

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>3</sup> Reason for Filing Code/ Effective Date NW
<sup>4</sup> API Number 30 - 025-42636	<sup>5</sup> Pool Name WC-025 G-06 S213320; Bone Spring	<sup>6</sup> Pool Code 97929
<sup>7</sup> Property Code 160825	<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		240'	South	960'	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				

**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

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**IV. Well Completion Data**

<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> PBTB	<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: <i>Jennifer Van Curen</i> Printed name: Jennifer Van Curen Title: Sr. Regulatory Compliance Representative E-mail Address: jvancuren@marathonoil.com Date: 3/12/2018 Phone: 713-296-2500			<div style="text-align: center;">OIL CONSERVATION DIVISION <b>Denied</b> <i>K.S. 4-12-18</i></div>		

Surface and Bottom Hole locations reflected on forms are not consistent. There is not a sundry on file to modify the surface location. Correct and resubmit completion packet w/copy of DENIED Form C-104.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.

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

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other2. Name of Operator  
MARATHON OIL PERMIAN LLCContact: JENNIFER VAN CUREN  
E-Mail: jvancuren@marathonoil.com3a. Address  
5555 SAN FELIPE  
HOUSTON, TX 770563b. Phone No. (include area code)  
Ph: 713-296-2500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 27 T21S R33E 250FSL 961FWL

8. Well Name and No.  
BATTLE 34 FEDERAL 4H9. API Well No.  
30-025-4263610. Field and Pool or Exploratory Area  
WC-025G-06 S213326

11. County or Parish, State

LEA COUNTY, NM

**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	Production Start-up
	<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 recompleate 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 recompleation 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.

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14. I hereby certify that the foregoing is true and correct.

**Electronic Submission #405305 verified by the BLM Well Information System  
For MARATHON OIL PERMIAN LLC, sent to the Hobbs**

Name (Printed/Typed) JENNIFER VAN CUREN

Title SR. REGULATORY COMPLIANCE REP

Signature (Electronic Submission)

Date 02/21/2018

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

Approved By

Title

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

Pending BLM approvals will  
subsequently be reviewed  
and scanned

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 States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Department or agency of the United States

(Instructions on page 2)

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



District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office

HOBBES OGD

APR 11 2018

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WELL LOCATION AND ACREAGE DEDICATION

<sup>1</sup> API Number	<sup>2</sup> Pool Code 97929	<sup>3</sup> Pool Name WC-025 G-06 S213323D; BONE SPRING
<sup>4</sup> Property Code	<sup>5</sup> Property Name BATTLE 34 FEDERAL	<sup>6</sup> Well Number 4H
<sup>7</sup> OGRID No. 160825	<sup>8</sup> Operator Name B.C. OPERATING, INC.	<sup>9</sup> Elevation 3672'

<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	T21S	R33E		250'	SOUTH	961'	WEST	LEA

<sup>11</sup> Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
M	34	T21S	R33E		240'	SOUTH	960'	WEST	LEA

<sup>12</sup> Dedicated Acres 160.00	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

<sup>16</sup> 		<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <i>Jennifer Van Curen</i> Date: 2/21/2018 Printed Name: Jennifer Van Curen E-mail Address: jvancuren@marathonoil.com
<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: _____ Signature and Seal of Professional Surveyor: _____ THIS DOCUMENT IS NOT TO BE USED FOR CONSTRUCTION, BIDDING, RECORDATION, OR ANY OTHER PURPOSE WITHOUT THE ISSUANCE OF A PERMIT.		PRELIMINARY
NOTE: ALL DEMINIONS IN U.S. FEET		Certificate Number

Jennifer Van Curen  
Sr. Regulatory Compliance Representative



Marathon Oil Permian LLC  
5555 San Felipe St  
Houston, TX 77056  
Telephone 713.296.2500  
jvancuren@marathonoil.com

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Battle 34 Federal 4H  
30-025-42636

To whom it may concern,

This well was drilled by BC Operating and completed by Marathon Oil Permian LLC. I have requested data from BC several times and have not received complete information for the drilling-casing and cement. I have contacted Sarah Presley and she stated that she was going to get that information submitted for this well.

Best Regards,

A handwritten signature in cursive script that reads 'Jennifer Van Curen'.

Jennifer Van Curen



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to Appropriate  
District Office

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**GAS CAPTURE PLAN**

Date: 3/30/2018

☒ Original  
☐ Amended - Reason for Amendment: \_\_\_\_\_

Operator & OGRID No.: 372098

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomple to new zone, re-frac) activity.

*Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).*

**Well(s)/Production Facility – Name of facility**

The well(s) that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Battle 34 Federal 4H	30-025-42636	M-27-T21S-R33E	250' FSL 961 FWL	780	Flared	

**Gathering System and Pipeline Notification**

Well(s) will be connected to a production facility after flowback operations are complete, if gas transporter system is in place. The gas produced from production facility is dedicated to Versado Gas Processing and will be connected to low pressure gathering system located in Lea County, New Mexico. It will require less than 1 mile of pipeline to connect the facility to low/high pressure gathering system. Marathon provides (periodically) to Versado drilling, completion and estimated first production date for wells that are scheduled to be drilled in the foreseeable future. In addition, Marathon and Versado have periodic conference calls to discuss changes to drilling and completion schedules. Gas from these wells will be processed at Versado Processing Plant located in Lea County, New Mexico. The actual flow of the gas will be based on compression operating parameters and gathering system pressures.

**Flowback Strategy**

After the fracture treatment/completion operations, well(s) will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Gas sales should start as soon as the wells start flowing through the production facilities, unless there are operational issues on flowback system at that time. Based on current information, it is Marathon's belief the system can take this gas upon completion of the well(s).

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold on a temporary basis.

**Alternatives to Reduce Flaring**

Below are alternatives considered from a conceptual standpoint to reduce the amount of gas flared.

- Power Generation – On lease
  - Only a portion of gas is consumed operating the generator, remainder of gas will be flared
- Compressed Natural Gas – On lease
  - Gas flared would be minimal, but might be uneconomical to operate when gas volume declines
- NGL Removal – On lease
  - Plants are expensive, residue gas is still flared, and uneconomical to operate when gas volume declines