

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

<sup>1</sup> Operator name and Address Marathon Oil Permian LLC 5555 San Felipe St., Houston, TX 77056		<sup>2</sup> OGRID Number 372098
<sup>4</sup> API Number 30 - 025-45187		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>5</sup> Pool Name PITCHFORK RANCH; WOLFCAMP SOUTH	<sup>6</sup> Pool Code 96994	RECEIVED JAN 21 2020 KAC
<sup>7</sup> Property Code 322429	<sup>8</sup> Property Name ENDER WIGGINS 14 WA FO	
<sup>9</sup> Well Number 1H		

II. <sup>10</sup> 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

<sup>11</sup> 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

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

III. Oil and Gas Transporters

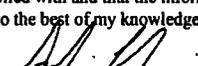
<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
	ORYX GATHERING	O
	LUCID ENERGY	G

IV. Well Completion Data

<sup>21</sup> Spud Date	<sup>22</sup> Ready Date	<sup>23</sup> TD	<sup>24</sup> PBTD	<sup>25</sup> Perforations	<sup>26</sup> DHC, MC
4/5/2019	10/1/2019	19319 / 12601	19271 / 12600	12813' - 19251'	
<sup>27</sup> Hole Size	<sup>28</sup> Casing & Tubing Size	<sup>29</sup> Depth Set	<sup>30</sup> 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

<sup>31</sup> Date New Oil	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date	<sup>34</sup> Test Length	<sup>35</sup> Tbg. Pressure	<sup>36</sup> Csg. Pressure
10/1/2019		10/10/2019	24 hrs	0	2250
<sup>37</sup> Choke Size	<sup>38</sup> Oil	<sup>39</sup> Water	<sup>40</sup> Gas	<sup>41</sup> Test Method	
32	1799	4161	2297	Flowing	

<sup>42</sup> 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	OIL CONSERVATION DIVISION	
	Approved by: 	
	Title: L.M.	
	Approval Date: 2/10/2020	
	Phone: 713-296-3368	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

**HOBBS OCD**  
JAN 21 2020

FORM 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  Diff. Resvr.  
 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)\*  
 At surface **Sec 14 T25S R34E Mer NMP SWNW 2449FNL 612FWL 32.130901 N Lat, 103.446846 W Lon**  
 At top prod interval reported below **Sec 14 T25S R34E Mer NMP SWNW 2449FNL 612FWL**  
 At total depth **Sec 11 T25S R34E Mer NMP NWNW 982FNL 334FWL**

5. Lease Serial No. **NMNM113419**  
 6. If Indian, Allottee or Tribe Name \_\_\_\_\_  
 7. Unit or CA Agreement Name and No. \_\_\_\_\_

8. Lease Name and Well No. **ENDER WIGGINS 14 WA FC 1H**  
 9. API Well No. **30-025-45187-00-S1**

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  D & A  Ready to Prod. **10/01/2019**  
 17. Elevations (DF, KB, RT, GL)\* **3332 GL**

18. Total Depth: MD **19313** TVD **12688** 19. Plug Back T.D.: MD **MD** TVD **TVD** 20. Depth Bridge Plug Set: MD **MD** TVD **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	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) <b>WOLFCAMP</b>	<b>12613</b>	<b>19251</b>	<b>12613 TO 19251</b>	<b>0.000</b>	<b>754</b>	<b>ACTIVE OPEN</b>
B)						
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
<b>12613 TO 19251</b>	<b>16,783,649 LBS - 40/70; 100 MESH</b>

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
<b>10/01/2019</b>	<b>10/10/2019</b>	<b>24</b>	<b>→</b>	<b>1799.0</b>	<b>2297.0</b>	<b>4161.0</b>			<b>FLOWS FROM WELL</b>
Choke Size	Tbg. Press. Fwgs.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
<b>32</b>	<b>SI</b>	<b>2250.0</b>	<b>→</b>	<b>1799</b>	<b>2297</b>	<b>4161</b>		<b>PGW</b>	

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
			<b>→</b>						
Choke Size	Tbg. Press. Fwgs.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	<b>SI</b>		<b>→</b>						

(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 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 \*\***

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

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
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