

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.: 35043236230000

Completion Report

Spud Date: June 15, 2018

OTC Prod. Unit No.: 043224013-0-0000

Drilling Finished Date: July 03, 2018

1st Prod Date: September 16, 2018

Completion Date: September 05, 2018

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: 4GH 2-3H

Purchaser/Measurer: MARKWEST

Location: DEWEY 10 17N 19W
NE NE NW NW
180 FNL 1200 FWL of 1/4 SEC
Latitude: 35.970784867 Longitude: -99.217111915
Derrick Elevation: 2021 Ground Elevation: 2002

First Sales Date: 9/17/18

Operator: JMA ENERGY COMPANY LLC 20475

1021 NW GRAND BLVD
OKLAHOMA CITY, OK 73118-6039

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
692496

Increased Density
Order No
678239

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36	J-55	1535		795	SURFACE
INTERMEDIATE	7	26	N-80	8472		295	5786
PRODUCTION	4 1/2	13.5	P-110	13860		580	7155

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

Total Depth: 13860

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
Sep 17, 2018	CLEVELAND	77	47	144	1.87	1605	FLOWING	1200	64/64	340

Completion and Test Data by Producing Formation									
Formation Name: CLEVELAND				Code: 405CLVD			Class: OIL		
Spacing Orders				Perforated Intervals					
Order No		Unit Size		From			To		
493888		640		9295			13857		
Acid Volumes				Fracture Treatments					
476 BBL 15% HCL ACID				73,900 BBL FLUID & 3,938,416 PROPPANT					

Formation	Top
CLEVELAND	8872

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: 3 TWP: 17N RGE: 19W County: DEWEY SE NE NW NW 358 FNL 1183 FWL of 1/4 SEC Depth of Deviation: 8554 Radius of Turn: 480 Direction: 358 Total Length: 4552 Measured Total Depth: 13860 True Vertical Depth: 8963 End Pt. Location From Release, Unit or Property Line: 358

FOR COMMISSION USE ONLY
<div>Status: Accepted</div> <div>1140922</div>