

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.: 35149217360000

Completion Report

Spud Date: August 12, 2018

OTC Prod. Unit No.: 149-224953

Drilling Finished Date: October 16, 2018

1st Prod Date: December 09, 2018

Completion Date: November 23, 2018

Drill Type: HORIZONTAL HOLE

Well Name: FLORENCE 25X36-10-19 3HB

Purchaser/Measurer: ENBRIDGE

Location: WASHITA 24 10N 19W
NE SW SE SW
400 FSL 1820 FWL of 1/4 SEC
Latitude: 35.32139244 Longitude: -99.16387817
Derrick Elevation: 1912 Ground Elevation: 1884

First Sales Date: 12/9/18

Operator: FOURPOINT ENERGY LLC 23429

100 SAINT PAUL ST STE 400
DENVER, CO 80206-5140

Completion Type		Location Exception		Increased Density	
X	Single Zone	Order No		Order No	
	Multiple Zone	694387		679291	
	Commingle	694487			

Casing and Cement							
Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	54.5	J-55	800	700	530	SURFACE
INTERMEDIATE	9 5/8	40	J-55	6535	4000	935	SURFACE
PRODUCTION	5 1/2	20	P-110	23137	2750	2625	3474

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

Total Depth: 23171

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

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
Dec 25, 2018	DES MOINES-GRANITE WASH	102	48	8234	80725	1182	FLOWING	1500	39/64	1400

Completion and Test Data by Producing Formation

Formation Name: DES MOINES

Code: 404DSMN

Class: GAS

Spacing Orders

Order No	Unit Size
247414	640
694572	MULTIUNIT

Perforated Intervals

From	To
18126	22974

Acid Volumes

64000 GALS FE 15%

Fracture Treatments

652340 LBS OF COMMON WHITE 100 MESH, 5571140 LBS OF PREMIUM WHITE 40/70 MESH MAX CONC., & 2323060 LBS OF PREMIUM WHITE CRC 40/70 MESH & 272049 BBLs WATER

Formation Name: GRANITE WASH

Code: 000GRWS

Class: GAS

Spacing Orders

Order No	Unit Size
152486	640
694572	MULTIUNIT

Perforated Intervals

From	To
13220	18050

Acid Volumes

ACIDIZED WITH DES MOINE.

Fracture Treatments

FRACED WITH DES MOINE

Formation Name: DES MOINES-GRANITE WASH

Code:

Class: GAS

Formation	Top
DES MOINES	9099
GRANITE WASH	11224

Were open hole logs run? No

Date last log run:

Were unusual drilling circumstances encountered? No

Explanation:

Other Remarks

EXCEPTION TO RULE - 694487

Lateral Holes

Sec: 36 TWP: 10N RGE: 19W County: WASHITA

SW SW SW SE

226 FSL 2591 FEL of 1/4 SEC

Depth of Deviation: 12300 Radius of Turn: 586 Direction: 178 Total Length: 9951

Measured Total Depth: 23171 True Vertical Depth: 12890 End Pt. Location From Release, Unit or Property Line: 226

FOR COMMISSION USE ONLY

1141572

Status: Accepted

EST: ☒ INITIAL
☐ ANNUAL
☐ RETEST

OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division

Post Office Box 52000

Oklahoma City, Oklahoma 73152-2000

RECEIVED

JUN 19 2019

Form 1016
Rev. 2018

BACK PRESSURE TEST FOR NATURAL GAS WELLS

OAC 165:10-17-6

DATE OF TEST:

5/31/2019

DATE OF 1ST SALES:

12/7/2018

Operator		Fourpoint Energy LLC		Operator #		23429	
Address		100 St Paul Street, Suite 400		City		Denver	
E-mail		tcopeland@fourpointenergy.com		Ph		302-290-0990	
Gas Volumes to be Reported to OCC by:		FLOURE POINT		Gas Volume Reporter #		23429	
Producing Zone		404 DMX GWL		Des Moines 404DSMN		GRANITE WASH	
Surface Location		NE 1/4 SW 1/4 SE 1/4 SW 1/4		Sec		24	
Zone Location (if different)		1/4 1/4 1/4 1/4		Sec		Twp	
Field				Rge		19W	
				County		Washita	
				Spacing Size			

COMPLETION:

☒ Single

☐ Multiple Zone

☐ Commingled

☐ Recompletion

Date of Completion

12/03/18

Total Depth		23171		Plug Back Depth		19318		Packer Set Depth		Elevation		1884 GL	
Csg Size		5.5		WT		20		d		4.78		Depth Set	
Tbg Size				WT				d				Depth Set	
Prod. Thru		Casing		Res. Temp. F		211		@		12860		Mean Grd. Temp. F	
L		18097		H		18097		G _g		.6413		%CO ₂	
												.403	
												%N ₂	
												.399	
												H ₂ S(ppm)	
												Prover	
												Meter Run	
												X	
												Taps	
												Flange	

