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

Rule 165: 10-3-25

API No.: 35151244910000 **Completion Report** Spud Date: December 22, 2016

OTC Prod. Unit No.: 151-218386 Drilling Finished Date: January 03, 2017

1st Prod Date: February 05, 2017

Completion Date: February 04, 2017

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: LORETTA 2616 1H-03 C Purchaser/Measurer: SEMGAS

Location: WOODS 3 26N 16W First Sales Date: 02/08/2017

NW NW NW NE 245 FNL 2430 FEL of 1/4 SEC

Longitude: -98.90730804

Derrick Elevation: 0 Ground Elevation: 1653

Operator: MIDSTATES PETROLEUM COMPANY LLC 23079

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

Completion Type				
X Single Zone				
Multiple Zone				
Commingled				

Location Exception
Order No
660775

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
SURFACE	9 5/8	36	J-55	1246		685	SURFACE
PRODUCTION	7	26	P-110	6542		380	3300

					Liner				
Γ	Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
	LINER	4.5	11.6	P-110	5367	0	585	6162	11529

Total Depth: 11529

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 06, 2017	MISSISSIPPIAN	217	29	1158	5336	4459	PUMPING	152	64/64	330

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

100,184

Class: GAS

Spacing Orders					
Order No	Unit Size				
659922	640				

Perforated Intervals			
From	То		
6562	11430		

Acid Volumes

6,246 BARRELS 15% GELLED AND RET ACID, 830 BARRELS 15% HCL

Fracture Treatments			
BARRELS SLICK WATER, 186,000 POUNDS	•		
ROCK SALT			

Formation	Тор
HEEBNER SHALE	4587
ENDICOTT	4637
TONKAWA	4926
AVANT	5191
COTTAGE GROVE	5225
HOGSHOOTER	5309
OSWEGO	5489
CHEROKEE	5610
MISSISSIPPI LIME	5770

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: 3 TWP: 26N RGE: 16W County: WOODS

SW SE SW SE

167 FSL 1895 FEL of 1/4 SEC

Depth of Deviation: 6632 Radius of Turn: 1315 Direction: 181 Total Length: 4987

Measured Total Depth: 11529 True Vertical Depth: 5898 End Pt. Location From Release, Unit or Property Line: 167

