

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.: 35039225530000

**Completion Report**

Spud Date: September 05, 2018

OTC Prod. Unit No.: 039-224463

Drilling Finished Date: October 06, 2018

1st Prod Date: November 04, 2018

Completion Date: November 04, 2018

**Drill Type:** HORIZONTAL HOLE

Well Name: FRYMIRE 1-18H

Purchaser/Measurer: ENABLE

Location: CUSTER 18 14N 14W  
SE SE SW SE  
270 FSL 1500 FEL of 1/4 SEC  
Latitude: 35.68275 Longitude: -98.72605  
Derrick Elevation: 1696 Ground Elevation: 1671

First Sales Date: 11/04/2018

Operator: UNIT PETROLEUM COMPANY 16711  
PO BOX 702500  
8200 S UNIT DRIVE  
TULSA, OK 74170-2500

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	683476		There are no Increased Density records to display.	
	Commingled	691939			

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	54.5	J-55	1466	1500	1114	SURFACE
INTERMEDIATE	9 5/8	40	P-110	10286	1500	920	4738
INTERMEDIATE	7	29	HCP-110	11367	1500	807	8661

Liner								
Type	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4.5	13.50	P-110	5233	8000	439	10347	15580

**Total Depth: 15585**

Packer		Plug	
Depth	Brand & Type	Depth	Plug Type
10840	BAKER A53	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
Nov 18, 2018	RED FORK	108	47	2872	26593	1544	FLOWING	3576	64/64	355

Completion and Test Data by Producing Formation

Formation Name: RED FORK

Code: 404RDFK

Class: GAS

Spacing Orders

Order No	Unit Size
681214	640

Perforated Intervals

From	To
11402	15585

Acid Volumes

935 BBLs OF 15% HCL ACID
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Fracture Treatments

FRAC 17 STAGES WITH 4,080,150 LBS SAND AND 104,490 BBLs SLICKWATER
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Formation	Top
AVANT	8700
COTTAGE GROVE	8750
CHECKERBOARD	9440
CLEVELAND	9500
OSWEGO	10300
VERDIGRIS LIME	10450
SKINNER	10500
PINK LIME	10720
RED FORK	11350

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

OCC - THIS DOCUMENT IS ACCEPTED BASED ON DATA SUBMITTED, THE FINAL EXCEPTION TO RULE 683476 OAC 165:10-3-28 HAS NOT BEEN ISSUED.

Lateral Holes

Sec: 18 TWP: 14N RGE: 14W County: CUSTER

E2   NW   NE   NE

330 FNL   941 FEL of 1/4 SEC

Depth of Deviation: 10405 Radius of Turn: 634 Direction: 7 Total Length: 4184

Measured Total Depth: 15585 True Vertical Depth: 10895 End Pt. Location From Release, Unit or Property Line: 330

FOR COMMISSION USE ONLY

Status: Accepted

1141489

TEST: ☒ INITIAL  
☐ ANNUAL  
☐ RETEST

RECEIVED

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division

Post Office Box 52000

Oklahoma City, Oklahoma 73152-2000

RECEIVED

Form 1016  
Rev. 2017

APR 9 2019

Oklahoma Corporation Commission  
**BACK PRESSURE TEST FOR NATURAL GAS WELLS**

OAC 165:10-17-6

DATE OF TEST:

12/7/2018

DEC 13 2018

Oklahoma Corporation Commission

DATE OF 1<sup>ST</sup> SALES:

11/4/18

Operator <b>UNIT PETROLEUM COMPANY</b>		Operator # <b>16711-0</b>	
Address <b>P.O. BOX 702500</b>		City <b>TULSA</b>	ST <b>OK</b> ZIP <b>74170</b>
E-mail <b>ryan.pendleton@unitcorp.com</b>	Ph <b>(918) 493-7700</b>	Fax <b>(918) 493-7711</b>	Well Name/# <b>FRYMIRE 1-18H</b>
Gas Volume Reporter <b>UNIT PETRO ENABLE MIDSTREAM</b>	Gas Volume Reporter # <b>16711-0</b>	API # <b>039-22553</b>	
Producing Zone <b>RED FORK 404 R DFK</b>		OTC Lease # <b>039-224463 -0</b>	
Surface Location <b>SE 1/4 SE 1/4 SW 1/4 SE 1/4</b>	Sec <b>18</b>	Twp <b>14N</b>	Rge <b>14W</b>
Zone Location (if different) <b>E2 1/4 NW 1/4 NE 1/4 NE 1/4</b>	Sec <b>18</b>	Twp <b>14N</b>	Rge <b>14W</b>
Field <b>THOMAS</b>		Spacing Size <b>640</b>	

