

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.: 35137275250001

**Completion Report**

Spud Date: February 20, 2018

OTC Prod. Unit No.: 137224685

Drilling Finished Date: April 07, 2018

1st Prod Date: December 17, 2018

**Amended**

Completion Date: December 10, 2018

Amend Reason: AMEND TEST DATA AND CHANGE TO GAS WELL

**Drill Type: HORIZONTAL HOLE**

Min Gas Allowable: Yes

Well Name: 3R 0204 7-3-34WXH

Purchaser/Measurer: TARGA PIPELINE MID-CONTINENT

Location: STEPHENS 10 2N 4W  
NW NW NE NW  
270 FNL 1569 FWL of 1/4 SEC  
Derrick Elevation: 0 Ground Elevation: 1191

First Sales Date: 12/17/2018

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	692396		673263	
	Commingled			674919	

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	30"	94#	J-55	112			SURFACE
SURFACE	9 5/8"	40#	P-110HC	1599		545	SURFACE
PRODUCTION	5 1/2"	23#	P-110	24583		3035	SURFACE

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

**Total Depth: 24623**

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

Plug	
Depth	Plug Type
24426	CAST IRON BRIDGE PLUG

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 29, 2019	WOODFORD	318	43	4957	15588	283	FLOWING	1702	34/64	

<b>Completion and Test Data by Producing Formation</b>			
Formation Name: WOODFORD		Code: 319 WDFD	
		Class: GAS	

Spacing Orders	
Order No	Unit Size
619032	640
599919	640
692395	MULTIUNIT

Perforated Intervals	
From	To
14513	19395
19395	24417

Acid Volumes	
44,083 GALS OF 15% HCL ACID	

Fracture Treatments	
317,554 BBLS OF FLUID 14,908,237 LBS OF PROPPANT	

Formation	Top
WOODFORD	14054

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

<b>Other Remarks</b>
AMEND TEST DATA AND CHANGE TO GAS WELL

<b>Lateral Holes</b>
Sec: 34 TWP: 2N RGE: 4W County: STEPHENS  NW   NW   NW   NW  66 FNL   1094 FWL of 1/4 SEC  Depth of Deviation: 13860 Radius of Turn: 2360 Direction: 359 Total Length: 10773  Measured Total Depth: 24623 True Vertical Depth: 14049 End Pt. Location From Release, Unit or Property Line: 66

<b>FOR COMMISSION USE ONLY</b>	
Status: Accepted	1142799

TEST: ☒ INITIAL  
☐ ANNUAL  
☐ RETEST

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division

Post Office Box 52000

Oklahoma City, Oklahoma 73152-2000

RECEIVED Form 1016  
 JUN 27 2019 Rev. 2017

BACK PRESSURE TEST FOR NATURAL GAS WELLS

OAC 165:10-17-6

Oklahoma Corporation  
 Commission

DATE OF TEST:

5/30/2019

DATE OF 1<sup>ST</sup> SALES: 12/17/2018

Operator Marathon Oil Company				Operator # 01363	
Address 7301 N. W. Expressway			City Oklahoma City		ST OK ZIP 73132
E-mail escrump@marathonoil.com		Ph (405) 728-5205		Fax	
Gas Volume Reporter Marathon Oil Company			Gas Volume Reporter # 01363		Well Name/# 3R 0204 7-3-34WXH
Producing Zone Woodford 319 WDFD			API # 13727525 -1		OTC Lease # 137-224685
Surface Location NW 1/4 NW 1/4 NE 1/4 NW 1/4			Sec 10	Twp 2N	Rge 4W
Zone Location (if different) 1/4 1/4 1/4 1/4			Sec	Twp	Rge
Field					Spacing Size 640

COMPLETION: ☒ Single ☐ Multiple Zone ☐ Commingled ☐ Recompletion Date of Completion 12/10/18

Total Depth 24623	Plug Back Depth	Packer Set Depth	Elevation 1191
Csg Size 5.5	WT 23# d	Depth Set 24583	Perfs. 14513-24412
Tbg Size	WT d	Depth Set	Perfs.
Prod. Thru Casing	Res. Temp. F 254 @	Mean Grd. Temp. F	Atm. Press. PSIA
L 14049 H 24623 G <sub>g</sub> .7752 %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)
		PROVER			DIFF									
PRESS	(HRS)	LINE SIZE	X	ORIFICE SIZE	PRESS	(INCHES)	TEMP	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
					(PSIG)	(ROOTS)								(F)
1711	24	3.067		2	218	101	72			1500				24

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
29.09						5950

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

Gas/Liquid Hydrocarbon Ratio		MCF/BBL
API Gravity of Liquid Hydrocarbons		Deg.
Specific Gravity Separator Gas	.7752	Specific Gravity Flowing Fluid
Critical Pressure	PSIA	Critical Pressure
Critical Temperature	R	Critical Temperature

P<sub>c</sub> 1711 (PSIA) P<sub>c</sub><sup>2</sup> 2,927,521

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>
218	47,524	2,879,997

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

[2]  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0$  WHAOF=Q

$\frac{P_c^2}{P_c^2 - P_w^2} = 17,792$

Calculated wellhead open flow 17,792 MCFD @ 14.65 Angle of Slope Slope, n

Remarks

Approved by Commission: AR Conducted by: Calculated by: Checked by:

WITNESSED - OCC FIELD STAFF: Y ☐ N ☐ NAME: Jan (over) DATE: 6-20-19

E2  
E2

AR

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 \_\_\_\_\_

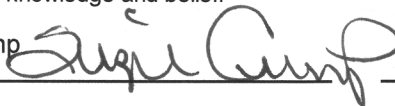
SEPARATE OR SPECIAL ALLOWABLE\* 685284 (Sec. 34)

OTHER PENALTY ORDER(S)\* Multifunction Fo: 692395

\* 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

06/14/19

(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.