

Oklahoma Corporation Commission  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000  
Rule 165: 10-3-25

Form 1002A

API No.: 35137275220001

**Completion Report**

Spud Date: March 03, 2018

OTC Prod. Unit No.: 137-224647

Drilling Finished Date: August 25, 2018

1st Prod Date: December 07, 2018

**Amended**

Completion Date: November 30, 2018

Amend Reason: AMEND TEST DATA AND CHANGE TO GAS WELL

**Drill Type: HORIZONTAL HOLE**

Min Gas Allowable: Yes

Well Name: 3R 0204 4-3-34WXH

Purchaser/Measurer: TARGA PIPELINE

Location: STEPHENS 10 2N 4W  
W2 NW NE NE  
330 FNL 1156 FEL of 1/4 SEC  
Derrick Elevation: 1218 Ground Elevation: 1186

First Sales Date: 12/7/2018

Operator: MARATHON OIL COMPANY 1363

7301 NW EXPRESSWAY STE 225  
OKLAHOMA CITY, OK 73132-1590

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	692390		674919	
	Commingled			673263	

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	30"			0			SURFACE
SURFACE	9 5/8"	40#	P-110HC	1623		545	SURFACE
PRODUCTION	5 1/2"	23#	P-110	24504		3250	SURFACE

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
There are no Liner records to display.								

**Total Depth: 24539**

Packer	
Depth	Brand & Type
There are no Packer records to display.	

Plug	
Depth	Plug Type
24343	CIBP

Initial Test Data
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Test Date	Formation	Oil BBL/Day	Oil-Gravity (API)	Gas MCF/Day	Gas-Oil Ratio Cu FT/BBL	Water BBL/Day	Pumpin or Flowing	Initial Shut-In Pressure	Choke Size	Flow Tubing Pressure
Mar 15, 2019	WOODFORD	628	61	9550	15207	561	FLOWING	1804	54/64	

#### Completion and Test Data by Producing Formation

Formation Name: WOODFORD

Code: 319 WDFD

Class: GAS

#### Spacing Orders

Order No	Unit Size
599919	640
619032	640
692389	MULTIUNIT

#### Perforated Intervals

From	To
14550	24325

#### Acid Volumes

59,998 GALLONS 15% HCL
------------------------

#### Fracture Treatments

319,589 BBLs TOTAL FLUID 15,072,965# TOTAL PROPPANT
--------------------------------------------------------

Formation	Top
WOODFORD	13949

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

#### Other Remarks

AMEND TEST DATA AND CHG TO GAS WELL  
EXCEPTION TO RULES - 673570, 673622

#### Lateral Holes

Sec: 34 TWP: 3N RGE: 4W County: GARVIN

NW NW NW NE

67 FNL 2402 FEL of 1/4 SEC

Depth of Deviation: 13385 Radius of Turn: -2158 Direction: 360 Total Length: 10828

Measured Total Depth: 24539 True Vertical Depth: 13706 End Pt. Location From Release, Unit or Property Line: 67

#### FOR COMMISSION USE ONLY

1142676

Status: Accepted

7/1/19  
Oklahoma Corporation Commission  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000  
Rule 165: 10-3-25

Form 1002A

1016EZ

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Operator: MARATHON OIL COMPANY 1363

7301 NW EXPRESSWAY STE 225  
OKLAHOMA CITY, OK 73132-1590

Multinut:

10-02N-04W (SL): -0-

03-02N-04W: 51.23%

34-03N-04W: 48.77%

224647

224647A

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Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception	
Order No	
692390	

Increased Density	
Order No	
674919	
673263	

sep. allow (Sec. 34)  
685285

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	30"			0			SURFACE
SURFACE	9 5/8"	40#	P-110HC	1623		545	SURFACE
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Plug	
Depth	Plug Type
24343	CIBP

Initial Test Data
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June 12, 2019

3/15/19

319 WDFD

1804

1 of 2

EZ  
EZ

DR

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619032 (3)	640 it
692389	MULTIUNIT

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**FOR COMMISSION USE ONLY**

1142676

Status: Accepted

TEST: ☒ INITIAL  
☐ ANNUAL  
☐ RETEST

**OKLAHOMA CORPORATION COMMISSION**  
Oil & Gas Conservation Division  
Post Office Box 52000  
Oklahoma City, Oklahoma 73152-2000

**RECEIVED**

Form 1016  
Rev. 2017

JUN 27 2019

**BACK PRESSURE TEST FOR NATURAL GAS WELLS**

OAC 165:10-17-6

DATE OF TEST:

5/15/2019

Oklahoma Corporation  
Commission

DATE OF 1<sup>ST</sup> SALES: 12/7/2018

Operator <b>Marathon Oil Company</b>				Operator # <b>01363</b>	
Address <b>7301 N. W. Expressway</b>			City <b>Oklahoma City</b>	ST <b>OK</b>	ZIP <b>73132</b>
E-mail <b>escrump@marathonoil.com</b>		Ph <b>(405) 728-5205</b>	Fax	Well Name/# <b>3R 0204 4-3-34WXH</b>	
Gas Volume Reporter <b>Marathon Oil Company</b>		Gas Volume Reporter # <b>01363</b>		API # <b>13727522</b>	
Producing Zone <b>Woodford 319 WDFD</b>				OTC Lease # <b>137-224647-0</b>	
Surface Location <b>W2 1/4 NW 1/4 NE 1/4 NE 1/4</b>			Sec <b>10</b>	Twp <b>2N</b>	Rge <b>4W</b>
Zone Location (if different) <b>1/4 1/4 1/4 1/4</b>			Sec	Twp	Rge
Field			County <b>Stephens</b>		
			Spacing Size <b>640</b>		

