

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 S. 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>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 025-42226	<sup>5</sup> Pool Name DIAMONDTAIL; BONE SPRING	<sup>6</sup> Pool Code 17644
<sup>7</sup> Property Code 321028	<sup>8</sup> Property Name URRACA 11 AV FEDERAL COM	<sup>9</sup> Well Number 24H

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
C	11	23S	32E		430	FNL	1614	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
N	11	23S	32E		286	FSL	1979	FWL	LEA
<sup>12</sup> Lse Code F	<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				

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 9/14/2018	<sup>22</sup> Ready Date 1-1-19	<sup>23</sup> TD 9/27/2018	<sup>24</sup> PBTD	<sup>25</sup> Perforations 9680-14216	<sup>26</sup> DHC, MC
<sup>27</sup> Hole Size 17 1/2"	<sup>28</sup> Casing & Tubing Size 13 3/8"	<sup>29</sup> Depth Set 1278'	<sup>30</sup> Sacks Cement 1155		
12 1/4"	9 5/8"	4886'	1650		
8 3/4"	5 1/2"	14347	2760		

V. Well Test Data

<sup>31</sup> Date New Oil 1/3/2019	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date 1/13/2019	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 0	<sup>36</sup> Csg. Pressure 510
<sup>37</sup> Choke Size 64	<sup>38</sup> Oil 510	<sup>39</sup> Water 2598	<sup>40</sup> Gas 968		<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

Approved by: *Karen Sharp*

Title: *Staff Mgr*

Approval Date: 2-26-19

Documents pending BLM approvals will subsequently be reviewed and scanned

Provide Additional Points required by new Horizontal Rule effective 6-26-18

Provide tubing detail when available

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM85940

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.  
URRACA 11 AV FEDERAL COM 24H

9. API Well No.  
30-025-42226

10. Field and Pool, or Exploratory  
DIAMONDTAIL; BONE SPRING

11. Sec., T., R., M., or Block and Survey  
or Area Sec 11 T23S R32E Mer NMP

12. County or Parish  
LEA

13. State  
NM

17. Elevations (DF, KB, RT, GL)\*  
3715 GL

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: JENNIFER VAN CUREN  
E-Mail: jvancuren@marathonoil.com

3. Address 5555 SAN FELIPE ST  
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 NENW 460FNL 1624FWL

At top prod interval reported below NENW 460FNL 1624FWL

At total depth SESW 286FSL 1979FWL

14. Date Spudded  
09/14/2018

15. Date T.D. Reached  
09/27/2018

16. Date Completed  
☐ D & A ☒ Ready to Prod.  
01/01/2019

18. Total Depth: MD 14356  
TVD 9696

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)  
MUD & GR

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17.500	13.375 J55	54.5	0	1278	1278	1155		0	486
12.250	9.625 J55	40.0	0	4886	4886	1650		0	657
8.750	5.500 P110	20.0	0	14347	14347	2760		0	819

**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) BONE SPRING	9680	14216	9680 TO 14216	0.360	672	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
9680 TO 14216	10,679,120 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
01/03/2019	01/13/2019	24	→	510.0	968.0	2598.0			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	
64	0	510.0	→					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		
			→						

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

ELECTRONIC SUBMISSION #452532 VERIFIED BY THE BLM WELL INFORMATION  
\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMIT

Documents pending BLM approvals will subsequently be reviewed and scanned

## 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	1676	N/A	SALADO	1676
SALADO	1676	3562	N/A	CASTILE	3562
CASTILE	3562	4824	N/A	BASE OF SALT	4824
BASE OF SALT	4824	4941	N/A	LAMAR	4941
LAMAR	4941	4996	N/A	BELL CANYON	4996
BELL CANYON	4996	6102	HYDROCARBONS	CHERRY CANYON	6102
CHERRY CANYON	6102	7120	N/A	BRUSHY CANYON	7120

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

Brushy Canyon 7120 - 8733' NA  
Bone Spring 8733 - 9668' 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 #452532 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 #452532 that would not fit on the form**

**32. Additional remarks, continued**

Bone Spring 8733'