FOR COMMISSION USE ONLY

1136177

Status: Accepted

March 29, 2017 2 of 2

Form 1002A Rev. 2009

API 151 24491	PLEASE TYPE OR	USE BLACK	(INK ONLY		O	KLAHOMA C	OPPORAT	ION COM	/ISSION			MA	ΔR 1	1 0	201	7	
OTC PROD. 151 218386	Attach copy of	f original 1			O.	Oil & Gas	s Conserva t Office Box	tion Divisio			•					and the	
	if recompleti	on or reer	ntry.			Oklahoma C	ity, Oklahor	na 73152-	2000	Ol	KLA.	HŎ	MA (ZOR	(POF	RATIO	N
✓ ORIGINAL AMENDED (Reason)							Rule 165:10 PLETION I					U	JIVIIV	/IIOS	SION		
TYPE OF DRILLING OPERA		7			Spili			-	1				640 /	Acres			
STRAIGHT HOLE SERVICE WELL	DIRECTIONAL HOLE	V HOR	ZONTAL HOLE	Ξ.		DATE 12			-					*			٦
If directional or horizontal, see	reverse for bottom hole loca	tion.			DATE	'	01/03/2										1
COUNTY Woods	SEC 03	TWP 26N	RGE 16W		COM	OF WELL ()2/04/2	017					+				┨
LEASE Loretta 2616			WELL 1H-(03 C	1st PF	ROD DATE (02/05/2	:017								+	\dashv
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OPERATOR Midstates I				TOTO	1000	R NO. 2307			1								╛
ADDRESS 321 South E				OPE	:RATO	R NO. 2007			1								╛
CITY Tulsa	2031011, Outle 1000		CTATE OIL	_		710.7	4400		-								
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SINGLE ZONE		CAS	NG & CEMEN TYPE		irm 10 IZE	WEIGHT	GRADE		FEET		F	PSI	s	AX	TOF	OF CMT	٦
MULTIPLE ZONE		CON	DUCTOR	+								-					┨
Application Date COMMINGLED		I	ACE	_			-	ļ		-			\vdash				+
Application Date LOCATION 6607	75 1/0	l	RMEDIATE	Ya.	-5/8	36#	J-55	1,246'					685	\dashv	surfa		┨
EXCEPTION ORDER 6607 INCREASED DENSITY N/A	· · · ·	PROI	DUCTION	7	-0/0	26#		6,542					+		3,30		┨
ORDER NO.	-	LINE	₹	4.5	5	11.6#		6,162		529'		câl	380 3545	_	3,54		┨
DAOMED O DO	VI - T/-	<u> </u>	 .	1						020			TOTAL	L	11,5		┨
PACKER @ BRA PACKER @ BRA	ND & TYPE	PLUG			TYPE TYPE		PLUG@					- 1	DEPTH	+ [11,0		L
COMPLETION & TEST DA	TA BY PRODUCING FOR	MATION	-3591		51)	0		•								
FORMATION	Mississippi Lime	11551	SErDOIA	1										R	1001	ted	
SPACING & SPACING ORDER NUMBER	640/659922		//											to	FC	ac Fe	æ
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Gas]
	6,562'-11,430'																╛
PERFORATED INTERVALS																	
ACID/VOLUME	6246 bbls 15% gelled & ret	acid 830	bbls 15% ⊦	<u>ICI</u>													╛
EDACTINE TOTATMENT	100,184 bbls slk wtr																
FRACTURE TREATMENT (Fluids/Prop Amounts)																	╛
	186,000# rock salt																╛
		Allowable	(165:	:10-17	-7)				Measurer				mGas				_
INITIAL TEST DATA	Oil Allov	OR vable	(165:10-13-3)				First	Sales Date)		-	02/0	08/20	<u>17</u>			_
INITIAL TEST DATE	03/06/2017		·														٦
OIL-BBL/DAY	217			_									-				1
OIL-GRAVITY (API)	29					(/////	/////	/////	7////		11						┨
GAS-MCF/DAY	1,158		/ <u>/</u>		///						€-		\rightarrow				+
GAS-OIL RATIO CU FT/BBL	<u> </u>					CI	IDI	1117	TE	'n		,	\rightarrow				+
	5,336	-	<u> </u>	IA	O	JU	JBI	78 1		,U	1		\rightarrow				4
WATER-BBL/DAY	4,459		——¾	ļ.,	,	77777	7777	////	/////	777	7/5						4
PUMPING OR FLOWING	Pumping		'[/			//////			<u> </u>	///	///						4
NITIAL SHUT-IN PRESSURE	102									L							1
CHOKE SIZE	64/64																1
FLOW TUBING PRESSURE	330													_			
record of the formations dri to make this report, which wa	ned through, and pertinent rec aprepared by me or under my	supervision	esented on the and direction,	revers with th	e. I de e data	clare that I ha and facts stat	ave knowled ed herein to	ige of the o	contents of correct, and	this replaced to the complete of the complete	ete to i	the be	est of m	ny knov	y my org wledge -947-4	and belief.	
321 South Boston				NAME	(PRIN	IT OR TYPE)	chelce	rouse@	mids	DA [*] tates		oleun			UMBER]

ADDRESS

CITY

STATE

ZIP

EMAIL ADDRESS

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 drillethe tested.

