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.: 35011241360000

Completion Report

Spud Date: December 28, 2018

OTC Prod. Unit No.: 011-225240

Drilling Finished Date: January 28, 2019

1st Prod Date: March 30, 2019

Completion Date: March 18, 2019

Drill Type: HORIZONTAL HOLE

Well Name: POST OAK 10-14N-11W 1H

Purchaser/Measurer: ONEOK

Location: BLAINE 10 14N 11W
SW SE SE SE
261 FSL 389 FEL of 1/4 SEC
Derrick Elevation: 1456 Ground Elevation: 1488

First Sales Date: 3/30/2019

Operator: MARATHON OIL COMPANY 1363

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

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
698377

Increased Density
Order No
There are no Increased Density records to display.

Casing and Cement

Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	16	78	OTHER	80	1000		SURFACE
SURFACE	13 3/8	54.5	J-55	1498	1500	771	SURFACE
INTERMEDIATE	9 5/8	40	P110HC	10095	1500	1066	3131
PRODUCTION	5 1/2	23	P110HC	16779	1500	1992	8900

Liner

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

Total Depth: 16801

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
Apr 14, 2019	MISSISSIPPIAN	185	55	9936	53708	613	FLOWING	3650	22/64	2857

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN Code: 359MSSP Class: GAS

Spacing Orders

Order No	Unit Size
599263	640

Perforated Intervals

From	To
12347	16638

Acid Volumes

NOT ACIDIZED

Fracture Treatments

16 STAGES 9 PERF CLUSTERS PER STAGE. TOTAL VOLUME WAS 105,396 BBLS FLUID WITH 8,584,397 LBS SAND.

Formation	Top
MISSISSIPPIAN	10797

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: 10 TWP: 14N RGE: 11W County: BLAINE

NW NW NE NE

166 FNL 1008 FEL of 1/4 SEC

Depth of Deviation: 11435 Radius of Turn: 586 Direction: 353 Total Length: 4446

Measured Total Depth: 16801 True Vertical Depth: 11876 End Pt. Location From Release, Unit or Property Line: 166

FOR COMMISSION USE ONLY

1142546

Status: Accepted

7/1/19

TEST: [X] INITIAL [ ] 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

7,1,19

DATE OF TEST: 5/7/2019 DATE OF 1ST SALES: 3/30/2019

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/#	Post Oak 10-14N-11W 1H
Gas Volume Reporter	Marathon Oil Company			Gas Volume Reporter #	01363	API #	011-24136
Producing Zone	Mississippian 359 MSSP					OTC Lease #	011-225240 - 0
Surface Location	SW 1/4 SE 1/4 SE 1/4 SE 1/4	Sec	10	Twp	14N	Rge 11W	(OCC use) Allowable # 225240 I
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 03/30/19

Total Depth	16801	Plug Back Depth		Packer Set Depth		Elevation	1459
Csg Size	5.5	WT 23	d	Depth Set	16779	Perfs.	12347-16638
Tbg Size		WT	d	Depth Set		Perfs.	
Prod. Thru	Casing	Res. Temp. F	228 @	Mean Grd. Temp. F		Atm. Press. PSIA	
L 11875	H 16801	G_g .6778	$\%CO_2$	$\%N_2$	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)	
3021	24	4.025		2.75	119	229	93			1456				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
58.09						10,113

P_r	TEMP. R	T_r	Z
			.9970

Gas/Liquid Hydrocarbon Ratio			MCF/BBL
API Gravity of Liquid Hydrocarbons			Deg.
Specific Gravity Separator Gas	.6778	Specific Gravity Flowing Fluid	
Critical Pressure	PSIA	Critical Pressure	PSIA
Critical Temperature	R	Critical Temperature	R

P_c 3021 (PSIA) P_c^2 9,126,441

P_w	P_w^2	$P_c^2 - P_w^2$
119	14161	9,112,280

[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 $\left(\frac{P_c^2}{P_c^2 - P_w^2}\right)^n$ = 15151

15,151

Calculated wellhead open flow	15151 MCFD @ 14.65	Angle of Slope	Slope, n	
Remarks				
Approved by Commission: QR	Conducted by:	Calculated by:	Checked by:	
WITNESSED - OCC FIELD STAFF: Y [ ] N [X]	NAME: J Mark Hudson (over)		DATE: 05-09-2019	

RECEIVED
JUN 06 2019
Oklahoma Corporation Commission

E 2

VAA

QR