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.: Drilling Finished Date: August 11, 2013

1st Prod Date: October 17, 2013

Completion Date: October 08, 2013

Amend Reason: RECOMPLETION / CORRECT PRODUCTION CASING DEPTH AND TOTAL

Recomplete Date: October 23, 2017

Drill Type: DIRECTIONAL HOLE

Amended

DEPTH

Min Gas Allowable: Yes

Well Name: HARKREADER 2-11 Purchaser/Measurer: CIMAREX

First Sales Date: 11/01/2017

Location: GARVIN 11 1N 3W

NE SW SE NW 2195 FNL 1672 FWL of 1/4 SEC

Latitude: 34.57338782 Longitude: -97.487035693 Derrick Elevation: 0 Ground Elevation: 967

Operator: CITATION OIL & GAS CORPORATION 14156

PO BOX 690688 14077 CUTTEN RD HOUSTON, TX 77269-0688

Completion Type			
	Single Zone		
	Multiple Zone		
Х	Commingled		

Location Exception
Order No
There are no Location Exception records to display.

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

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	48	H40	1093		820	SURFACE
INTERMEDIATE	9 5/8	36/40	J55/P110	7502		600	4781
PRODUCTION	5 1/2	17	N80	10226		980	4800

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

Total Depth: 10225

Packer					
Depth	Brand & Type				
7354	TUBING ANCHOR				
7717	SEAT NIPPLE				
7902	BULL PLUG				

Plug			
Depth	Plug Type		
9015	CIBP WITH 2 SX CEMENT		

July 03, 2018

	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
Nov 15, 2017	WOODFORD / HUNTON / VIOLA	101		309	3059	425	PUMPING		40	170
Mar 15, 2018	WOODFORD / HUNTON / VIOLA	3		47	15667	8	PUMPING			

Completion and Test Data by Producing Formation

Formation Name: VIOLA

Code: 202VIOL

Class: GAS

Spacing Orders				
Order No	Unit Size			
NONE				

Perforated Intervals				
From	То			
8560	8650			
8215	8366			

Acid Volumes

VIOLA LOWER PERFS (8560-8650): 60 BBLS 15% NEFE HCL

VIOLA UPPER PERFS (8215-8366): 5000 GALLONS 15% NEFE HCL

Fracture Treatments

VIOLA LOWER PERFS (8560-8650): FRAC WITH 7710 BBLS FRAC WATER, 101600 #S 40/70 WHITE SAND. VIOLA UPPER PERFS (8215-8366): FRAC WITH 14871 BBLS FRAC WATER, 189000 #S 40/70 WHITE SAND.

Formation Name: HUNTON

Code: 269HNTN

Class: GAS

Spacing Orders				
Order No	Unit Size			
28282	40			

Perforated Intervals				
From	То			
7996	8028			

Acid Volumes

2500 GALLONS 15% NEFE HCL

Fracture Treatments

FRAC WITH 1438 BBLS FRAC WATER, 24900 #S 40/70 WHITE SAND.

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

Spacing Orders						
Unit Size						

Perforated Intervals					
From	То				
7696	7890				

Acid Volumes

3000 GALLONS 15% NEFE HCL

Fracture Treatments

FRAC WITH 7843 BBLS FRAC WATER, 94600 #S 40/70 WHITE SAND

Formation Name: WOODFORD / HUNTON / VIOLA

Code:

Class: GAS

Formation	Тор
WOODFORD	7593
HUNTON	7989

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

Were unusual drilling circumstances encountered? No

July 03, 2018 2 of 3

VIOLA	8143
BROMIDE	8683
MCLISH	9815
OIL CREEK	10172

Explanation:

Other Remarks

ABANDONDED THE BROMIDE/MCLISH PERFORATIONS WITH CIBPS, AND RECOMPLETED THE WELL TO A WOODFORD/HUNTON/VIOLA PRODUCER. FINAL SURVEYS: MD 10255 WAS DRILLED CONVENTIONALLY AFTER LAYING OUR TOOLS DOWN @ 10173

Bottom Holes

Sec: 11 TWP: 1N RGE: 3W County: GARVIN

NW SE SE NW

429 FSL 565 FEL of 1/4 SEC

Depth of Deviation: 0 Radius of Turn: 0 Direction: 0 Total Length: 0

Measured Total Depth: 10225 True Vertical Depth: 10240 End Pt. Location From Release, Unit or Property Line: 429

FOR COMMISSION USE ONLY

1137782

Status: Accepted

July 03, 2018 3 of 3

Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000 Rule 165: 10-3-25

1016EZ

API No.: \$6049249350001

Completion Report

Spud Date: June 23, 2013

OTC Prod. Unit No.: 049 - 211427

Drilling Finished Date: August 11, 2013

Amended

1st Prod Date: October 17, 2013

DEPTH

Completion Date: October 08, 2013

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DIRECTIONAL HOLE

Min Gas Allowable: Yes

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7017-

Total Depth: 10225

Packer						
Depth Brand & Type						
7354	TUBING ANCHOR					
7717	SEAT NIPPLE					
7902	BULL PLUG					

PI	ug
Depth	Plug Type
9015	CIBP WITH 2 SX CEMENT

July 03, 2018