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.: 35129241120000

Completion Report

Spud Date: February 23, 2018

OTC Prod. Unit No.:

Drilling Finished Date: April 15, 2018

1st Prod Date: May 24, 2018

Amended

Completion Date: April 30, 2018

Amend Reason: LAST PERF AND LATERAL HOLES

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: GENTLE HORSE 2-3HC

Purchaser/Measurer: ENABLE/BP

Location: ROGER MILLS 3 14N 26W
SE NW NW NE
350 FNL 2200 FEL of 1/4 SEC
Latitude: 35.72522779 Longitude: -99.95027391
Derrick Elevation: 2417 Ground Elevation: 2392

First Sales Date: 05/24/2018

Operator: FOURPOINT ENERGY LLC 23429

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

Completion Type	
X	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
662153
673734
688355 NPT

Increased Density
Order No
663020
673734

Casing and Cement

Type	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	54.5	J-55	814	1730	890	SURFACE
INTERMEDIATE	7	29	P-110	11873	11220	930	SURFACE
PRODUCTION	4 1/2	13.5	P-110	16525	12410	1235	6348

Liner

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

Total Depth: 16615

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
Jun 27, 2018		217	54	12297	56668	199	FLOWING	5300	29/64	2800

Completion and Test Data by Producing Formation

Formation Name: MARMATON Code: 404MRMN Class: GAS

Spacing Orders	
Order No	**Unit Size**
126066	640

Perforated Intervals	
From	**To**
12675	16426

Acid Volumes
20000 GALS FE 15% ACID

Fracture Treatments
75,981BBLS WATER AND 243,400 LBS 100 MESH SAND 1,807,940 LBS 40/70 MESH SAND AND 414,690 LBS CRC 40/70 MESH SAND

Formation	Top
MARMATON	11620

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

Were unusual drilling circumstances encountered? No
Explanation:

Other Remarks

OCC - THE ORDER 661087 IS AN EXCEPTION TO RULE 165:10-3-28. OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED THE FINAL LOCATION EXCEPTION HAS NOT BEEN SUBMITTED.

Lateral Holes

Sec: 3 TWP: 14N RGE: 26W County: ROGER MILLS

SE NW SE SE

911 FSL 950 FEL of 1/4 SEC

Depth of Deviation: 11980 Radius of Turn: 482 Direction: 180 Total Length: 3879

Measured Total Depth: 16615 True Vertical Depth: 12352 End Pt. Location From Release, Unit or Property Line: 950

FOR COMMISSION USE ONLY

1143837

Status: Accepted

5/1/19

RECEIVED
APR 22 2019
Oklahoma Corporation Commission

TEST: [X] INITIAL [X] ANNUAL [ ] RETEST

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000
Oklahoma City, Oklahoma 73152-2000

Form 1016
Rev. 2018

BACK PRESSURE TEST FOR NATURAL GAS WELLS

OAC 165:10-17-6

6,1,19

DATE OF TEST: 4/5/2019 DATE OF 1ST SALES: 5/24/2018

Operator	Fourpoint Energy LLC					Operator #	23429
Address	100 ST. Paul Street, Suite 400 3			City	Denver	ST CO	ZIP 80206
E-mail		Ph 303-290-0990		Fax		Well Name#	Gentle Horse 2-3HC
Gas Volumes to be Reported to OCC by:	FOURPOINT			Gas Volume Reporter #	23429	API #	35-129-24112
Producing Zone	Marmation 404MRMN 404MRMN					OTC Lease #	129-224016-0
Surface Location	SE 1/4 NW 1/4 NW 1/4 NE 1/4	Sec 03	Twp 14N	Rge 26W		(OCC use) Allowable #	208238 I→S
Zone Location (if different)	1/4 1/4 1/4 1/4	Sec	Twp	Rge		County	Roger Mills
Field						Spacing Size	640

COMPLETION: [X] Single [ ] Multiple Zone [ ] Commingled [ ] Recompletion Date of Completion 04/30/19

Total Depth	16615	Plug Back Depth		Packer Set Depth		Elevation	2392 GL
Csg Size	4.500	WT 13.5	d 3.92	Depth Set	16525	Perfs.	12675 - 16426
Tbg Size		WT	d	Depth Set		Perfs.	
Prod. Thru	Casing	Res. Temp. F 221	@ 14551	Mean Grd. Temp. F	60	Atm. Press. PSIA	14.4

L	H	G_g	$\%CO_2$	$\%N_2$	H_2S(ppm)	Prover	Meter Run	Taps
14551	14551	.6680	.899	.268			X	Flange

SHUT-IN DATA		FLOW DATA						TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
		PROVER			DIFF									
PRESS	(HRS)	LINE SIZE	X	ORIFICE SIZE	PRESS (PSIG)	(INCHES) (ROOTS)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
1345	24	4.026		2.875	85	53	95			890	80			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
47.19	72.5824	99.4	.9679	1.2235	1.0080	4089

P_r	TEMP. R	T_r	Z
.1486	554.7	1.4673	.9841

Gas/Liquid Hydrocarbon Ratio	157.27	MCF/BBL	
API Gravity of Liquid Hydrocarbons	60	Deg.	
Specific Gravity Separator Gas	.668	Specific Gravity Flowing Fluid	.686
Critical Pressure	669 PSIA	Critical Pressure	668.37 PSIA
Critical Temperature	378.02 R	Critical Temperature	383.57 R

