

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

¹ Operator name and Address Marathon Oil Permian LLC 5555 San Felipe St., Houston, TX 77056		² OGRID Number 372098
		³ Reason for Filing Code/ Effective Date NW
⁴ API Number 30 - 015-43295	⁵ Pool Name Purple Sage; Wolfcamp	⁶ Pool Code
⁷ Property Code 318232	⁸ Property Name Kyle 34 Federal Com	⁹ Well Number 5H

II. ¹⁰ Surface Location

UL or lot no. P	Section 34	Township 24S	Range 28E	Lot Idn	Feet from the 225'	North/South Line South	Feet from the 990'	East/West line East	County Eddy
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¹¹ Bottom Hole Location

UL or lot no. A	Section 34	Township 24S	Range 28E	Lot Idn	Feet from the 402'	North/South line North	Feet from the 1037'	East/West line East	County Eddy
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¹² L-se Code F	¹³ Producing Method Code	¹⁴ Gas Connection Date	¹⁵ C-129 Permit Number	¹⁶ C-129 Effective Date	¹⁷ C-129 Expiration Date
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III. Oil and Gas Transporters

¹⁸ Transporter OGRID 33479	¹⁹ Transporter Name and Address HollyFrontier Refining & Marketing LLC 10 Desta Dr., Suite 350W, Midland, TX 79705	²⁰ O/G/W O
NM OIL CONSERVATION ARTESIA DISTRICT		
APR 06 2018		
RECEIVED		

IV. Well Completion Data

²¹ Spud Date 6/10/2017	²² Ready Date 10/20/2017	²³ TD 14,347 ft.	²⁴ PBDT 4337	²⁵ Perforations 9682-14201	²⁶ DHC, MC MC
²⁷ Hole Size 17 1/2 in.	²⁸ Casing & Tubing Size 13 3/8 in.	²⁹ Depth Set 466 468.0 ft.	³⁰ Sacks Cement 475	SN 1-30-2018	
12 1/4 in.	9 5/8 in.	2640 2,640.0 ft.	2650	1,000	
8 3/4 in.	7 in.	977 9,772.0 ft.	9778	720	
6 1/8 in.	4 1/2 in.	8927- 14,347.0 ft.		530	

V. Well Test Data will submit an updated C-104 when test data is received

³¹ Date New Oil 12-4-2017	³² Gas Delivery Date 12-04-2017	³³ Test Date 12-14-17	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure	³⁶ Csg. Pressure 1750
³⁷ Choke Size 64/64	³⁸ Oil 2694	³⁹ Water 6967	⁴⁰ Gas 6196		⁴¹ Test Method Flowing

⁴² 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:

msz

Printed name:

Melissa Szudera

Title:

Regulatory Compliance Representative

E-mail Address:

mszudera@marathonoil.com

Date:

11/21/2017

Phone:

713-296-3179

OIL CONSERVATION DIVISION

Approved by:

Bustup Klen
Business Ops Spec A

Title:

Approval Date:

4-10-2018

**Provide tubing detail or
request Tubing Exception**

90 days expires
2-26-2018

Pending BLM approvals will
subsequently be reviewed
and scanned

44
12-27-18

NM OIL CONSERVATION ARTESIA DISTRICT

Form 3160-4
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APR 06 2018

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Lease Serial No.
NMNM25953

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____		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. KYLE 34 FEDERAL COM 5H
3. Address 5555 SAN FELIPE ST HOUSTON, TX 77056		9. API Well No. 30-015-43295-00-S1
3a. Phone No. (include area code) Ph: 713-296-3179		10. Field and Pool, or Exploratory PURPLE SAGE-WOLFCAMP (GAS)
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SESE 225FSL 990FEL 32.671469 N Lat, 104.069684 W Lon At top prod interval reported below SESE 225FSL 990FEL 32.671469 N Lat, 104.069684 W Lon At total depth NENE 357FNL 847FEL 32.180311 N Lat, 104.069343 W Lon		11. Sec., T., R., M., or Block and Survey or Area Sec 34 T24S R28E Mer NMP
14. Date Spudded 06/10/2017	15. Date T.D. Reached 07/01/2017 <i>CR7-4-2017</i>	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <i>12/01/2017 11-26-2017</i>
17. Elevations (DF, KB, RT, GL)* 2994 GL	18. Total Depth: MD 14337 TVD 9656	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) ML	
22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> 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	13.625 K55	54.5	25	466		400	194	25	
8.750	7.000 P110	29.0	27	9772		720	751	28	
12.250	9.625 K55	36.0	28	2640		1000	314	25	
6.125	4.500 P-110	13.5	8927	14347	<i>14337</i>	530	342	8927	<i>[Signature]</i>

