

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 - 025-42636		<sup>3</sup> Reason for Filing Code/ Effective Date NW
<sup>6</sup> Pool Name WC-025 G-06 S213326D; Bone Spring		<sup>6</sup> Pool Code 97929
<sup>7</sup> Property Code 318156	<sup>8</sup> Property Name Battle 34 Federal	<sup>9</sup> Well Number 4H

**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
M	27	21S	33E		191'	South	960'	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
M	34	21S	33E		249'	South	943'	West	Lea

<sup>12</sup> Lse Code F	<sup>13</sup> Producing Method Code F	<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
174238	Enterprise Crude Oil 210 Park Avenue, Suite 1500, Oklahoma City, OK 73102	O

**IV. Well Completion Data**

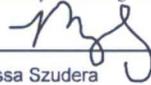
15953/10974 V-10940-10975

<sup>21</sup> Spud Date 5/5/2017	<sup>22</sup> Ready Date 6/6/2017	<sup>23</sup> TD 7/26/2017	<sup>24</sup> PBTD	<sup>25</sup> Perforations 11,203 - 15,663'	<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		
24"	20"	1,633'	2350		
17 1/2"	13 3/8"	3,553'	2480		
12 1/2"	9 5/8"	5,350'	1042		
8 3/4"	5 1/2"	15,953'	1830		

**V. Well Test Data**

<sup>31</sup> Date New Oil 7/26/2017	<sup>32</sup> Gas Delivery Date	<sup>33</sup> Test Date 10/2/2017	<sup>34</sup> Test Length 24 hrs	<sup>35</sup> Tbg. Pressure 210	<sup>36</sup> Csg. Pressure 140
<sup>37</sup> Choke Size 46	<sup>38</sup> Oil 1022	<sup>39</sup> Water 1008	<sup>40</sup> Gas 568	<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.

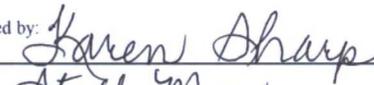
Signature: 

Printed name: Melissa Szudera  
Title: Regulatory Compliance Representative

E-mail Address: mszudera@marathonoil.com

Date: 04/16/2018 Phone: 713-296-3179

OIL CONSERVATION DIVISION

Approved by: 

Title: Staff Mgr.

Approval Date: 4-16-18

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

*Amended*

FORM APPROVED  
OMB NO. 1004-0137  
Expires: January 31, 2018

**SUNDRY NOTICES AND REPORTS ON WELLS**  
*Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.*

5. Lease Serial No.  
NMNM132068

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
BATTLE 34 FEDERAL 4H

9. API Well No.  
30-025-42636

10. Field and Pool or Exploratory Area  
BONE SPRING

11. County or Parish, State  
LEA COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
MARATHON OIL PERMIAN, LLC  
Contact: MELISSA B SZUDERA  
E-Mail: mszudera@marathonoil.com

3a. Address  
5555 SAN FELIPE STREET  
HOUSTON, TX 77056

3b. Phone No. (include area code)  
Ph: 713-296-3179

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Sec 27 T21S R33E Mer NMP SWSW 191FSL 960FWL

**HOBBES OCD**  
**APR 16 2018**  
**RECEIVED**

**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.

7/1/2017 MIRU and Started Frac Prep operations. 7/4/2017 start frac stages 1-31 with a total of 900 shots, 0.36 in size in the Bone Spring formation using 11,985,070 lbs. of 100 mesh, 30/50, and 40/70 sand. Stimulated with 1,511 bbls of 15% HCL acid. Turn well to flowback on 07/18/17. First oil on 7/26/2017. Turned over to production.

Marathon Oil Permian LLC request to keep this well as confidential for as long as allowed.