SHUT-IN DATA		FLOW DATA						TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
		PROVER			DIFF									
PRESS	(HRS)	LINE SIZE	X	ORIFICE SIZE	PRESS	(INCHES)	TEMP	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
					(PSIG)	(ROOTS)								
1302	24	5.761		3.5	118	21	73			896	70			24 ✓

RATE OF FLOW CALCULATIONS

COEFFICIENT (24 HOUR)	$\sqrt{h_w P_m}$	PRESSURE P_m	FLOW TEMP. FACTOR F_t	GRAVITY FACTOR F_g	SUPER COMPRESS FACTOR F_{pv}	RATE OF FLOW (Q) MCFD
65.04	52.7295	132.4	.9877	1.2487	1.0114	4278

P _r	TEMP. R	T _r	Z
.1976	532.7	1.4400	.9975

Gas/Liquid Hydrocarbon Ratio		203.73		MCF/BBL	
API Gravity of Liquid Hydrocarbons		60		Deg.	
Specific Gravity Separator Gas		.6413		Specific Gravity Flowing Fluid	
Critical Pressure		670.15 PSIA		Critical Pressure	
Critical Temperature		369.92 R		Critical Temperature	

P_c 1316.4 (PSIA) P_c² 1732.91

P _w	P _w ²	P _c ² - P _w ²
910.4	828.83	904.08

$$\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.9168}{(Not to exceed 5.263)}$$

$$\frac{P_c^2}{P_c^2 - P_w^2} = 1.7385 \quad \text{WHAOF=Q}$$

Calculated wellhead open flow		7438		MCFD @ 14.65		Angle of Slope		Slope, n		.850	
Remarks		Temporary Frac Plug set @ 19318									
Oil Produced 21 BBLs		Water Produced 201 BBLs									
Approved by Commission:		Conducted by:		Calculated by:		Checked by:					
WITNESSED - OCC FIELD STAFF: Y <input checked="" type="checkbox"/> N <input type="checkbox"/>		NAME: John Digby		Thurmond-McGlothlin		DATE: 6/17/2019					

IF THE ALLOWABLE FOR THIS WELL HAS BEEN ADJUSTED BY COMMISSION ORDER, PLEASE GIVE THE ORDER NUMBER(S) IN ONE OR MORE OF THE CATEGORIES BELOW:

INCREASED DENSITY _____ LOCATION EXCEPTION* _____

COMMINGLING _____ MULTIPLE ZONE _____

SEPARATE OR SPECIAL ALLOWABLE* 684064 (Sec 25); 684065 (Sec 36)

OTHER PENALTY ORDER(S)* Multifunction FO: 694572

* FOR THESE ORDER TYPES, PLEASE DESCRIBE ALLOWABLES AND/OR PENALTIES:

I declare that I have knowledge of the contents of this report and am authorized by my organization to make this report, which was prepared by me or under my supervision and direction, with the data and facts stated herein to be true, correct and complete to the best of my knowledge and belief.

San Jose

Manager

SIGNATURE

TITLE

Thurmond-McGlothlin

06/03/19

580-256-9849

COMPANY

DATE

PHONE NO.

- Pc SHUT-IN PRESSURE, PSIA (LENGTH OF SHUT-IN MINIMUM OF 24 HOURS).
- Pw STATIC COLUMN WELLHEAD PRESSURE CORRESPONDING TO THE FLOWING WELLHEAD PRESSURE, PSIA (TO BE RECORDED AT END OF EACH FLOW RATE.) THE VALUE OF Pw SHOULD NOT EXCEED 90% OF Pc.
- Gg SPECIFIC GRAVITY OF SEPARATOR GAS (AIR = 1.000).
- L LENGTH OF THE FLOW STRING FROM THE MIDDLE OF THE PRODUCING FORMATION TO THE PRESSURE POINT AT WELLHEAD, FEET.
- H VERTICAL DEPTH CORRESPONDING TO L, FEET.
- Q 24 HOUR RATE OF FLOW, MCF/D.
- d INSIDE DIAMETER, INCHES.
- R DEGREES, RANKINE (DEGREES FAHRENHEIT ABSOLUTE).
- Pr REDUCED PRESSURE, DIMENSIONLESS.
- Tr REDUCED TEMPERATURE, DIMENSIONLESS.
- Z COMPRESSIBILITY FACTOR, DIMENSIONLESS.