					
NAMES OF FORMATIONS	TOP		FOR COMMIS	SION USE ONLY	
HEEBNER SHALE	4587	ITD on file	ES NO		
ENDICOTT	4637	10000VED 51	CARROCATO		
		APPROVED DI	SAPPROVED 2) Reject	Codes	
TONKAWA	4926		=,,		
AVANT	5191				
COTTAGE GROVE	5225				
HOGSHOOTER					
	5309		•		
OSWEGO	5489				
CHEROKEE	5610			<u> </u>	
MISSISSIPPI LIME	5770				
WILCOLOGII LIIVIL	3770				
	l i				 1
	1	Were open hole logs run?	yes V no		
		D-1-1			
		Date Last log was run	N/A		
		Was CO ₂ encountered?	yes vono	at what depths?	
•		Was H₂S encountered?	ves 🗸 no	at what depths?	
		Was H ₂ S encountered?	yes 🔻 110	at what depths:	
		Were unusual drilling circ		yes	lv ho
		If yes, briefly explain below	W		
Other remarks:					
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			· ··· · · · · · · · · · · · · · · · ·		
640 Acres BOTTO	M HOLE LOCATION FOR (DIRECTIONAL HOLE			
640 Acres BOTTON	# HOLE LOCATION FOR I				
SEC	TWP RGE				
	TWP RGE	COUNTY	Feet From 1/4 Sec Lines	FSL	FWL
SEC Spot Loc	TWP RGE		Feet From 1/4 Sec Lines BHL From Lease, Unit, or Prope	1.	FWL
SEC Spot Loc	TWP RGE	COUNTY 1/4 1/4	 	1.	FWL
SEC Spot Loc	TWP RGE	COUNTY 1/4 1/4	 	1.	FWL
SEC Spot Loc Measure	ation 1/4 d Total Depth	COUNTY 1/4 1/4	BHL From Lease, Unit, or Prope	erty Line:	
SEC Spot Loc Measure BOTTON	ation 1/4 1/4 d Total Depth # HOLE LOCATION FOR H	1/4 1/4 True Vertical Depth	BHL From Lease, Unit, or Prope	erty Line:	
SEC Spot Loc Measure BOTTON	ation 1/4 1/4 d Total Depth # HOLE LOCATION FOR H	1/4 1/4 True Vertical Depth HORIZONTAL HOLE: (LATERAL	BHL From Lease, Unit, or Prope S)	1.	
SEC Spot Loc Measure BOTTOM LATERA SEC 03	ation 1/4 d Total Depth # HOLE LOCATION FOR H L#1 TWP 26N RGE	1/4 1/4 True Vertical Depth HORIZONTAL HOLE: (LATERAL	BHL From Lease, Unit, or Prope	erty Line:	
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SEC Spot Loc Measure BOTTOM LATERA SEC 03 Spot Loc Depth of Deviation	TWP RGE ation 1/4 1/4 d Total Depth # HOLE LOCATION FOR H L #1 TWP 26N ation 1/4 \$25 5 1/4 6,632 d Total Depth	COUNTY	BHL From Lease, Unit, or Prope S) Pods Feet From 1/4 Sec Lines	FSL 185 167 Total Length 4,987' brty Line:	1895 F
BOTTOM LATERA SEC Spot Loc Measure BOTTOM LATERA SEC 3 Stot Loc Solve Loc Sec Loc LATERA SEC O Spot Loc Measure Depth of Deviation Measure Direction must be stated in degrees azimuth.	TWP RGE ation 1/4 1/4 d Total Depth M HOLE LOCATION FOR H L#1 TWP 26N RGE ation 1/4 92 5 1/4 6,632	1/4 1/4 True Vertical Depth HORIZONTAL HOLE: (LATERAL 16W COUNTY WC SW 1/4 SE 1/4 Radius of Turn 1,315	BHL From Lease, Unit, or Prope Solution Feet From 1/4 Sec Lines Direction 181	FSL 185 /67 Total Length 4,987'	1895 F
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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. 640 Acres Depth of Deviation Spot Loc Spot Loc Spot Loc Measure LATERA SEC LATERA SEC	ation 1/4 1/4 1/4 d Total Depth M HOLE LOCATION FOR H L #1 TWP 26N ation 1/4 6,632 d Total Depth 11,529' L #2 TWP RGE ation 1/4 1/4 d Total Depth L #3 TWP RGE	COUNTY	BHL From Lease, Unit, or Prope S) Pet Foods Feet From 1/4 Sec Lines Direction BHL From Lease, Unit, or Prope Feet From 1/4 Sec Lines Direction	FSL_185/67 Total Length FSL Total Length	1895 F
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. 640 Acres SEC Spot Loc Measure LATERA SEC Spot Loc Measure	ation 1/4 1/4 1/4 d Total Depth M HOLE LOCATION FOR H L #1 TWP 26N ation 1/4 6,632 d Total Depth 11,529' L #2 TWP RGE ation 1/4 1/4 d Total Depth L #3 TWP RGE ation	COUNTY	BHL From Lease, Unit, or Prope S) Pet Food S Feet From 1/4 Sec Lines Direction BHL From Lease, Unit, or Prope Feet From 1/4 Sec Lines Direction BHL From Lease, Unit, or Prope	FSL_185/67 Total Length FSL Total Length	1895 F
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LEASE NAME Loretta 2616