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) WOLFCAMP	9450	9656	8927 TO 14347			OPEN - Wofcamp (98220)
B)			<i>9682-14201</i>			
C)			<i>12-50 1-30-2018</i>			
D)						

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

Depth Interval	Amount and Type of Material

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
12/04/2017	12/14/2017	24	<i>[Symbol]</i>	2694.0	6196.0	6967.0			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		1750.0	<i>[Symbol]</i>	2694	6196	6967	2300	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
			<i>[Symbol]</i>						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well S	
			<i>[Symbol]</i>						

Pending BLM approvals will
subsequently be reviewed
and scanned

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

ELECTRONIC SUBMISSION #409489 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
RUSTLER	0		FRESH WATER	DELAWARE	2510
BELL CANYON	2633		OIL, GAS & PRODUCED WATER	CHERRY CANYON	3470
BRUSHY CANYON	5036		OIL, GAS & PRODUCED WATER	BRUSHY CANYON	5036
BONE SPRING	6270		OIL, GAS & PRODUCED WATER	BONE SPRINGS	6270
WOLFCAMP	9450			AVALON SAND	6597
				WOLFCAMP	9450

32. Additional remarks (include plugging procedure):

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 #409489 Verified by the BLM Well Information System.
For MARATHON OIL PERMIAN LLC, sent to the Carlsbad
Committed to AFMSS for processing by DUNCAN WHITLOCK on 03/28/2018 (18DW0113SE)

Name (please print) MELISSA SZUDERATitle REGULATORY COMPLIANCE REP

Signature _____ (Electronic Submission)

Date 03/28/2018

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

Revisions to Operator-Submitted EC Data for Well Completion #409489

	Operator Submitted	BLM Revised (AFMSS)
Lease:	NMNM17222	NMNM25953
Agreement:		
Operator:	MARATHON OIL PERMIAN, LLC. 5555 SAN FELIPE STREET HOUSTON, TX 77056 Ph: 713-629-6600	MARATHON OIL PERMIAN LLC 5555 SAN FELIPE ST HOUSTON, TX 77056 Ph: 713.629 6600
Admin Contact:	MELISSA SZUDERA REGULATORY COMPLIANCE REP E-Mail: mszudera@marathonoil.om Ph: 713-296-3179	MELISSA SZUDERA REGULATORY COMPLIANCE REP E-Mail: mszudera@marathonoil.om Ph: 713-296-3179
Tech Contact:	MELISSA SZUDERA REGULATORY COMPLIANCE REP E-Mail: mszudera@marathonoil.om Ph: 713-296-3179	MELISSA SZUDERA REGULATORY COMPLIANCE REP E-Mail: mszudera@marathonoil.om Ph: 713-296-3179
Well Name: Number:	KYLE 34 FEDERAL COM 5H	KYLE 34 FEDERAL COM 5H
Location:		
State:	NM	NM
County:	EDDY COUNTY	EDDY
S/T/R:	Sec 34 T24S R28E Mer NMP	Sec 34 T24S R28E Mer NMP
Surf Loc:	SESE 225FSL 990FEL 32.671469 N Lat, 104.069684 W Lon	SESE 225FSL 990FEL 32.671469 N Lat, 104.069684 W Lon
Field/Pool:	PURPLE SAGE WOLFCAMP	PURPLE SAGE-WOLFCAMP (GAS)
Logs Run:	ML	ML
Producing Intervals - Formations:	WOLFCAMP	WOLFCAMP
Porous Zones:	RUSTLER/CASTILE BELL CANYON BRUSHY CANYON BONE SPRING	RUSTLER BELL CANYON BRUSHY CANYON BONE SPRING WOLFCAMP
Markers:	DELAWARE MOUNTAIN GROUP CHERRY CANYON BRUSHY CANYON BONE SPRING LS AVALON SHALE 1ST BONE SPRING SAND 2ND BONE SPRING SAND 3RD BONE SPRING SAND	DELAWARE CHERRY CANYON BRUSHY CANYON BONE SPRINGS AVALON SAND WOLFCAMP