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.: 35011238180000

Completion Report

Spud Date: August 08, 2017

OTC Prod. Unit No.: 011-222466

Drilling Finished Date: September 29, 2017

1st Prod Date: November 10, 2017

Completion Date: November 03, 2017

Drill Type: **HORIZONTAL HOLE**

Well Name: TOM BIA 1311 1-17-8MXH

Purchaser/Measurer: MARATHON OIL COMPANY

Location: BLAINE 8 13N 11W
SE SE SW NW
2395 FNL 1095 FWL of 1/4 SEC
Latitude: 35.61722 Longitude: 98.397868
Derrick Elevation: 1684 Ground Elevation: 1659

First Sales Date: 11/10/2017

Operator: MARATHON OIL COMPANY 1363

5555 SAN FELIPE ST
HOUSTON, TX 77056-2701

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
673568

Increased Density
Order No
670910

Casing and Cement

Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	30"	94	K-55	102			SURFACE
SURFACE	13 3/8"	54.5	K-55	1502		680	SURFACE
INTERMEDIATE	9 5/8"	40	P-110HC	10952		970	4989
PRODUCTION	5 1/2"	23	P-110	21347		5085	27

Liner

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

Total Depth: 21374

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

Plug	
Depth	Plug Type
There are no Plug records to display.	

Initial Test Data

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
Nov 30, 2017	MISSISSIPPI			8531		1479	FLOWING	6323	40/64	

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPI Code: 351 MSSI Class: GAS

Spacing Orders	
Order No	**Unit Size**
199178	640

Perforated Intervals	
From	**To**
13439	21144

Acid Volumes
90,888 GALLONS 15% HCL

Fracture Treatments
385,514 BBL TOTAL FLUID
19,049,023 LBS TOTAL PROPPANT

Formation	Top
MISSISSIPPI	11740

Were open hole logs run? No
Date last log run:

Were unusual drilling circumstances encountered? No
Explanation:

Other Remarks

There are no Other Remarks.

Lateral Holes

Sec: 17 TWP: 13N RGE: 11W County: BLAINE

SE SW SW SW

165 FSL 355 FWL of 1/4 SEC

Depth of Deviation: 12911 Radius of Turn: 974 Direction: 180 Total Length: 7957

Measured Total Depth: 21374 True Vertical Depth: 13262 End Pt. Location From Release, Unit or Property Line: 165

FOR COMMISSION USE ONLY

1140047

Status: Accepted

6/1/19

TEST: [ ] INITIAL [X] ANNUAL [ ] RETEST

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

Form 1016
Rev. 2017

BACK PRESSURE TEST FOR NATURAL GAS WELLS

OAC 165:10-17-6

DATE OF TEST: 5/1/2019 DATE OF 1ST SALES: 11/10/2017

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		Well Name/#	Tom BIA 1311 1-17-8MXH
Gas Volume Reporter	Marathon Oil Company			Gas Volume Reporter #	01363	API #	011-23818
Producing Zone	MISSISSIPPI 351MISS		Mississippian 351MISSP			OTC Lease #	011-222466
Surface Location	SE 1/4 SE 1/4 SW 1/4 NW 1/4			Sec 8	Twp 13N Rge 11W	(OCC use) Allowable #	(see below)
Zone Location (if different)	1/4 1/4 1/4 1/4			Sec	Twp Rge	County	Blaine
Field						Spacing Size	640

COMPLETION: [X] Single [ ] Multiple Zone [ ] Commingled [ ] Recompletion Date of Completion 11/03/17

Total Depth	21,374	Plug Back Depth		Packer Set Depth		Elevation	1658
Csg Size	5.5	WT 23	d	Depth Set	21,347	Perfs.	13,439-21,144
Tbg Size		WT	d	Depth Set		Perfs.	
Prod. Thru	Casing	Res. Temp. F	244 @	Mean Grd. Temp. F		Atm. Press. PSIA	
L 13,262 H 21,374	G_g .5901	$\%CO_2$	$\%N_2$	H_2S(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 (PSIG)	(INCHES) (ROOTS)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
928	24	6.06		4	84	46	115			364				24

RATE OF FLOW CALCULATIONS

COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P_m	FLOW TEMP. FACTOR F_t	GRAVITY FACTOR F_g	SUPER COMPRESS FACTOR F_{pv}	RATE OF FLOW (Q) MCFD
117.7						7569

P_r	TEMP. R	T_r	Z
			.9978

Gas/Liquid Hydrocarbon Ratio			MCF/BBL
API Gravity of Liquid Hydrocarbons			Deg.
Specific Gravity Separator Gas	.5901	Specific Gravity Flowing Fluid	
Critical Pressure	PSIA	Critical Pressure	PSIA
Critical Temperature	R	Critical Temperature	R

P_c 928 (PSIA) P_c^2 861,184

P_w	P_w^2	$P_c^2 - P_w^2$
84	7056	854,128

Multiunit:
Sec. 8: 37% 222466 I
Sec. 17: 63% 222466A I

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

[2] $\left(\frac{P_c^2}{P_c^2 - P_w^2}\right)^n =$ WHAOF=Q $\left(\frac{P_c^2}{P_c^2 - P_w^2}\right)^n$ I 11976

Calculated wellhead open flow	11976	MCFD @ 14.65	Angle of Slope	Slope, n	
Remarks					
Approved by Commission:	Conducted by:		Calculated by:	Checked by:	
WITNESSED - OCC FIELD STAFF: Y [ ] N [X]	NAME: J Mark Hudson			DATE: 05 07 2019	

(over)

RECEIVED
MAY 10 2019
Oklahoma Corporation Commission

EZ
EZ

N/A
OR