

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OGD
OCB HOBBS
AUG 06 2018
RECEIVED

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMNM13647

1a. Type of Well Oil Well Gas Well Dry Other

b. Type of Completion New Well Work Over Deepen Plug Back Diff. Resvr.
Other Completed Well Name

2. Name of Operator
MARATHON OIL PERMIAN LLC Contact: JENNIFER VAN CUREN
E-Mail: jvancuren@marathonoil.com

3. 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 SWSW 185FSL 330FWL 32.065605 N Lat, 103.396957 W Lon
At top prod interval reported below SWSW 330FSL 330FWL 32.066002 N Lat, 103.396957 W Lon
At total depth NWNW 332FNL 315FWL 32.078712 N Lat, 103.396980 W Lon

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No. *Federal*

8. Lease Name and Well No.
CAVE LION FEDERAL 26 35 5 TB 1H

9. API Well No.
30-025-44087-00-S1

10. Field and Pool, or Exploratory
JABALINA

11. Sec., T., R., M., or Block and Survey or Area Sec 5 T26S R35E Mer NMP

12. County or Parish LEA 13. State NM

14. Date Spudded 12/10/2017 15. Date T.D. Reached 12/29/2017 16. Date Completed D & A Ready to Prod. 02/20/2018 17. Elevations (DF, KB, RT, GL)* 3271 GL

18. Total Depth: MD 17054 TVD 12406 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)
MUDANDGR 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
12.250	9.625 L80	40.0	28	5423	5435	1649		28	
8.750	7.000 P110	29.0	29	11835	11835	1035		4672	
17.500	13.375 J55	54.5	30	1110	1120	928		30	
6.125	4.500 P110	13.5	11568	17050	17050	555		11568	

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) BRUSHY CANYON			12478 TO 16970	0.000	930	OPEN
B) BONE SPRING	12478	16970				
C)						
D)						

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

Depth Interval	Amount and Type of Material
12478 TO 16972	11,251.313 - 4070; 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
02/20/2018	02/20/2018	24	→	1869.0	301.0	11948.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
54	SI	0	→	1869	301	11948	161	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
02/20/2018	03/02/2018	24	→	1869.0	301.0	11948.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
54	SI	0	→	1869	301	11948		POW	

ACCEPTED FOR RECORD
JUL 22 2018
Wendy Hearn
BUREAU OF LAND MANAGEMENT
CARLSBAD FIELD OFFICE

(See Instructions and spaces for additional data on reverse side)
ELECTRONIC SUBMISSION #407194 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

Reclamation Due: 8/20/2018

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.)
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	1068	1504	BARREN	RUSTLER	1068
SALADO	1504	3540	BARREN	SALADO	1504
CASTILE	3540	5099	BARREN	CASTILE	3540
BASE OF SALT	5099	5363	BARREN	BASE OF SALT	5099
LAMAR LS	5363	5392	BARREN	LAMAR LS	5363
BELL CANYON	5392	7865	OIL/GAS/WATER	BELL CANYON	5392
BRUSHY CANYON	7865	9345	OIL/GAS/WATER	BRUSHY CANYON	7865
BONE SPRING	9345	10460	OIL/GAS/WATER		

32. Additional remarks (include plugging procedure):

Summary of Porous Zones continued:

Formation	Top	Bottom	Description
-First Bone Spring	10460	11035	Oil/Gas/Water
-Second Bone Spring	11026	12122	Oil/Gas Water
-Third Bone Spring	12122	12406	Oil/Gas Water

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 #407194 Verified by the BLM Well Information System.
For MARATHON OIL PERMIAN LLC, sent to the Hobbs
Committed to AFMSS for processing by DUNCAN WHITLOCK on 03/12/2018 (18DW0100SE)

Name (please print) JENNIFER VAN CUREN Title SR. REGULATORY COMPLIANCE REP

Signature _____ (Electronic Submission) Date 03/09/2018

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 ****

Additional data for transaction #407194 that would not fit on the form

32. Additional remarks, continued

Formation (Log) Marker Continued:

- Bone Spring 9345
- First Bone Spring 10460
- Second Bone Spring 11026
- Third Bone Spring 12122