

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.: 35051240690000

Completion Report

Spud Date: October 18, 2016

OTC Prod. Unit No.: 051-218119

Drilling Finished Date: November 18, 2016

1st Prod Date: March 13, 2017

Completion Date: January 18, 2017

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: HARRIS 1-2 UMH

Purchaser/Measurer: FRONTIER ENERGY

Location: GRADY 11 5N 8W
N2 N2 NW NE
255 FNL 1980 FEL of 1/4 SEC
Derrick Elevation: 1227 Ground Elevation: 1200

First Sales Date: 3/13/2017

Operator: WARD PETROLEUM CORPORATION 2296

14000 QUAIL SPRINGS PKWY STE 5000
OKLAHOMA CITY, OK 73134-2619

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	655999		632416	
	Commingled	657083		646444	
		658394			

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	12-1/4			1060		27	SURFACE
SURFACE	9-5/8	36.0	J-55	1100		379	SURFACE
INTERMEDIATE	7	29.0	P-110	9943		305	7000

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4-1/2	13.5	P-110	5815	0	551	9745	15560

Total Depth: 15560

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
Mar 20, 2017	HOXBAR	30	42	150	5000	350	FLOWING	800	64	200

Completion and Test Data by Producing Formation

Formation Name: HOXBAR		Code: 405HXBR	Class: OIL								
<div>Spacing Orders</div> <table> <tr> <th>Order No</th> <th>Unit Size</th> </tr> <tr> <td>627028</td> <td>640</td> </tr> </table>		Order No	Unit Size	627028	640	<div>Perforated Intervals</div> <table> <tr> <th>From</th> <th>To</th> </tr> <tr> <td>10795</td> <td>15394</td> </tr> </table>		From	To	10795	15394
Order No	Unit Size										
627028	640										
From	To										
10795	15394										
<div>Acid Volumes</div> <div>There are no Acid Volume records to display.</div>		<div>Fracture Treatments</div> <div>20 STAGES 141938 BBLS 6956120 #</div>									

Formation	Top
HEEBNER	8368
TONKAWA	8903
WADE	9201
MEDRONO	9660
UPPER MARCHAND	10490
UPPER MARCHAND SS	10532

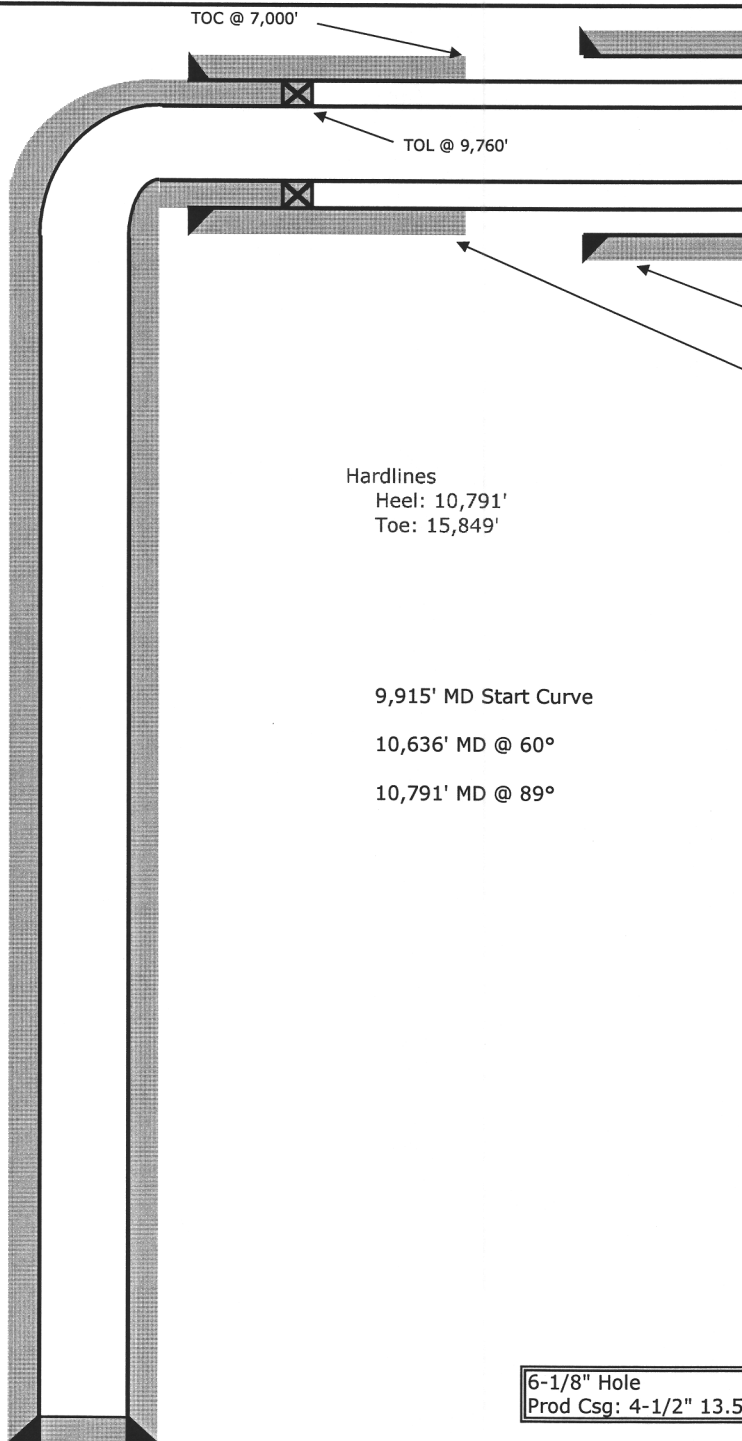
Were open hole logs run? No
 Date last log run:
 Were unusual drilling circumstances encountered? No
 Explanation:

Other Remarks
OCC: FLE ORDER HAS NOT BEEN ISSUED. WE HAVE ACCEPTED OPERATORS DATA AS SUBMITTED. IRREGULAR SECTION.

Lateral Holes
Sec: 2 TWP: 5N RGE: 8W County: GRADY NW NE NW NE 260 FNL 1937 FEL of 1/4 SEC Depth of Deviation: 9915 Radius of Turn: 573 Direction: 360 Total Length: 4600 Measured Total Depth: 15560 True Vertical Depth: 9254 End Pt. Location From Release, Unit or Property Line: 260

FOR COMMISSION USE ONLY	1136173
Status: Accepted	

Harris 1-2UMH
Wellbore Diagram
Upper Marchand
Grady Co, OK
API 051-24069



SHL: 255' FNL & 1,980' FEL of Sec 11, T 5N, R 8W
BHL: 260' FNL & 1,937' FEL of Sec 2, T 5N, R 8W
KB elev = 1,227
GL elev = 1,201
KB-GL: 26
SPUD: 10/17/2016
TD: 11/17/2016

12-1/4" Hole
Surface Casing: 9-5/8" 36# J-55 LTC: 0' - 1,110'

8-3/4" Hole
Intermediate Casing: 7" 29# P-110 BTC: 0' - 9,943'

Hardlines
Heel: 10,791'
Toe: 15,849'

9,915' MD Start Curve
10,636' MD @ 60°
10,791' MD @ 89°

TD = 15,560' MD
PBTD = 15,460' MD (Alpha)

BHT 175° F

TVD @ Heel = 10,553'
TVD @ Toe = 10,479'

6-1/8" Hole
Prod Csg: 4-1/2" 13.5# P-110 BTC: 9,760' - 15,560'