

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD Hobbs

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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 ☐ Other _____

2. Name of Operator
MARATHON OIL PERMIAN LLC Contact: JENNIFER VAN CURE 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 480FWL 32.065601 N Lat, 103.396469 W Lon
At top prod interval reported below SWSW 330FSL 330FWL 32.066002 N Lat, 103.396957 W Lon
At total depth NWNW 330FNL 330FWL 32.078712 N Lat, 103.396980 W Lon

6. If Indian, Allottee or Tribe Name
7. Unit or CA Agreement Name and No.
8. Lease Name and Well No.
CAVE LION FEDERAL 26 35 5 WA 5H
9. API Well No.
30-025-44102-00-S1
10. Field and Pool, or Exploratory
WOLFCAMP
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
10/31/2017 15. Date T.D. Reached
12/03/2017 16. Date Completed
☐ D & A ☒ Ready to Prod.
02/20/2018 17. Elevations (DF, KB, RT, GL)*
3271 GL
18. Total Depth: MD 17275
TVD 12636 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
8.750	7.000 P110	29.0	3	11835	11840	1186		1032	0
17.500	13.375 J55	61.0	29	1077	1106	928		29	432
12.250	9.625 J55	40.0	29	5440	5450	1212		29	424
6.125	4.500 P110IC	13.5	11536	17266	17266	562		11525	43

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	12690	17178	12690 TO 17178	0.000	930	OPEN
B)						
C)						
D)						

26. Perforation Record

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

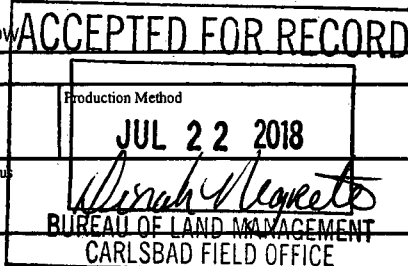
Depth Interval	Amount and Type of Material
12690 TO 17178	11,099,078 - 40/70; 100 MESH

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
02/20/2018	03/01/2018	24	→	1076.0	2034.0	6732.0			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	
42	SI	1040.0	→	1076	2034	6732		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	
			→						



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

ELECTRONIC SUBMISSION #407220 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	1067	1503	BARREN	RUSTLER	1067
SALADO	1503	3539	BARREN	SALADO	1503
CASTILE	3539	5098	BARREN	CASTILE	3539
BASE OF SALT	5098	5362	BARREN	BASE OF SALT	5098
LAMAR LS	5362	5391	BARREN	LAMAR LS	5362
BELL CANYON	5391	6611	OIL/GAS/WATER	BELL CANYON	5391
CHERRY CANYON	6611	7864	OIL/GAS/WATER	CHERRY CANYON	6611
BRUSHY CANYON	7864	9344	OIL/GAS/WATER	BRUSHY CANYON	7864

32. Additional remarks (include plugging procedure):

Summary of Porous Zones continued:

Formation	Top	Bottom	Description
Bone Spring	9344	10452	Oil/Gas/Water
First Bone Spring	10452	10974	Oil/Gas/Water
Second Bone Spring	10974	12052	Oil/Gas Water
Third Bone Spring	12052	12479	Oil/Gas Water
Wolfcamp	12479	12636	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 #407220 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 (18DW0101SE)

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 ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED **

Additional data for transaction #407220 that would not fit on the form

32. Additional remarks, continued

Formation (Log) Marker Continued:

Bone Spring 9344

First Bone Spring 10452

Second Bone Spring 10974

Third Bone Spring 12052

Wolfcamp 12479