NM OIL CONSERVATION
ARTESIA DISTRICT
MAR 28 2018
OCD Artesia

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

5. Lease Serial No. NMNM0554771

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator: MARATHON OIL PERMIAN LLC.
Contact: MELISSA SZUDERA
E-Mail: mszudera@marathonoil.com

8. Lease Name and Well No.: BOOTLEGGER 21 FEDERAL COM 1H

3. Address: 5555 SAN FELIPE STREET, HOUSTON, TX 77056

3a. Phone No. (include area code): Ph: 713-296-3179

9. API Well No.: 30-015-43970

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
At surface: Sec 16 T20S R29E Mer NMP SESE 240FSL 360FEL 32.566757 N Lat, 104.072124 W Lon
At top prod interval reported below: Sec 16 T20S R29E Mer NMP SESE 240FSL 360FEL 32.566757 N Lat, 104.072124 W Lon
At total depth: Sec 21 T20S R29E Mer NMP SESE 345FSL 360FEL 32.552638 N Lat, 104.072126 W Lon

10. Field and Pool, or Exploratory: GETTY; BONE SPRING

11. Sec., T., R., M., or Block and Survey or Area: Sec 16 T20S R29E Mer NMP

12. County or Parish: EDDY

13. State: NM

14. Date Spudded: 05/30/2017

15. Date T.D. Reached: 06/23/2017 RR 6-26-17

16. Date Completed: ☐ D & A ☒ Ready to Prod. 07/21/2017 7-27-17

17. Elevations (DF, KB, RT, GL)*: ~~3309~~ RB 3284 GR

18. Total Depth: MD 12869 TVD 7973

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)
GR & RESISTIVITY

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
26.000	20.000 J55	94.0	25	425		1025	246	129	
17.500	13.375 J55	54.5	25	~~1246~~ 1328		1250	366	25	
12.250	9.625 L80-IC	40.0	25	3126		755	210	2606	
8.750	5.500 P110	20.0	25	12869		2405	759	25	

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	7826	7813						

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	BONE SPRING	8329	12781	8329 TO 12781	42.000	960	PRODUCING
B)							
C)							
D)							

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

Depth Interval	Amount and Type of Material
8329 TO 12781	30 STAGE FRAC WITH 960 SHOTS, 9,167,060 LBS PROPANT AND 184,547 BBLS WATER

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
08/05/2017	08/23/2017	24	→	910.0	1485.0	2368.0			FLOWS FROM WELL

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
	480	0.0	→	910	1485	2368		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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status
			→					

ACCEPTED FOR RECORD
MAR 26 2018
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

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

ELECTRONIC SUBMISSION #407035 VERIFIED BY THE BLM WELL INFORMATION SYSTEM
**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

Reclamation Due: 1/21/2018

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.)*
CAPTURED

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	500				
BASE SALT	1300				
TANSILL	1375				
YATES	1500				
SEVEN RIVER	1750				
BRUSHY CANYON	4450				
BONE SPRING LIME	6200				
BONE SPRING	7450				

32. Additional remarks (include plugging procedure):

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 #407035 Verified by the BLM Well Information System.
For MARATHON OIL PERMIAN LLC., sent to the Carlsbad

Name *(please print)* MELISSA SZUDERA Title REGULATORY COMPLIANCE REP

Signature (Electronic Submission) Date 03/08/2018

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 fradulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****