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

Rule 165: 10-3-25

OTC Prod. Unit No.: 045-225396-0-0000 Drilling Finished Date: October 04, 2018

1st Prod Date: April 15, 2019

Completion Date: April 13, 2019

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: SHREWDER 26-23 1H

Location:

Purchaser/Measurer: MARKWEST

ELLIS 35 18N 23W

First Sales Date: 04/15/2019

SE NE NW NE

500 FNL 1455 FEL of 1/4 SEC Latitude: 35.99767 Longitude: -99.61775 Derrick Elevation: 27 Ground Elevation: 2260

Operator: VALPOINT OPERATING LLC 23241

600 S TYLER ST STE 1701 AMARILLO, TX 79101-2353

Completion Type					
Χ	Single Zone				
	Multiple Zone				
	Commingled				

Location Exception			
Order No			
685032			

Increased Density			
Order No			
There are no Increased Density records to display.			

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
CONDUCTOR	20	54	H-40	120			SURFACE
SURFACE	13 3/8	48	J-55	538		470	SURFACE
INTERMEDIATE	9 5/8	40	L-80	4749		1240	SURFACE
INTERMEDIATE	7 5/8	29.7	P-110	9997		1145	3500
PRODUCTION	5 1/2	20	P-110	20475		990	8000

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

Total Depth: 20485

Packer					
Depth	Brand & Type				
There are no Packer records to display.					

Pi	ug				
Depth	Plug Type				
There are no Plug records to display.					

July 12, 2019

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
Apr 15, 2019	OSWEGO	1076	38	1144	1063	1978	FLOWING	2000	35	975

Completion and Test Data by Producing Formation

Formation Name: OSWEGO

Code: 404OSWG

Class: OIL

Spacing Orders					
Unit Size					
1280					

Perforated Intervals				
From	То			
10179 20346				

Acid Volumes 121,716 GALS HCL

Fracture Treatments

9,537,318 GALS WATER, 1,803,924 POUNDS 100 MESH SAND, 1,664,161 POUNDS 40/70 SAND

Formation	Тор
BASE HEEBNER	7367
DOUGLAS	7424
TONKAWA	7946
COTTAGE GROVE	8486
CLEVELAND SS	9088
BIG LIME	9565
OSWEGO	9750
EXCELLO SHALE	9798
CHEROKEE	10084

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

Were unusual drilling circumstances encountered? No Explanation:

Other Remarks

7-5/8" CASING IS INTERMEDIATE AND 5-1/2" 20# CASING IS PRODUCTION. FRAC COMPLETED ON APRIL 3, 2019. FIRST OIL SALES ON APRIL 14, 2019. FIRST GAS SALES AND STARTED THROUGH PRODUCTION EQUIPMENT ON APRIL 15, 2019. OCC - THIS DOCUMENT IS ACCEPTED BASED ON THE DATA SUBMITTED THE FINAL LOCATION EXCEPTION HAS NOT BEEN ISSUED.

Lateral Holes

Sec: 23 TWP: 18N RGE: 23W County: ELLIS

NE NE NW NE

167 FNL 1459 FEL of 1/4 SEC

Depth of Deviation: 9270 Radius of Turn: 760 Direction: 354 Total Length: 10455

Measured Total Depth: 20485 True Vertical Depth: 9495 End Pt. Location From Release, Unit or Property Line: 167

FOR COMMISSION USE ONLY

1142976

Status: Accepted

July 12, 2019 2 of 3

July 12, 2019 3 of 3

PLEASE TYPE OR USE BLACK INK ONLY

FORMATION RECORD

Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

NAMES OF FORMATIONS	TOP
Base Heebner	7367' (5080'
Douglas	7424' (-5137
Tonkawa	7946' (-5659
Cottage Grove	8486' (-6199
Cleveland SS	9088' (-6801
Big Lime	9565' (-7278
Oswego	9750' (-7463
Excello SH	9798' (-7511
Cherokee	10084'(-7797
*	

LEASE NAME	Shre	wder		WELL NO.	26-23 1H
		FO	R COMMISSION USE	ONLY	
ITD on file	res	ОИ			
APPROVED [DISAPPROVED	_	2) Reject Codes		
Were open hole logs rur	1?	_yes	X_ no		
Date Last log was run			N/A		
Was CO ₂ encountered?		_yes	X no at what o	lepths?	
Was H₂S encountered?		_yes	no at what o	epths?	
Were unusual drilling cire		ountere	d?	yes _	X no

Other remarks	7-5/8" is Interm	ediate and 5-1/2"	is production	. 5-1/2" 20# is	s Production.				
Frac Completed on 4/3/2019. First oil sales on 4/14/2019. First gas sales and started through production equipment on 4/15/2019.									/2019.
PUN - 045	225396-0-0000						1 7 7		

_	 	640	Acres		
				×	

If more than three drainholes are proposed, attach a separate sheet indicating the necessary information.

Direction must be stated in degrees azimuth. Please note, the horizontal drainhole and its end point must be located within the boundaries of the lease or spacing unit.

Directional surveys are required for all drainholes and directional wells.

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	 	640	Acres			
		1	k .			
				-		
					1.00	
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BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC TWP	RGE		COUNTY			
Spot Location	1/4	1/4	1/	Feet From 1/4 Sec Lines	FSL	FWL
Measured Total Depth		True Vertical De	oth	BHL From Lease, Unit, or Pr	operty Line:	
				1		

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1						naL	-)	Per LE	exhibit
SEC 23		18	RGE	23W	COUNTY			Ellis 167	FEL 1459
Spot Local	tion 1/4	NE	1/4	NW 1/4	NE	1/4	Feet From 1/4 Sec Lines	ESL 2474	EWL 1181'
Depth of Deviation		9,270'		Radius of Turn	760	•	Direction 354 ,359.51	Total Length	10,455'
Measured	Total De	pth		True Vertical De	epth		BHL From Lease, Unit, or Prop	erty Line:	
	20,4	85		9,4	495		16 6 ' FN	L and 1459' FE	ΞL

SEC	TWP	RGE		COUNTY			
Spot Loc	cation 1/4	1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation			Radius of Turn		Direction	Total Length	
Measure	ed Total Depth		True Vertical De	pth	BHL From Lease, Unit, or Pro		

SEC	TWP	RGE	COUNTY			
Spot Loc	cation 1/4	1/4	1/4 1.	Feet From 1/4 Sec Lines	FSL	FWL
Depth of Deviation	n		Radius of Turn	Direction	Total Length	
Measure	d Total Depth		True Vertical Depth	BHL From Lease, Unit, or Pr	operty Line:	