## Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000

Rule 165: 10-3-25

API No.: 35051243180001 **Completion Report** Spud Date: August 17, 2018

OTC Prod. Unit No.: 051-225018-0-0000 Drilling Finished Date: October 19, 2018

1st Prod Date: January 09, 2019

Amended Completion Date: December 24, 2018 Amend Reason: CORRECT TYPO ON END (TOE) PERFORATION

**Drill Type: HORIZONTAL HOLE** 

Well Name: GRANT 0607 25-24 1WH Purchaser/Measurer: IRON HORSE MIDSTREAM,

LLC

Location: GRADY 25 6N 7W First Sales Date: 01/18/2019

SE SW SE SE 261 FSL 693 FEL of 1/4 SEC

Latitude: 34.957501939 Longitude: -97.88383299 Derrick Elevation: 0 Ground Elevation: 1080

Operator: CAMINO NATURAL RESOURCES LLC 24097

> 1401 17TH ST STE 1000 DENVER, CO 80202-1247

	Completion Type
Х	Single Zone
	Multiple Zone
	Commingled

Location Exception
Order No
698818

Increased Density
Order No
679541

		Cas	sing and Ceme	nt			
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	54.5	J-55	1517		1188	SURFACE
INTERMEDIATE	9 5/8	40	HCP-110	13586		994	8928
PRODUCTION	5 1/2	26	P-110 EC	22477		2678	12707

				Liner				
Type Size Weight Grade Length PSI SAX Top Depth Bottom Depth								
	-		There are	no Liner record	ds to displa	ay.		-

Total Depth: 22485

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** 

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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
Jan 29, 2019	WOODFORD	128	59	13105	102658	3740	FLOWING	5094	32	

#### **Completion and Test Data by Producing Formation**

Formation Name: WOODFORD

Code: 319WDFD

Class: GAS

Spacing Orders					
Order No	Unit Size				
667535	640				
670018	640				
698923	MULTIUNIT				

Perforated Intervals				
From	То			
16600	22369			

Acid Volumes
52,517 GAL ACID

Fracture Treatments
471,570 BBLS FLUID & 18,220,206 LBS PROPPANT

Formation	Тор
WOODFORD	16412

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

Were unusual drilling circumstances encountered? No Explanation:

### Other Remarks

OCC - THE SURFACE LOCATION WAS MOVED FROM THE PERMITTED SURFACE LOCATION THIS DOCUMENT SHOWS THE CORRECT SURFACE LOCATION. OCC - THE FINAL LOCATION EXCEPTION AND FINAL MULTIUNIT ORDERS WILL NEED TO BE AMENED TO SHOW THE NEW OPERATOR CAMINO NATURAL RESOURCES LLC.

#### **Lateral Holes**

Sec: 24 TWP: 6N RGE: 7W County: GRADY

SW SE NE SE

1342 FSL 388 FEL of 1/4 SEC

Depth of Deviation: 15960 Radius of Turn: 1041 Direction: 1 Total Length: 6769

Measured Total Depth: 22485 True Vertical Depth: 16405 End Pt. Location From Release, Unit or Property Line: 388