COMPLETION: ☒ Single ☐ Multiple Zone ☐ Commingled ☐ Recompletion Date of Completion **11/04/18**

Total Depth <b>15,585</b>	Plug Back Depth <b>N/A</b>	Packer Set Depth <b>10,833</b>	Elevation <b>1671</b>
Csg Size <b>Intermediate/Intermediate</b>	WT <b>40/29</b>	d <b>P-110/HCP110</b>	Perfs. <b>11402-15585</b>
Tbg Size <b>2.875</b>	WT <b>6.5</b>	d <b>L-80</b>	Perfs. <b></b>
Prod. Thru <b>Tubing</b>	Res. Temp. F <b>@</b>	Mean Grd. Temp. F <b></b>	Atm. Press. PSIA <b>14.4</b>
L13494	H10845	G <sub>s</sub> <b>.6642</b>	%CO <sub>2</sub> <b>.6489</b>
%N <sub>2</sub> <b>.6847</b>	H <sub>2</sub> S(ppm) <b>0</b>	Prover <b></b>	Meter Run <b>3.068</b>
Taps <b>Flg</b>			

SHUT-IN DATA		FLOW DATA						TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
PRESS	(HRS)	LINE SIZE	X	ORIFICE SIZE	PRESS (PSIG)	DIFF (INCHES) (ROOTS)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
1753.4	24	3.068		1.5	196.96	379.39	87.8	520	106	682.3	90	NA	NA	24

RATE OF FLOW CALCULATIONS

COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P <sub>m</sub>	FLOW TEMP. FACTOR F <sub>t</sub>	GRAVITY FACTOR F <sub>g</sub>	SUPER COMPRESS FACTOR F <sub>pv</sub>	RATE OF FLOW (Q) MCFD
11.41	268.036	203.763	.97428	1.227017	1.015133	<b>*3,879</b>

P <sub>t</sub>	TEMP. R	T <sub>t</sub>	Z
	572	1.6171	0.856

5.2646

P<sub>c</sub> **1767.8** (PSIA) P<sub>c</sub><sup>2</sup> **3125.117**

Gas/Liquid Hydrocarbon Ratio <b>46.7/1</b>		MCF/BBL
API Gravity of Liquid Hydrocarbons <b>47</b>		Deg.
Specific Gravity Separator Gas <b>.6642</b>	Specific Gravity Flowing Fluid	
Critical Pressure <b>PSIA</b>	Critical Pressure <b>PSIA</b>	
Critical Temperature <b>R</b>	Critical Temperature <b>R</b>	

P <sub>w</sub>	P <sub>w</sub> <sup>2</sup>	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>
534.4	285.583	2839.533

[1]  $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.100574}{(Not\ to\ exceed\ 5.263)}$

[2]  $\frac{P_c^2}{P_c^2 - P_w^2} = 1.08467$

$\frac{P_c^2}{P_c^2 - P_w^2} = 4.208$

Calculated wellhead open flow <b>4,208</b>	MCFD @ 14.65	Angle of Slope <b>.85</b>	Slope, n <b>49.6 deg</b>
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Remarks \*Flow rate was calculated using Calc-It with upstream pressure taps. The IOCC flow rate calculation does not consider all the factors caused by the extremely high differential reading and therefore is not necessarily as accurate.

PRODUCED OIL WAS 83 BBL, AND WATER 378 BBL

Approved by Commission: <b>JR</b>	Conducted by: <b>HGMI-Steve Hughes</b>	Calculated by: <b>HGMI-Steve Hughes</b>	Checked by: <b>JR</b>
WITNESSED - OCC FIELD STAFF Y <input type="checkbox"/> N <input checked="" type="checkbox"/>		NAME: <b>J Mark Hahn</b>	DATE: <b>12-12-18</b>

NAA ✓ EZ

JR