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

Rule 165: 10-3-25

API No.: 35151244920000 **Completion Report** Spud Date: December 09, 2016

OTC Prod. Unit No.: 151-218387 Drilling Finished Date: December 21, 2016

1st Prod Date: February 05, 2017

Completion Date: February 04, 2017

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: LORETTA 2616 1H-02 A Purchaser/Measurer: SEMGAS

Location: WOODS 3 26N 16W First Sales Date: 02/15/2017

NW NW NW NE 260 FNL 2430 FEL of 1/4 SEC

Longitude: -98.90730823

Derrick Elevation: 0 Ground Elevation: 1653

Operator: MIDSTATES PETROLEUM COMPANY LLC 23079

> 321 S BOSTON AVE STE 1000 TULSA, OK 74103-3322

	Completion Type					
Х	Single Zone					
	Multiple Zone					
	Commingled					

Location Exception
Order No
658419

Increased Density
Order No
660723

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	9 5/8	36	J-55	1257		685	SURFACE
PRODUCTION	7	26	P-110	7124		450	3800

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4.5	11.6	P-110	5366	0	590	7053	12419

Total Depth: 12419

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

March 29, 2017 1 of 2

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
Mar 04, 20	17 MISSISSIPPI	175	30	1217	6954	4670	PUMPING	152	64/64	373

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPI

Code: 351MISS

Class: OIL

Spacing Orders					
Order No	Unit Size				
544327	640				

Perforated Intervals				
From	То			
7481	12320			

Acid Volumes

5,169 BARRELS 15% GELLED AND RET ACID, 821 BARRELS 15% HCL

Fracture Treatments
102,023 BARRELS SLICK WATER, 178,954 POUNDS
ROCK SALT

Formation	Тор
HEEBNER SHALE	4563
ENDICOTT	4634
TONKAWA	4949
AVANT	5204
COTTAGE GROVE	5237
HOGSHOOTER	5309
OSWEGO	5498
CHEROKEE	5619
MISSISSIPPI LIME	5773

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 THE DATA SUBMITTED THE FINAL LOCATION EXCEPTION HAS NOT BEEN SUBMITTED.

Lateral Holes

Sec: 2 TWP: 26N RGE: 16W County: WOODS

SE SW SW SW

101 FSL 620 FWL of 1/4 SEC

Depth of Deviation: 7554 Radius of Turn: 1495 Direction: 179 Total Length: 5295

Measured Total Depth: 12419 True Vertical Depth: 6031 End Pt. Location From Release, Unit or Property Line: 101

FOR COMMISSION USE ONLY

1136176

Status: Accepted

March 29, 2017 2 of 2

OKL	AHOMA	CORPOR	ATION	COMMISSION	

API 454 04400	T PLEASE TYPE OR II	SE BLACK INK ONLY					اِ		-	
NO. 151 24492 OTC PROD. 151 218387 UNIT NO. 151 218387 Attach copy of original 1002A if recompletion or reentry.			O	OKLAHOMA CORPORATION COMMISSION Oil & Gas Conservation Division Post Office Box 52000			ON	MAR 1 0 2017		
✓ ORIGINAL	ii recompletio	on or reentry.				na 73152-2000		NZE A LIV	~ A A A	
AMENDED (Reason)					Rule 165:10 PLETION F		C)KLAH(COMM	ORPORATION
TYPE OF DRILLING OPERATIONS STRAIGHT HOLE			SPUE	DATE 12	/09/20	16			640 Acres	s
SERVICE WELL	DIRECTIONAL HOLE	HORIZONTAL HOLE	DRLG	FINISHED 1	2/24/2	016				
	reverse for bottom hole location		DATE	OF WELL	212112	016				
COUNTY Woods		TWP 26N RGE 16W	СОМЕ	OF WELL ()2/04/2	017				+
LEASE Loretta 2616		WELL 1H-0	2 A 1st PF	ROD DATE ()2/05/2	017				+++
NW 1/4 NW 1/4 NW	1/4 NE 1/4 1/4 SEC	260N 14 SEC 243	30E RECO	OMP DATE			w			++
ELEVATIO Grou		if known) 36.7679986			73082	30			<u> </u>	<u> </u>
	Petroleum Compan	v.11.C	070/000							
		y LLC	OPERATO	_{R NO.} 2307	9					
ADDRESS 321 South E	sosion, Suite 1000			1						
CITY Tulsa		STATE OK		ZIP 7	4103			L	OCATE WI	ELL
COMPLETION TYPE		CASING & CEMEN	T -	T***			Т			-
SINGLE ZONE MULTIPLE ZONE		TYPE	SIZE	WEIGHT	GRADE	FE	EΤ	PSI	SAX	TOP OF CMT
Application Date		CONDUCTOR								
COMMINGLED Application Date		SURFACE								
EXCEPTION ORDER 6584	419 [, <i>0</i> ,	INTERMEDIATE	9-5/8	36#	J-55	1,257'			685	surface
INCREASED DENSITY 660723		PRODUCTION	7	26#	P-110	7,124'			450	3,800'
		LINER	4.5	11.6#	P-110	7,053'	12,419'		590	5,346'
PACKER @BRA	ND & TYPE	PLUG @	TYPE		PI LIG @	TY	of .		TOTAL DEPTH	12,419'
PACKER @BRA	ND & TYPE	PLUG @	TYPE			TYF			νω: IΠ	
	TA BY PRODUCING FORM	ATION 35/11	1155		· · · · · ·					/
FORMATION SPACING & SPACING	Mississippi	-								Reported to Frac Fi
ORDER NUMBER	640/544327								<u> </u> '- <i>j</i>	to Frac Fo
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Ges Oil	per 6	OK							
BEB-00	7,481'-12,320'									
PERFORATED INTERVALS										
ACID/VOLUME	5169 bbls 15% gelled & ret a	acid 821 bbls 15% H	ICI							
	102,023 bbls slk wtr								_	
FRACTURE TREATMENT (Fluids/Prop Amounts)	_,		- 							
()	178,954# rock salt								+	
	Min Gas A	Allowable (165:	:10-17-7)		Gae D	urchaser/Mea	Surer	901	 mGas	
INITIAL TEST DATA		OR .				Sales Date	va101		15/2017	
NITIAL TEST DATE	03/04/2017	,						-		
DIL-BBL/DAY	175									
OIL-GRAVITY (API)	30							11.	+	
GAS-MCF/DAY	1,217		/////	//////	/////			<u>///</u> _	+	
GAS-OIL RATIO CU FT/BBL	6,954					///// MIT		\ -		
WATER-BBL/DAY	4 670		An.	c C	IIR	MIT		I V-	+	