WELL NO. 1H-03 C

RECEIVED PLEASE TYPE OR USE BLACK INK ONLY Form 1002A 151 24491 MAR 1 0 2017 NOTE: OKLAHOMA CORPORATION COMMISSION OTC PROD. 151 218386 Rev. 2009 Oil & Gas Conservation Division Attach copy of original 1002A Post Office Box 52000 OKLAHOMA CORPORATION 1016EZ
COMMISSION if recompletion or reentry. Oklahoma City, Oklahoma 73152-2000 ✓ ORIGINAL Rule 165:10-3-25 AMENDED (Reason) COMPLETION REPORT TYPE OF DRILLING OPERATION 640 Acres SPUD DATE 12/22/2016 STRAIGHT HOLE DIRECTIONAL HOLE HORIZONTAL HOLE SERVICE WELL DRLG FINISHED 01/03/2017 If directional or horizontal, see reverse for bottom hole location. DATE OF WELL COUNTY Woods SEC 03 TWP 26N RGE 16W 02/04/2017 COMPLETION LEASE WELL 1H-03 C NAME Loretta 2616 1st PROD DATE 02/05/2017 F OF 2430E 1/4 SEC 245N NW 1/4 NW 1/4 NW 1/4 NE 1/4 RECOMP DATE ELEVATIO Longitude (if known) -98.907308040 **Ground 1653** Latitude (if known) 36.768040223N N Demick OPERATOR Midstates Petroleum Company LLC OTC/OCC OPERATOR NO. 23079 ADDRESS 321 South Boston, Suite 1000 CITY Tulsa STATE OK ZIP 74103 LOCATE WELL COMPLETION TYPE CASING & CEMENT (Form 1002C must be attached) SINGLE ZONE SIZE WEIGHT | GRADE FEET PSI TOP OF CMT SAX MULTIPLE ZONE CONDUCTOR Application Date COMMINGLED SURFACE -Application Date EXCEPTION ORDER 660775 INTERMEDIATE 9-5/8 36# J-55 1.246' surface 685 INCREASED DENSITY N/A PRODUCTION 26# P-110 6.542 3,300' ORDER NO. 380 LINER 4.5 P-110 6,162 11,529' SAU545 11.6# 3.545' TOTAL BRAND & TYPE PACKER @_ 11,529 TYPE PLUG @ TYPE BRAND & TYPE PACKER @ PLUG @ TYPE TYPF COMPLETION & TEST DATA BY PRODUCING FORMATION FORMATION Mississippi Lime SPACING & SPACING ORDER NUMBER
CLASS: Oil, Gas, Dry, Inj, 640/659922 Disp, Comm Disp, Svc Gas 6,562'-11,430' PERFORATED INTERVALS ACID/VOLUME 6246 bbls 15% gelled & ret acid 830 bbls 15% HCI 100,184 bbls slk wtr FRACTURE TREATMENT (Fluids/Prop Amounts) 186,000# rock salt Min Gas Allowable (165:10-17-7) Gas Purchaser/Measurer SemGas OR 02/08/2017 **INITIAL TEST DATA** Oil Allowable (165:10-13-3) INITIAL TEST DATE 03/06/2017 OIL-BBL/DAY 217 OIL-GRAVITY (API) 29 GAS-MCF/DAY 1,158 GAS-OIL RATIO CU FT/BBL 5,336 WATER-BBI /DAY 4,459 PUMPING OR FLOWING Pumping INITIAL SHUT-IN PRESSURE 152 CHOKE SIZE 64/64 FLOW TUBING PRESSURE nations drilled 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 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.

03/06/2017 918-947-4647 record of Chelce Rouse SIGNATURE NAME (PRINT OR TYPE) DATE PHONE NUMBER 321 South Boston, Suite 1000 Tulsa, OK 74103 chelce.rouse@midstatespetroleum.com ADDRESS CITY STATE ZIP EMAIL ADDRESS

SCANNED

JR.