Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

OTC Prod. Unit No.: 051-225974 Drilling Finished Date: May 30, 2019

1st Prod Date: July 27, 2019

Completion Date: July 27, 2019

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: BIRDSTONE 4-33-9-5 1MXH

Purchaser/Measurer: BLUE MOUNTAIN

Location: GRADY 9 9N 5W First Sales Date: 07/27/2019

SW NW NE NW

335 FNL 1565 FWL of 1/4 SEC

Latitude: 35.275398 Longitude: -97.736034 Derrick Elevation: 1354 Ground Elevation: 1328

Operator: ROAN RESOURCES LLC 24127

14701 HERTZ QUAIL SPRINGS PKWY OKLAHOMA CITY, OK 73134-2641

Completion Type					
Х	Single Zone				
	Multiple Zone				
	Commingled				

Location Exception					
Order No					
707129					
707243					

Increased Density				
Order No				
696873				
696874				

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	40	J-55	478		250	SURFACE
PRODUCTION	5 1/2	20	P-110 CYHP	19823		2070	4530

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

Total Depth: 19823

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

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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
Aug 09, 2019	MISSISSIPIAN	210	45	2013	9585	356	FLOWING		52/128	324

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPIAN

Code: 359MSSP

Class: OIL

Spacing Orders					
Order No	Unit Size				
654124	640				
648701	640				
707240	MULTIUNIT				

Perforated Intervals					
From To					
9865	19778				

Acid Volumes

There are no Acid Volume records to display.

Fracture Treatments

FRAC STAGES 1-30 OA: 10685769 LBS OF 100 MESH + 7201030 LBS OF 40/70 MESH + 17041703 GALS OF SLICKWATER

Formation	Тор
HOXBAR	6439
COTTAGE GROVE	7959
OSWEGO	8888
VERDIGIRS	9009
PINK	9213
BROWN	9450
MISSISSIPPIAN	9520

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

Were unusual drilling circumstances encountered? No Explanation:

Other Remarks

EXCEPTION TO RULE 165:10-3-28 ORDER. 707243

Lateral Holes

Sec: 33 TWP: 10N RGE: 5W County: GRADY

SE NW NE NW

448 FNL 1934 FWL of 1/4 SEC

Depth of Deviation: 9218 Radius of Turn: 502 Direction: 1 Total Length: 9815

Measured Total Depth: 19823 True Vertical Depth: 9345 End Pt. Location From Release, Unit or Property Line: 448

FOR COMMISSION USE ONLY

1143385

Status: Accepted

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