>→     | 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  | 11180 | 20995  |                              | RUSTLER<br>TOP SALT<br>DELAWARE<br>BELL CANYON<br>BONE SPRING<br>WOLFCAMP | 212<br>525<br>2860<br>3146<br>6574<br>9850 |

32. Additional remarks (include plugging procedure):  
Well currently does not have tubing.

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 #426764 Verified by the BLM Well Information System.**  
For BTA OIL PRODUCERS, sent to the Carlsbad  
Committed to AFMSS for processing by DINAH NEGRETE on 07/19/2018 (18DCN0063SE)

Name (please print) KATY REDDELL

Title REGULATORY ANALYST

Signature \_\_\_\_\_ (Electronic Submission)

Date 07/10/2018

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 \*\***