P_c 1359.4 (PSIA) P_c^2 1847.97

P_w	P_w^2	$P_c^2 - P_w^2$
904.4	817.94	1030.03

[1] $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.7941 (Not to exceed 5.263) [2] $\left(\frac{P_c^2}{P_c^2 - P_w^2}\right)^n$ = 1.6435 WHAOF=Q $\left(\frac{P_c^2}{P_c^2 - P_w^2}\right)^n$ = 6720 6959

Calculated wellhead open flow	6720	MCFD @ 14.65	Angle of Slope	Slope, n	.850

Remarks: Oil Produced 26 BBLS Water Produced 8 BBLS

Approved by Commission:	Conducted by:	Calculated by:	Checked by:
	Tony McGaha	Thurmond-McGlothlin	

WITNESSED - OCC FIELD STAFF: Y [ ] N [X] NAME: Kyle Avey (over) DATE: 4-9-2019

SA EZ

TEST: [ ] INITIAL [X] ANNUAL [ ] RETEST

11/1/19

OKLAHOMA CORPORATION COMMISSION
Oil & Gas Conservation Division
Post Office Box 52000
Oklahoma City, Oklahoma 73152-2000

RECEIVED
OCT 03 2019
Oklahoma Corporation Commission

Form 1016
Rev. 2018

BACK PRESSURE TEST FOR NATURAL GAS WELLS

OAC 165:10-17-6

DATE OF TEST: 9/19/2019 DATE OF 1ST SALES: 5/24/2018

Operator	FourPoint Energy LLC					Operator #	23429
Address	100 ST Paul Street, Suite 400			City	Denver	ST CO	ZIP 80206
E-mail	tcopeland@fourpointenergy.com		Ph 303-290-0990	Fax		Well Name/#	Gentle Horse 2-3HC
Gas Volumes to be Reported to OCC by:				Gas Volume Reporter #	23429	API #	35-129-24112
Producing Zone	Marmation 404MRMN					OTC Lease #	129-224016
Surface Location	SE 1/4 NW 1/4 NW 1/4 NE 1/4		Sec 3	Twp 14N	Rge 26W	(OCC use) Allowable #	208238 S
Zone Location (if different)	1/4 1/4 1/4 1/4		Sec	Twp	Rge	County	Roger Mills
Field						Spacing Size	640

COMPLETION: [X] Single [ ] Multiple Zone [ ] Commingled [ ] Recompletion Date of Completion 04/30/18

Total Depth	16615	Plug Back Depth	16469			Packer Set Depth		Elevation	2392 GL
Csg Size	4 1/2	WT	13.5	d	3.92	Depth Set	16525	Perfs.	12675-16426
Tbg Size		WT		d		Depth Set		Perfs.	
Prod. Thru	Casing	Res. Temp. F	221	@	14551	Mean Grd. Temp. F	60	Atm. Press. PSIA	14.4

L	H	G_g	$\%CO_2$	$\%N_2$	H_2S(ppm)	Prover	Meter Run	Taps
14551	14551	.6709	.934	.374			X	Flange

SHUT-IN DATA		FLOW DATA						TUBING DATA		CASING DATA		BHP DATA		FLOW (HRS)
		PROVER			DIFF									
PRESS	(HRS)	LINE SIZE	X	ORIFICE SIZE	PRESS (PSIG)	(INCHES) (ROOTS)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	PRESS (PSIG)	TEMP (F)	
1100	24	4.026		2.875	71	39	59			492	60			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
47.19	57.7114	85.4	1.0010	1.2209	1.0086	3357

P_r	TEMP. R	T_r	Z
.1277	518.7	1.3699	.9830

Gas/Liquid Hydrocarbon Ratio	119.89	MCF/BBL	
API Gravity of Liquid Hydrocarbons	60	Deg.	
Specific Gravity Separator Gas	.6709	Specific Gravity Flowing Fluid	.6945
Critical Pressure	668.69 PSIA	Critical Pressure	667.85 PSIA
Critical Temperature	378.62 R	Critical Temperature	385.89 R

P_c 1114.4 (PSIA) P_c^2 1241.89

P_w	P_w^2	$P_c^2 - P_w^2$
506.4	256.44	985.45

[1] $\frac{P_c^2}{P_c^2 - P_w^2}$ = 1.2602 (Not to exceed 5.263)

[2] $\left(\frac{P_c^2}{P_c^2 - P_w^2}\right)^n$ = 1.2173 WHAOF=Q $\left(\frac{P_c^2}{P_c^2 - P_w^2}\right)^n$ = 4086

Calculated wellhead open flow	4086	MCFD @ 14.65	Angle of Slope	Slope, n	.850
Remarks	Oil Produced 28 BBLS Water Produced 12 BBLS				
Approved by Commission:		Conducted by: Neal Day	Calculated by: Thurmond McGlothlin	Checked by:	
WITNESSED - OCC FIELD STAFF: Y [ ] N [X]		NAME: Kyle Avey (over)		DATE: 9-23-19	

E2

N/A