

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.: 35017250160000

Completion Report

Spud Date: July 09, 2017

OTC Prod. Unit No.: 017-219175

Drilling Finished Date: July 21, 2017

1st Prod Date: August 21, 2017

Completion Date: August 15, 2017

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: ZUM MALLEN 1307 2-21MHA

Purchaser/Measurer: ENLINK OKLAHOMA GAS

Location: CANADIAN 21 13N 7W
NW NE NE NE
319 FNL 453 FEL of 1/4 SEC
Latitude: 35.5939 Longitude: -97.9423
Derrick Elevation: 1402 Ground Elevation: 1381

First Sales Date: 08/21/2017

Operator: MARATHON OIL COMPANY 1363

5555 SAN FELIPE ST
HOUSTON, TX 77056-2701

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	667647		There are no Increased Density records to display.	
	Commingled				

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	16			80			SURFACE
SURFACE	9 5/8	36	J-55	1040		330	SURFACE
INTERMEDIATE	7	29	P-110	8899		455	
PRODUCTION	4 1/2	13.5	P-110EC	14486		480	8707

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

Total Depth: 14486

Packer		Plug	
Depth	Brand & Type	Depth	Plug Type
There are no Packer records to display.		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
Sep 10, 2017	MISSISSIPPIAN	767	49	2340	3050	533	FLOWING		46/64	

Completion and Test Data by Producing Formation									
Formation Name: MISSISSIPPIAN				Code: 359MSSP			Class: OIL		
Spacing Orders				Perforated Intervals					
Order No		Unit Size		From			To		
645281		640		9709			14342		
Acid Volumes				Fracture Treatments					
29,109 BARRELS HCL				314,407 TOTAL FLUID, 11,933,710 POUNDS PROPPANT					

Formation	Top
MISSISSIPPIAN	8796

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks
OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED THE FINAL LOCATION EXCEPTION HAS NOT BEEN SUBMITTED.

Lateral Holes
Sec: 21 TWP: 13N RGE: 7W County: CANADIAN SE SE SE SE 50 FSL 369 FEL of 1/4 SEC Depth of Deviation: 9072 Radius of Turn: 462 Direction: 176 Total Length: 4879 Measured Total Depth: 14486 True Vertical Depth: 9512 End Pt. Location From Release, Unit or Property Line: 50

FOR COMMISSION USE ONLY
<div>Status: Accepted</div> <div>1137823</div>

API NO. 017-25016
OTC PROD. UNIT NO. 017219175

PLEASE TYPE OR USE BLACK INK ONLY

NOTE:

Attach copy of original 1002A
if recompletion or reentry.

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division
Post Office Box 52000

Oklahoma City, Oklahoma 73152-2000

Rule 165:10-3-25

COMPLETION REPORT

RECEIVED

SEP 29 2017

OKLAHOMA CORPORATION
COMMISSION

Form 1002A
Rev. 2009

☒ ORIGINAL
☐ AMENDED (Reason)

TYPE OF DRILLING OPERATION

☐ STRAIGHT HOLE ☐ DIRECTIONAL HOLE ☒ HORIZONTAL HOLE
☐ SERVICE WELL

If directional or horizontal, see reverse for bottom hole location.

COUNTY	Canadian	SEC	21	TWP	13N	RGE	7W	SPUD DATE	7/9/17
LEASE NAME	Zum Mallen 1307			WELL NO.	2-21MHA			DRLG FINISHED DATE	7/21/17
NW 1/4	NE 1/4	NE 1/4	NE 1/4	FNL OF 1/4 SEC	319'	FEL OF 1/4 SEC	453'	DATE OF WELL COMPLETION	8/15/17
ELEVATION Derrick FL	1402'	Ground	1381'	Latitude (if known)	35.5939			1st PROD DATE	8/21/17
OPERATOR NAME	Marathon Oil Company			OTC/OCC OPERATOR NO.	1363				
ADDRESS	5555 San Felipe St.								
CITY	Houston			STATE	TX		ZIP	77056-2701	

640 Acres

LOCATE WELL

COMPLETION TYPE

<input checked="" type="checkbox"/> SINGLE ZONE
<input type="checkbox"/> MULTIPLE ZONE
Application Date
<input type="checkbox"/> COMMINGLED
Application Date
LOCATION EXCEPTION ORDER NO.
INCREASED DENSITY ORDER NO.

