

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.: 35153236370000

**Completion Report**

Spud Date: November 04, 2018

OTC Prod. Unit No.: 153-224808

Drilling Finished Date: December 01, 2018

1st Prod Date: January 04, 2019

Completion Date: December 22, 2018

**Drill Type:** HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: HARGIS 21/16-20-17 1H

Purchaser/Measurer: PLAINS MARKETING

Location: WOODWARD 28 20N 17W  
NE SW NE NE  
800 FNL 880 FEL of 1/4 SEC  
Latitude: 36.185473905 Longitude: -99.011990606  
Derrick Elevation: 1784 Ground Elevation: 1761

First Sales Date: 1/4/2019

Operator: TAPSTONE ENERGY LLC 23467

100 E MAIN ST  
OKLAHOMA CITY, OK 73104-2509

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	693038		There are no Increased Density records to display.	
	Commingled				

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36	J-55	1505	1500	470	SURFACE
PRODUCTION	7	26	L-80	10316	1150	450	5182

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4 1/2	13 1/2	P-110	11520	2800	1100	9606	21126

**Total Depth: 21129**

Packer		Plug	
Depth	Brand & Type	Depth	Plug Type
10264	4.5" X 2 3/8" AS1-X	There are no Plug records to display.	

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
Feb 01, 2019	MISSISSIPPIAN - MSSP (LESS CHESTER)	299	41	2832	9472	2285	FLOWING	460	64/64	466

#### Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

#### Spacing Orders

Order No	Unit Size
667719	640
695886	MULTIUNIT

#### Perforated Intervals

From	To
10915	106029
16053	21030

#### Acid Volumes

8,141 BBLS 7.5% HCL AND 480 BBLS 15% HCL
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#### Fracture Treatments

230,027 BBLS OF FLUID & 4,414,001 LBS OF SAND
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Formation Name: MISSISSIPPIAN (LESS CHESTER)

Code: 359MSNLC

Class: OIL

#### Spacing Orders

Order No	Unit Size
686823	640
695886	MULTIUNIT

#### Perforated Intervals

From	To
16053	21030

#### Acid Volumes

ACIDIZED WITH MISSISSIPPIAN
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#### Fracture Treatments

FRACTURE TREATED WITH MISSISSIPPIAN
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Formation Name: MISSISSIPPIAN - MSSP (LESS CHESTER)

Code:

Class: OIL

Formation	Top
COTTAAGE GROVE SAND	6919
HOGSHOOTER	7208
OSWEGO LIME	7598
MORROW SHALE	8521
MISS. UNCONFORMITY/CHESTER LIME	8456
MANNING	9060
BASE MANNING LIME	9355
MANNING SHALE	9408
UPPER MERAMEC	9588
MIDDLE MERAMEC	9747
LOWER MERAMEC	9974

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

Lateral Holes
Sec: 16 TWP: 20N RGE: 17W County: WOODWARD
NW   NW   NE   NE
183 FNL   916 FEL of 1/4 SEC
Depth of Deviation: 9756 Radius of Turn: 749 Direction: 375 Total Length: 10196
Measured Total Depth: 21129 True Vertical Depth: 9716 End Pt. Location From Release, Unit or Property Line: 183

FOR COMMISSION USE ONLY	
Status: Accepted	1142111