## FOR COMMISSION USE ONLY

1142608

Status: Accepted

August 21, 2019 2 of 2

## OKLAHOMA CORPORATION COMMISSION

Oil & Gas Conservation Division Post Office Box 52000

# RECEIVED

Form 1016 Rev. 2018

APR 2 5 2019

Oklahoma City, Oklahoma 73152-2000 Oklahoma Corporation BACK PRESSURE TEST FOR NATURAL GAS WELLS Commission 5,1,19 OAC 165:10-17-6 DATE OF TEST: 3/20/2019 DATE OF 1ST SALES Operator Camino Natural Resources LLC 24097 Operator # Address 1401 17 TH STREET SUITE 1000 **DENVER** City ST CO ZIP 80202 E-mail megentile@caminoresources.com 720-405-2729 303-362-7342 Ph Fax GRANT 0607 25-4 1WH Name/# Gas Volumes to be Gas Volume Reporter # 2 4 0 9 API# 051-24318 1 MINB Reported to OCC by: Producing OTC WOODFORD 051-225018 DL Zone Lease # Surface (OCC use) S2 1/4 S2 1/4 SE 1/4 SE 1/4 Sec 06N Rge 07W 25 Twp Location below Allowable # Zone Location 1/4 1/4 1/4 1/4 Sec Rge County GRADY Twp (if different) Field SCOOP 960 Spacing Size COMPLETION: X |Single 01/09/19 Multiple Zone Commingled Recompletion Date of Completion Total Depth 22485 Plug Back Depth Packer Set Depth Elevation 1080 Csg Size 5.5 WT 26 4.67 Depth Set 22477 Perfs. 16600 - 23369 ld Tbg Size WT d Depth Set Perfs Prod. Thru CASING Res. Temp. F 275 @ 19984 Mean Grd, Temp. F 60 Atm. Press. PSIA 14.4 19984 н 19984 G<sub>o</sub> .7678 %co<sub>2</sub> .526 %N<sub>2</sub> .562 H<sub>2</sub>S(ppm) Prover Meter Run Taps Flange FLOW DATA SHUT-IN DATA **TUBING DATA** CASING DATA BHP DATA PROVER DIFF FLOW LINE ORIFICE **PRESS** TEMP PRESS (INCHES) TEMP **PRESS PRESS** TEMP TEMP (HRS) PRESS (HRS) Х SIZE SIZE (PSIG) (ROOTS) (F) (PSIG) (PSIG) (F) (PSIG) 3469 24 4.026 2 986 58 78 2646 79 24 RATE OF FLOW CALCULATIONS PRESSURE FLOW TEMP. FACTOR **GRAVITY FACTOR** SUPER COMPRESS RATE OF FLOW COEFFICIENT (24 HOUR) √ h<sub>w</sub>P<sub>m</sub>  $P_{m}$ FACTOR F (Q) MGED  $F_t$ 20.32 24.8801 1000.4 .9831 1.1412 1.1444 6285 TEMP. R T, Z Gas/Liquid Hydrocarbon Ratio 56.62 MCF/BBI 1.5043 537.7 1.3168 .7636 API Gravity of Liquid Hydrocarbons 60 Deg. Specific Gravity Specific Gravity .7678 .816 Separator Gas Flowing Fluid Critical 665.03 PSIA 662.9 PSIA Pressure Pressure (PSIA) Critical 3483.4  $P_c^2$ Critical 12134.08 408.31 423.03 R Temperature Sec. 25! 78.6878%  $P_w^2$  $P_{c}^{2} - P_{w}^{2}$ 2710.4 7346.27 4787.81 Sec, 24: 21.3122%  $P_c^2$ 2.5344 13854  $P_c^2$  $P_c^2 - P_w^2$ Pc2 - Pw2 [1] (Not to exceed 5.263) [2] 2.2044 WHAOF=Q Calculated wellhead open flow 13854 MCFD @ 14.65 .850 Angle of Slope Slope, n Remarks Oil Produced 111 BBLS Water Produced 278 BBLS Approved by Commission: Conducted by: Calculated by: Checked by:

Steve Airington

NAME:

(over)

NZ

Thurmond McGlothlin

DATE:

WITNESSED - OCC FIELD STAFF:

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		MULTIPLE ZONE	
COMMINGLING			
SEPARAT	E OR SPECIAL ALLOWABLE *		
OTHER PI	ENALTY ORDER(S)* Multiunit Fo	: 698923	
* FOR TH	ESE ORDER TYPES, PLEASE DESCRIBE ALLOWA	BLES AND/OR PENALTIES:	
		t and are outhorized by my organize	stion to make this report
which	are that I have knowledge of the contents of this repor was prepared by me or under my supervision and direct and complete to the best of my knowledge and belie	ection, with the data and facts state	d herein to be true,
	La 20.00	Manager	
SIGN	ATURE	TITLE	
	Thurmond McGlothlin	03/22/19	580-256-9849
COM	PANY	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.		
Н	VERTICAL DEPTH CORRESPONDING TO L, FEE	ET.	
Q	24 HOUR RATE OF FLOW, MCF/D.		
d	INSIDE DIAMETER, INCHES.		
R	DEGREES, RANKINE (DEGREES FAHRENHEIT	ABSOLUTE).	
Pr	REDUCED PRESSURE, DIMENSIONLESS.	i kanana aka fi kanasak aska	
Tr	REDUCED TEMPERATURE, DIMENSIONLESS.	1.90 <b>200 120</b>	
<b>-</b>	COMPRESSIBILITY FACTOR DIMENSIONI ESS		