

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Marathon Oil Permian LLC 5555 San Felipe St., Houston, TX 77056		² OGRID Number 372098
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 025-45189	⁵ Pool Name FAIRVIEW MILLS, WOLFCAMP (GASO)	⁶ Pool Code 76560
⁷ Property Code 322431	⁸ Property Name ENDER WIGGINS 14 WD FC	⁹ Well Number 2H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
E	14	25S	34E		2449	NORTH	582	WEST	LEA

¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
D	11	25S	34E		331	NORTH	322	WEST	LEA
¹² Lse Code F	¹³ Producing Method Code P	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date				

III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
	ORYX GATHERING	O
	LUCID ENERGY	G

HOBBS OCD
JAN 21 2020
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IV. Well Completion Data

²¹ Spud Date 4/4/2019	²² Ready Date 10/1/2019	²³ TD 21101' / 13660'	²⁴ PBDT 21032' / 13688'	²⁵ Perforations 13841' - 20992'	²⁶ DHC, MC
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
17 1/2"	13 3/8"	1024'	770		
12 1/4"	9 5/8"	5349'	1385		
8 3/4"	7 5/8"	11641'	819		
6 1/8"	5 1/2" 4 1/2"	8650' - 9552' 9552' - 21074'	1865		

V. Well Test Data

³¹ Date New Oil 10/3/2019	³² Gas Delivery Date	³³ Test Date 10/30/2019	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure 0	³⁶ Csg. Pressure 3200
³⁷ Choke Size 36	³⁸ Oil 586	³⁹ Water 7809	⁴⁰ Gas 2639		⁴¹ Test Method Flowing
⁴² I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief. Signature: <i>[Signature]</i>			OIL CONSERVATION DIVISION		
Printed name: Adrian Covarrubias			Approved by: <i>[Signature]</i>		
Title: Regulatory Professional			Title: <i>L.M.</i>		
E-mail Address: acovarrubias@marathonoil.com			Approval Date: <i>2/10/2020</i>		
Date: 11/5/2019		Phone: 713-296-3368			

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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:** ADRIAN COVARRUBIAS
E-Mail: jvancuren@marathonoil.com

3. Address 5555 SAN FELIPE STREET
HOUSTON, TX 77056 **3a. Phone No. (include area code)**
Ph: 713-296-3368

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
Sec 14 T25S R34E Mer NMP
At surface SWNW 2449FNL 582FWL 32.130901 N Lat, 103.446945 W Lon
Sec 14 T25S R34E Mer NMP
At top prod interval reported below SWNW 2449FNL 582FWL
Sec 11 T25S R34E Mer NMP
At total depth NWNW 331FNL 322FWL

5. Lease Serial No. NMMN113419

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No. ENDER WIGGINS 14 WD FC 2H

9. API Well No. 30-025-45189-00-S1

10. Field and Pool, or Exploratory FAIRVIEW MILLS-WOLFCAMP

11. Sec., T., R., M., or Block and Survey or Area Sec 14 T25S R34E Mer NMP

12. County or Parish LEA **13. State** NM

14. Date Spudded 04/04/2019 **15. Date T.D. Reached** 06/17/2019 **16. Date Completed**
☐ D & A ☒ Ready to Prod. 10/01/2019

17. Elevations (DF, KB, RT, GL)* 3331 GL

18. Total Depth: MD 21101 TVD 13827 **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
17.500	13.375 J55	54.5	0	1024		770		0	
12.250	9.625 J55	40.0	0	5349		1385		0	
8.750	7.625 P110	29.7	0	11641		819		0	
6.125	5.500 P110	23.0	8650	9552		1865		213	
6.125	4.500 P110	15.1	9552	21074		1865		213	

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	13841	20992	13841 TO 20992	0.000	780	ACTIVE OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
13841 TO 20992	19,845,807 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
10/03/2019	10/30/2019	24	→	586.0	2639.0	7809.0			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	
36	SI	2250.0	→	586	2639	7809		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. SI	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 #491288 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

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
SALADO	1366	3565	BRINE	SALADO	1366
CASTILE	3565	5089	BRINE	CASTILE	3565
BASE OF SALT	5089	5374	BRINE	BASE OF SALT	5089
LAMAR	5374	5405	OIL, GAS, AND WATER	BELL CANYON	5405
BELL CANYON	5405	6714	OIL, GAS, AND WATER	LAMAR	5474
CHERRY CANYON	6714	8014	OIL, GAS, AND WATER	CHERRY CANYON	6714
BRUSHY CANYON	8014	8280	OIL, GAS, AND WATER	BRUSHY CANYON	8014
BONE SPRING	9280	12455	OIL, GAS, AND WATER	BONE SPRING	8280

32. Additional remarks (include plugging procedure):
SECTION 51 CONTINUED:
 WOLFCAMP 12455 - 13660 OIL, GAS, AND WATER
SECTION 52 CONTINUED:
 WOLFCAMP 12455

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 #491288 Verified by the BLM Well Information System.
For MARATHON OIL PERMIAN LLC, sent to the Hobbs
Committed to AFMSS for processing by JENNIFER SANCHEZ on 12/11/2019 (20JAS0086SE)

Name (please print) ADRIAN COVARRUBIAS Title CTR - TECHNICIAN HES

Signature _____ (Electronic Submission) Date 11/06/2019

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.

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

Revisions to Operator-Submitted EC Data for Well Completion #491288

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM113419	NMNM113419
Agreement:		
Operator:	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE HOUSTON, TX 77056 Ph: 713-296-3368	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE STREET HOUSTON, TX 77056
Admin Contact:	ADRIAN COVARRUBIAS CTR - TECHNICIAN HES E-Mail: acovarrubias@marathonoil.com Ph: 713-296-3368	ADRIAN COVARRUBIAS CTR - TECHNICIAN HES E-Mail: jvancuren@marathonoil.com Ph: 713-296-3368
Tech Contact:	ADRIAN COVARRUBIAS CTR - TECHNICIAN HES E-Mail: acovarrubias@marathonoil.com Ph: 713-296-3368	ADRIAN COVARRUBIAS CTR - TECHNICIAN HES E-Mail: jvancuren@marathonoil.com Ph: 713-296-3368
Well Name:	ENDER WIGGINS 14 WD FC	ENDER WIGGINS 14 WD FC
Number:	2H	2H
Location:		
State:	NM	NM
County:	LEA	LEA
S/T/R:	Sec 14 T25S R34E Mer NMP	Sec 14 T25S R34E Mer NMP
Surf Loc:	SWNW 2449FNL 582FWL	SWNW 2449FNL 582FWL 32.130901 N Lat, 103.446945 W Lon
Field/Pool:	FAIRVIEW MILLS; WOLFCAMP	FAIRVIEW MILLS-WOLFCAMP
Logs Run:	MUD AND GR	MUDANDGR
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	SALADO CASTILE BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING	SALADO CASTILE BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING
Markers:	SALADO CASTILE BASE OF SALT LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING	SALADO CASTILE BASE OF SALT BELL CANYON LAMAR CHERRY CANYON BRUSHY CANYON BONE SPRING

