

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 87412  
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

<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>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 025-41968	<sup>5</sup> Pool Name DIAMONDTAIL; BONE SPRING	<sup>6</sup> Pool Code 17644
<sup>7</sup> Property Code 313466-321028	<sup>8</sup> Property Name URRACA 11 SB FEDERAL COM	<sup>9</sup> Well Number 4H

### II. <sup>10</sup> Surface Location

UI or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West line	County
D	11	23S	32E		362	FNL	459	FWL	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
M	11	23S	32E		286	FSL	631	FWL	LEA

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code 2	<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
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### III. Oil and Gas Transporters

<sup>18</sup> Transporter OGRID	<sup>19</sup> Transporter Name and Address	<sup>20</sup> O/G/W
248440	Western Refining Company, L.P.	O
	Lucid Energy	G

### IV. Well Completion Data

<sup>21</sup> Spud Date 6/21/2018	<sup>22</sup> Ready Date 1/4/19	<sup>23</sup> TD 9/8/2018	<sup>24</sup> PBSD	<sup>25</sup> Perforations 10918-14065	<sup>26</sup> DHC, MC
<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"	1288'	1090		
12 1/4"	9 5/8"	4889'	1755		
8 3/4"	5 1/2"	15575'	2690		

### V. Well Test Data

<sup>31</sup> Date New Oil 1/15/2019	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date 1/15/2019	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 0	<sup>36</sup> Csg. Pressure 640
<sup>37</sup> Choke Size 64	<sup>38</sup> Oil 475	<sup>39</sup> Water 2885	<sup>40</sup> Gas 972		<sup>41</sup> Test Method 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: *Adrian Covarrubias*

Printed name: Adrian Covarrubias

Title: CTR - Technician HES

E-mail Address: acovarrubias@marathonoil.com

Date: 1/21/2019

Phone: 713-296-3368

OIL CONSERVATION DIVISION

Approved by: *Karen Sharp*

Title: *Staff Mgr*

Approval Date: *2-26-19*

Documents pending BLM approvals will subsequently be reviewed and scanned

Provide tubing detail when available

HOBBS OCD

Form 3160-4  
(August 2007)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FEB 20 2019

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

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
NNMN859401a. Type of Well ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other  
b. Type of Completion ☒ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☐ Diff. Resvr.  
Other \_\_\_\_\_

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
MARATHON OIL PERMIAN LLC Contact: JENNIFER VAN CUREN  
E-Mail: jvancuren@marathonoil.com8. Lease Name and Well No.  
URRACA 11 SB FEDERAL COM 4H3. Address 5555 SAN FELIPE ST  
HOUSTON, TX 770563a. Phone No. (include area code)  
Ph: 713-296-25009. API Well No.  
30-025-41968

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface NWNW 362FNL 459FWL

At top prod interval reported below NWNW 362FNL 459FWL

At total depth SWSW 286FSL 631FWL

10. Field and Pool, or Exploratory  
DIAMONDTAIL; BONE SPRING11. Sec., T., R., M., or Block and Survey  
or Area Sec 11 T23S R32E Mer NMP12. County or Parish  
LEA13. State  
NM14. Date Spudded  
06/21/201815. Date T.D. Reached  
09/08/201816. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/04/201917. Elevations (DF, KB, RT, GL)\*  
3713 GL18. Total Depth: MD 15582  
TVD 1095519. Plug Back T.D.: MD  
TVD20. Depth Bridge Plug Set: MD  
TVD21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
MUD & GR22. 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1288	1288	1090		0	422
12.250	9.625 J55	40.0	0	4889	4889	1755		0	631
8.750	5.500 P110	20.0	0	15575	15575	2690		5000	0

## 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) BONE SPRING	10918	14065	10918 TO 14065	0.360	624	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
10918 TO 14065	10,574,330 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
01/05/2019	01/15/2019	24	→	475.0	972.0	2885.0			FLOW FROM WELL
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
64	0	640.0	→					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 #452522 VERIFIED BY THE BLM WELL INFORMATION SY.

\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED

Documents pending BLM approvals will  
subsequently be reviewed and scanned

LIMITED \*\*

**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
SURFACE	0	1206	N/A	RUSTLER	1206
RUSTLER	1206	1679	N/A	SALADO	1679
SALADO	1679	3565	N/A	CASTILE	3565
CASTILE	3565	4827	N/A	BASE OF SALT	4827
BASE OF SALT	4827	4944	N/A	LAMAR	4944
LAMAR	4944	5002	N/A	BELL CANYON	5002
BELL CANYON	5002	6084	HYDROCARBONS	CHERRY CANYON	84
CHERRY CANYON	6084	7073	N/A	BRUSHY CANYON	7073

**32. Additional remarks (include plugging procedure):  
Summary of Porous Zones (continued)**

Brushy Canyon 7073 - 8769 Hydrocarbons  
Bone Spring 8769 - 1095' Hydrocarbons

**Formation (Log) Markers (continued)**
**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 #452522 Verified by the BLM Well Information System.  
For MARATHON OIL PERMIAN LLC, sent to the Hobbs**

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

Signature (Electronic Submission) Date 01/30/2019

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.

**\*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\* ORIGINAL \*\***

**Additional data for transaction #452522 that would not fit on the form**

**32. Additional remarks, continued**

Bone Spring 8769'