14. I hereby certify that the foregoing is true and correct.  
**Electronic Submission #411657 verified by the BLM Well Information System  
For MARATHON OIL PERMIAN, LLC, sent to the Hobbs**

Name (Printed/Typed) MELISSA B SZUDERA Title REGULATORY COMPLIANCE REP

Signature (Electronic Submission) Date 04/16/2018

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office \_\_\_\_\_

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.

(Instructions on page 2)

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

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

*Amended*

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

5. Lease Serial No.  
NMNM132068

1a. 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: MELISSA SZUDERA  
E-Mail: mszudera@marathonoil.com

8. Lease Name and Well No.  
BATTLE 34 FEDERAL 4H

3. Address **5555 SAN FELIPE STREET  
HOUSTON, TX 77056**

3a. Phone No. (include area code)  
Ph: 713-296-3179

9. API Well No.  
30-025-42636

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
At surface **Sec 27 T21S R33E Mer NMP  
SWSW 191FSL 960FWL**  
At top prod interval reported below **Sec 27 T21S R33E Mer NMP  
SWSW 191FSL 960FWL**  
At total depth **Sec 34 T21S R33E Mer NMP  
SWSW 249FSL 943FWL**

10. Field and Pool, or Exploratory  
BONE SPRING

11. Sec., T., R., M., or Block and Survey  
or Area **Sec 27 T21S R33E Mer NMP**

12. County or Parish  
LEA

13. State  
NM

14. Date Spudded  
05/05/2017

15. Date T.D. Reached  
06/06/2017

16. Date Completed  
 D & A  Ready to Prod.  
07/26/2017

17. Elevations (DF, KB, RT, GL)\*  
3671 GL

18. Total Depth: MD 15953 TVD 10974

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 AND 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 Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
24.000	20.000 J55	169.0	0	1633	1633	2350		0	775
17.500	13.375 J55	72.0	0	3553	3553	2480		0	728
12.500	9.625 L80	40.0	0	5350	5350	1042		0	
8.750	5.500 P110CY	20.0	0	15953	15953	1830		0	325

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.875	10805	10796						

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BONE SPRING	11329	15813	1203 TO 15663	0.360	900	OPEN
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
11203 TO 15663	1511 BBLS - 15% HCL ACID

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
07/26/2017	10/02/2017	24	→	1022.0	568.0	1008.0			FLOWS FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
46	SI 210	140.0	→					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.	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 #411656 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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

**HOBBS OCD  
APR 16 2018  
RECEIVED**

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
RUSTLER	1805	1905	BAREN	RUSTLER	1805
SALADO	1905	3740	BAREN	SALADO	1905
CASTILE	3740	3800	BAREN	CASTILE	3740
YATES	3800	4105	BAREN	YATES	3800
CAPITAN REEF	4105	5840	BAREN	CAPITAN REEF	4105
CHERRY CANYON	5840	8740	OIL/GAS/WATER	CHERRY CANYON	5840
BONE SPRING LIME	8740	10575	OIL/GAS/WATER	BONE SPRING LIME	8740
2ND BONE SPRING SAND	10575	11725	OIL/GAS/WATER	2ND BONE SPRING SAND	10575

32. Additional remarks (include plugging procedure):

Drilling was completed by BC Operating.

Summary of Porous Zones continued:  
3rd sand target 11725' - oil/gas/water

Formation Markers continued:  
3rd sand target 11725'

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 #411656 Verified by the BLM Well Information System.  
For MARATHON OIL PERMIAN LLC, sent to the Hobbs**

Name (please print) MELISSA SZUDERA Title REGULATORY COMPLIANCE REP

Signature \_\_\_\_\_ (Electronic Submission) Date 04/16/2018

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.

**Additional data for transaction #411656 that would not fit on the form**

**32. Additional remarks, continued**

Marathon Oil Permian LLC. requests to keep this well's status as confidential for as long as allowed.

**\*\*This is an updated completion report from the one submitted 03/12/2018 EC# 407332. Updates include change in BHL footages and an updated C-102 survey plat. All other information remains the same.\*\***