

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTOCD Hobbs  
HOBBBSFORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NMNM85940

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.  
NMNM1390638. Lease Name and Well No.  
URRACA 23 32 11 AV FED COM 24H9. API Well No.  
30-025-42226-00-S110. Field and Pool, or Exploratory  
DIAMONDTAIL-BONE SPRING11. Sec., T., R., M., or Block and Survey  
or Area Sec 11 T23S R32E Mer NMP12. County or Parish  
LEA 13. State  
NM17. Elevations (DF, KB, RT, GL)\*  
3715 GL1a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other2. Name of Operator  
MARATHON OIL PERMIAN LLC Contact: JENNIFER VAN CUREN  
E-Mail: jvancuren@marathonoil.com3. Address 5555 SAN FELIPE STREET  
HOUSTON, TX 77056 3a. Phone No. (include area code)  
Ph: 713.296.2500

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NENW 0460FNL 1624FWL 32.193102 N Lat, 103.648750 W Lon

At top prod interval reported below NENW 460FNL 1624FWL

At total depth SESW 286FSL 1979FWL

14. Date Spudded  
09/14/201815. Date T.D. Reached  
09/27/201816. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/01/201918. Total Depth: MD 14356  
TVD 9696 19. Plug Back T.D.: MD  
TVD 20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
MUD&GR22. 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	1278	1278	1155		0	486
12.250	9.625 J55	40.0	0	4886	4886	1650		0	657
8.750	5.500 P110	20.0	0	14347	14347	2760		0	819

## 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) BONE SPRING	9680	14216	9680 TO 14216	0.000	672	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9680 TO 14216	10,679,120 LBS - 40/70:100 MESH

## 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
01/03/2019	01/13/2019	24	→	510.0	968.0	2598.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	SI	510.0	→	510	968	2598		POW	

## 28a. Production - Interval B

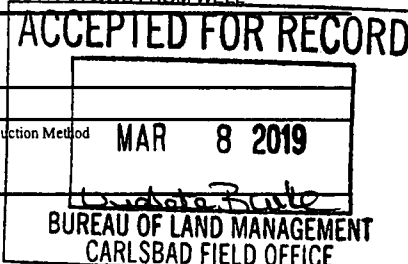
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

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

ELECTRONIC SUBMISSION #452532 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

Reclamation Due 07-03-2019



## 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
RUSTLER	1206	1676	N/A	RUSTLER	1206
SALADO	1676	3562	N/A	SALADO	1676
CASTILE	3562	4824	N/A	CASTILE	3562
BASE OF SALT	4824	4941	N/A	BASE OF SALT	4824
LAMAR	4941	4996	N/A	LAMAR	4941
BELL CANYON	4996	6102	HYDROCARBONS	BELL CANYON	4996
CHERRY CANYON	6102	7120	N/A	CHERRY CANYON	6102
				BRUSHY CANYON	7120

32. Additional remarks (include plugging procedure):  
Summary of Porous Zones (continued)

Brushy Canyon 7120 - 8733' NA  
Bone Spring 8733 - 9668' Hydrocarbons

## Formation (Log) Markers (continued)

## 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 #452532 Verified by the BLM Well Information System.

For MARATHON OIL PERMIAN LLC, sent to the Hobbs

Committed to AFMSS for processing by DEBORAH HAM on 02/14/2019 (19DMH0047SE)

Name (please print) JENNIFER VAN CUREN

Title SR. REGULATORY COMPLIANCE REP

Signature (Electronic Submission)

Date 01/30/2019

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.

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**Additional data for transaction #452532 that would not fit on the form**

**32. Additional remarks, continued**

Bone Spring 8733'