COMPLETION: ☒ Single ☐ Multiple Zone ☐ Commingled ☐ Recompletion Date of Completion **11/30/18**

Total Depth <b>24539</b>	Plug Back Depth	Packer Set Depth	Elevation <b>1186</b>
Csg Size <b>5.5</b>	WT <b>23#</b> d	Depth Set <b>24504</b>	Perfs. <b>14550-24325</b>
Tbg Size	WT d	Depth Set	Perfs.
Prod. Thru <b>Casing</b>	Res. Temp. F <b>250</b> @	Mean Grd. Temp. F	Atm. Press. PSIA
L <b>13706</b> H <b>24539</b> G <sub>g</sub> <b>.7761</b> %CO <sub>2</sub>	%N <sub>2</sub>	H <sub>2</sub> S(ppm)	Prover
		Meter Run	Taps

SHUT-IN DATA		FLOW DATA						TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
PRESS	(HRS)	PROVER			DIFF			PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
		LINE SIZE	X	ORIFICE SIZE	PRESS (PSIG)	(INCHES) (ROOTS)	TEMP (F)							
<b>1609</b>	<b>24</b>	<b>3.067</b>		<b>2</b>	<b>327</b>	<b>493</b>	<b>70</b>			<b>1355</b>				<b>24</b>

**RATE OF FLOW CALCULATIONS**

COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P <sub>m</sub>	FLOW TEMP. FACTOR F <sub>t</sub>	GRAVITY FACTOR F <sub>g</sub>	SUPER COMPRESS FACTOR F <sub>pv</sub>	RATE OF FLOW (Q) MCFD
<b>29.09</b>						<b>9655</b>

P <sub>r</sub>	TEMP. R	T <sub>r</sub>	Z
			<b>.9959</b>

Gas/Liquid Hydrocarbon Ratio		MCF/BBL
API Gravity of Liquid Hydrocarbons		Deg.
Specific Gravity Separator Gas	<b>.7761</b>	Specific Gravity Flowing Fluid
Critical Pressure	PSIA	Critical Pressure
Critical Temperature	R	Critical Temperature

P<sub>c</sub> **1609** (PSIA) P<sub>c</sub><sup>2</sup> **2,588,881**

P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
<b>327</b>	<b>106,929</b>	<b>2,481,952</b>

(1)  $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0}{(Not\ to\ exceed\ 5.263)}$

(2)  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0$  WHAOF=Q

10-02N-04W (SL): -0-  
03-02N-04W: 48.77% 224647 I  
34-03N-04W: 51.23% 224647A I

P<sub>c</sub><sup>2</sup> = **42,929**  
P<sub>c</sub><sup>2</sup> - P<sub>w</sub><sup>2</sup> = **42,929**

Calculated wellhead open flow <b>42,929</b>	MCFD @ 14.65	Angle of Slope	Slope, n
Remarks <b>E 2018: -</b>			
Approved by Commission: <b>DR</b>	Conducted by:	Calculated by:	Checked by:
WITNESSED - OCC FIELD STAFF: Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		NAME: <b>John H. [Signature]</b> (over)	DATE: <b>6-7-19</b>

E 2  
E 2

DR

IF THE ALLOWABLE FOR THIS WELL HAS BEEN ADJUSTED BY COMMISSION ORDER, PLEASE GIVE THE ORDER NUMBER(S) IN ONE OR MORE OF THE CATEGORIES BELOW:

INCREASED DENSITY \_\_\_\_\_ LOCATION EXCEPTION\* \_\_\_\_\_

COMMINGLING \_\_\_\_\_ MULTIPLE ZONE \_\_\_\_\_

SEPARATE OR SPECIAL ALLOWABLE\* 685284 (Sec. 34)

OTHER PENALTY ORDER(S)\* Multumit PD: 692389

\* FOR THESE ORDER TYPES, PLEASE DESCRIBE ALLOWABLES AND/OR PENALTIES:

I declare that I have knowledge of the contents of this report and am authorized by my organization to make this report, which was prepared by me or under my supervision and direction, with the data and facts stated herein to be true, correct and complete to the best of my knowledge and belief.

Suzie Crump

Regulatory Compliance

SIGNATURE

TITLE

Marathon Oil Company

06/04/19

(405) 728-5205

COMPANY

DATE

PHONE NO.

- Pc SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT-IN MINIMUM OF 24 HOURS).
- Pw STATIC COLUMN WELLHEAD PRESSURE CORRESPONDING TO THE FLOWING WELLHEAD PRESSURE, PSIA (TO BE RECORDED AT END OF EACH FLOW RATE.) THE VALUE OF Pw SHOULD NOT EXCEED 90% OF Pc.
- Gg SPECIFIC GRAVITY OF SEPARATOR GAS (AIR = 1.000).
- L LENGTH OF THE FLOW STRING FROM THE MIDDLE OF THE PRODUCING FORMATION TO THE PRESSURE POINT AT WELLHEAD, FEET.
- H VERTICAL DEPTH CORRESPONDING TO L, FEET.
- Q 24 HOUR RATE OF FLOW, MCF/D.
- d INSIDE DIAMETER, INCHES.
- R DEGREES, RANKINE (DEGREES FAHRENHEIT ABSOLUTE).
- Pr REDUCED PRESSURE, DIMENSIONLESS.
- Tr REDUCED TEMPERATURE, DIMENSIONLESS.
- Z COMPRESSIBILITY FACTOR, DIMENSIONLESS.