PUMPING OR FLOWING Pumping INITIAL SHUT-IN PRESSURE 152 CHOKE SIZE 64/64 FLOW TUBING PRESSURE 373

ed through, and pertinent remarks are presented on the reverse. I declare that I have knowledge of the contents of this report and am authorized by my organization prepared by me of 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.

03/04/2017 918-947-4647 Chelce Rouse NAME (PRINT OR TYPE) DATE PHONE NUMBER

321 South Boston, Suite 1000 Tulsa, OK 74103 chelce.rouse@midstatespetroleum.com ADDRESS CITY EMAIL ADDRESS STATE ZIP

PLEASE TYPE OR USE BLACK INK ONL FORMATION RECORD Give formation names and tops, if available, or descriptions and thi drilled through. Show intervals cored or drillstem tested.	•	LEASE NAME <u>Loretta</u>	a 2616	WELL N	o. <u>1H-02 A</u>
NAMES OF FORMATIONS	TOP		FOR COMMI	ISSION USE ONLY	
HEEBNER SHALE ENDICOTT TONKAWA AVANT COTTAGE GROVE HOGSHOOTER	4563 4634 4949 5204 5237 5309	ITD on file YE	ES NO SAPPROVED	ot Codes	
OSWEGO CHEROKEE MISSISSIPPI LIME	5498 5619				
MISSISSIPPI LIME	5773				
		Were open hole logs run? Date Last log was run Was CO ₂ encountered? Was H ₂ S encountered? Were unusual drilling circulf yes, briefly explain below	N/A yes vno yes vno	· -	no
Other remarks:	***				
	-				
					
640 Acres BOTTOM H	OLE LOCATION FOR D	RECTIONAL HOLE			
	TWP RGE	COUNTY			
Spot Location	חס		I		
	1/4 1/4	1/4 1/4 True Vertical Depth	Feet From 1/4 Sec Lines BHL From Lease, Unit, or Prop	FSL perty Line:	FWL
воттом н	OLE LOCATION FOR H	ORIZONTAL HOLE: (LATERAL	S)		
LATERAL #	TWP and RGE	COUNTY MA			
O2 Spokt ocation	n . /	TOVV VVC	oods		620
Spot Location S2	1/4	W 1/4 SW 1/4	Feet From 1/4 Sec Lines	FSL 185 101	FWL680
If more than three drainholes are proposed, attach a separate sheet indicating the necessary information. Depth of 7 Deviation 7 Measured T		Radius of Turn 1,495	Direction 179.40	Total Length 5,295	
Direction must be stated in degrees azimuth.	12,419'	True Vertical Depth 6,031'	BHL From Lease, Unit, or Prop	205 101	,
Please note, the horizontal drainhole and its end point must be located within the boundaries of the LATERAL #					
Bias ii	TWP RGE	COUNTY			
	n 1/4 1/4	1/4 1/4	Feet From 1/4 Sec Lines	FSL	FWL
640 Acres Depth of Deviation		Radius of Tum	Direction	Total Length	
Measured To	atal Dauth	True Vertical Depth	I .	Lengui	

SEC TWP

Spot Location

Depth of Deviation

Measured Total Depth

RGE

1/4 Radius of Turn

True Vertical Depth

COUNTY

Feet From 1/4 Sec Lines

Length
BHL From Lease, Unit, or Property Line:

Direction

FSL

Total

FWL