CASING & CEMENT (Form 1002C must be attached)

TYPE	SIZE	WEIGHT	GRADE	FEET	PSI	SAX	TOP OF CMT
CONDUCTOR	16"			80'			Surface
SURFACE	9 5/8"	36#	J-55	1,040'		330 340	Surface
INTERMEDIATE	7"	29#	P110	8899'		455	
PRODUCTION	4 1/2"	13.5#	P110EC	14486'		480	8,707'
LINER							
						TOTAL DEPTH	14,486'

PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____
PACKER @ _____ BRAND & TYPE _____ PLUG @ _____ TYPE _____ PLUG @ _____ TYPE _____

COMPLETION & TEST DATA BY PRODUCING FORMATION

FORMATION	Mississippian						
SPACING & SPACING ORDER NUMBER	640/645281						
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Oil						
PERFORATED INTERVALS	9,709' - 14,342'						
ACID/VOLUME	29,109 bbls HCL						
FRACTURE TREATMENT (Fluids/Prop Amounts)	314,407 Total Fluid 11,933,710 # Prop						

Min Gas Allowable (165:10-17-7)

Gas Purchaser/Measurer

Enlink Oklahoma Gas

☒

OR

First Sales Date

8/21/2017

INITIAL TEST DATA

Oil Allowable (165:10-13-3)

INITIAL TEST DATE	9/10/2017						
OIL-BBL/DAY	767						
OIL-GRAVITY (API)	49						
GAS-MCF/DAY	2340						
GAS-OIL RATIO CU FT/BBL	3050						
WATER-BBL/DAY	533						
PUMPING OR FLOWING	Flowing						
INITIAL SHUT-IN PRESSURE	-						
CHOKE SIZE	46/64						
FLOW TUBING PRESSURE	-						

AS SUBMITTED

A record of the formations drilled through, and pertinent remarks are presented on the reverse. 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
SIGNATURE

Suzie Crump

9/27/2017

(405) 728-5205

7301 N. W. Expressway

Oklahoma City

OK

73132

escrump@marathonoil.com

ADDRESS

CITY

STATE

ZIP

EMAIL ADDRESS

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

WELL NO. 2-21MHA

NAMES OF FORMATIONS	TOP
Mississippian	8796'

FOR COMMISSION USE ONLY	
ITD on file	<input type="checkbox"/> YES <input type="checkbox"/> NO
APPROVED	DISAPPROVED
<div>2) Reject Codes</div> <div> <div></div> <div></div> <div></div> <div></div> <div></div> </div>	

Were open hole logs run? yes X no

Date Last log was run _____

Was CO₂ encountered? yes X no at what depths? _____

Was H₂S encountered? yes X no at what depths? _____

Were unusual drilling circumstances encountered? yes X no

If yes, briefly explain below

Other remarks:

640 Acres

The image shows a 10x10 grid of squares, totaling 100 squares. A thick vertical line runs down the center, dividing the grid into two 5x10 sections. A thick horizontal line runs across the middle, dividing the grid into two 10x5 sections. These two lines intersect in the center, creating four 5x5 quadrants. The top-left quadrant (5 columns, 5 rows) is shaded gray. The other three quadrants (top-right, bottom-left, and bottom-right) are white. The text '640 Acres' is centered above the top edge of the grid.

Direction must be stated in degrees azimuth.
Please note, the horizontal drainhole and its end
point must be located within the boundaries of the
lease or spacing unit.

640 Acres

A 10x10 grid representing 640 acres. The grid is divided into four 4x4 quadrants by a thick vertical line after the 4th column and a thick horizontal line after the 4th row. The text '640 Acres' is written above the top-left quadrant.

SEC	TWP	RGE	COUNTY
Spot Location			
1/4	1/4	1/4	1/4
Measured Total Depth		True Vertical Depth	Feet From 1/4 Sec Lines FSL FWL
			BHL From Lease, Unit, or Property Line:

LATERAL #1												
SEC	21	TWP	13N	RGE	7W	COUNTY				Canadian		
Spot Location												
SE 1/4		SE 1/4		SE 1/4		SE 1/4		Feet From 1/4 Sec Lines	FSL 50'	FEL 369'		
Depth of Deviation				9072'		Radius of Turn		462	Direction	176.3	Total Length	4879'
Measured Total Depth				14486'		True Vertical Depth		9512'		BHL From Lease, Unit, or Property Line:		50'

SEC	TWP	RGE	COUNTY			
Spot Location				Feet From 1/4 Sec Lines	FSL	FWL
1/4	1/4	1/4	1/4			
Depth of Deviation		Radius of Turn	Direction	Total Length		
Measured Total Depth		True Vertical Depth	BHL From Lease, Unit, or Property Line:			

SEC	TWP	RGE	COUNTY			
Spot Location						
1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation		Radius of Turn	Direction		Total Length	
Measured Total Depth		True Vertical Depth	BHL From Lease, Unit, or Property Line:			