

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

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

Form C-104
Revised August 1, 2011

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
⁴ API Number 30 - 025-45187		⁵ Pool Name PITCHFORK RANCH; WOLFCAMP SOUTH
⁷ Property Code 322429	⁸ Property Name ENDER WIGGINS 14 WA FO	⁶ Pool Code 96994
		⁹ Well Number 1H

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	612	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		982	NORTH	334	WEST	LEA

¹² Lse Code	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
F	P				

III. Oil and Gas Transporters

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

IV. Well Completion Data

²¹ Spud Date	²² Ready Date	²³ TD	²⁴ PBTD	²⁵ Perforations	²⁶ DHC, MC
4/5/2019	10/1/2019	19319 / 12601	19271 / 12600	12613' - 19251'	

²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement
17 1/2"	13 3/8"	1032'	880
12 1/4"	9 5/8"	5369'	1450
8 3/4"	7"	11635'	935
6 1/8"	Liner: 4 1/2" Tubing: 2 7/8"	Liner: 11303' - 19319' Tubing: 11274'	1273

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date	³³ Test Date	³⁴ Test Length	³⁵ Tbg. Pressure	³⁶ Csg. Pressure
10/1/2019		10/10/2019	24 hrs	0	2250

³⁷ Choke Size	³⁸ Oil	³⁹ Water	⁴⁰ Gas	⁴¹ Test Method
32	1799	4161	2297	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:

Printed name: Adrian Covarrubias

Title: Regulatory Professional

E-mail Address: acovarrubias@marathonoil.com

Date: 12/19/2019

Phone: 713-296-3368

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

P. Martin
L.M.
2/10/2020

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

HOBBS OGD
JAN 21 2020

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		5. Lease Serial No. NMNM113419	
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		6. If Indian, Allottee or Tribe Name	
2. Name of Operator MARATHON OIL PERMIAN LLC E-Mail: jvancuren@marathonoil.com		7. Unit or CA Agreement Name and No.	
3. Address 5555 SAN FELIPE STREET HOUSTON, TX 77056		8. Lease Name and Well No. ENDER WIGGINS 14 WA FC 1H	
3a. Phone No. (include area code) Ph: 713-296-3368		9. API Well No. 30-025-45187-00-S1	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* Sec 14 T25S R34E Mer NMP At surface SWNW 2449FNL 612FWL 32.130901 N Lat, 103.446846 W Lon Sec 14 T25S R34E Mer NMP At top prod interval reported below SWNW 2449FNL 612FWL Sec 11 T25S R34E Mer NMP At total depth NWNW 982FNL 334FWL		10. Field and Pool, or Exploratory PITCHFORK RANCH 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 04/05/2019	15. Date T.D. Reached 07/10/2019	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/01/2019	17. Elevations (DF, KB, RT, GL)* 3332 GL
18. Total Depth: MD TVD 19313 12688	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? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	1032		880		0	
12.250	9.625 J55	40.0	0	5369		1450		0	
8.750	7.000 P110	29.0	0	11635		935		2127	
6.125	4.500 P110	13.5	11303	19319		1273		11303	

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	12613	19251	12613 TO 19251	0.000	754	ACTIVE OPEN
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
12613 TO 19251	16,783,649 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
10/01/2019	10/10/2019	24	→	1799.0	2297.0	4161.0			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	
32		2250.0	→	1799	2297	4161		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	

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

ELECTRONIC SUBMISSION #491289 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	1367	3566	BRINE	SALADO	1367
CASTILE	3566	5090	BRINE	CASTILE	3566
BASE OF SALT	5090	5383	OIL, GAS, AND WATER	BASE OF SALT	5090
LAMAR	5383	5412	OIL, GAS, AND WATER	LAMAR	5383
BELL CANYON	5412	6712	OIL, GAS, AND WATER	BELL CANYON	5412
CHERRY CANYON	6712	7996	OIL, GAS, AND WATER	CHERRY CANYON	6712
BRUSHY CANYON	7996	9321	OIL, GAS, AND WATER	BRUSHY CANYON	7996
BONE SPRING	9321	12449	OIL, GAS, AND WATER	BONE SPRING	9321

32. Additional remarks (include plugging procedure):

SECTION 51 CONTINUED:

WOLFCAMP 12449 - 12601 OIL, GAS, AND WATER

SECTION 52 CONTINUED:

WOLFCAMP 12449

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 #491289 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 (20JAS0087SE)

Name (please print) ADRIAN COVARRUBIASTitle CTR - TECHNICIAN HESSignature (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 ****

Revisions to Operator-Submitted EC Data for Well Completion #491289

	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: Number:	ENDER WIGGINS 14 WA FC 1H	ENDER WIGGINS 14 WA FC 1H
Location: State: County: S/T/R: Surf Loc:	NM LEA Sec 14 T25S R34E Mer NMP SWNW 2449FNL 612FWL	NM LEA Sec 14 T25S R34E Mer NMP SWNW 2449FNL 612FWL 32.130901 N Lat, 103.446846 W Lon
Field/Pool:	PITCHFORK RANCH; WOLFCAMP	PITCHFORK RANCH
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 LAMAR BELL CANYON CHERRY CANYON BRUSHY CANYON BONE SPRING