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

Rule 165: 10-3-25

API No.: 35003232820000 **Completion Report** Spud Date: August 21, 2017

OTC Prod. Unit No.: 003-222475 Drilling Finished Date: September 08, 2017

1st Prod Date: October 29, 2017

Completion Date: October 28, 2017

Drill Type: HORIZONTAL HOLE

Location:

Min Gas Allowable: Yes

Well Name: LOIS 2412 1H-01 C Purchaser/Measurer: SEMGAS

ALFALFA 1 24N 12W First Sales Date: 11/05/2017

N2 N2 NW NW

225 FNL 660 FWL of 1/4 SEC

Latitude: 36.593429668 Longitude: -98.441798106 Derrick Elevation: 0 Ground Elevation: 1358

Operator: MIDSTATES PETROLEUM CO LLC 23079

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

	Completion Type					
Х	Single Zone					
	Multiple Zone					
	Commingled					

Location Exception
Order No
664805

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	1223		1480	SURFACE
PRODUCTION	7	26	P-110	7346		255	5966

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4.5	11.6	P-110	5724	0	620	6786	12510

Total Depth: 12510

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

January 02, 2018 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
Nov 13, 2017	MISSISSIPPIAN	93	34	418	4495	2024	PUMPING	735	64/64	81

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing Orders					
Order No	Unit Size				
661491	640				

Perforated Intervals				
From	То			
7385	12410			

Acid Volumes

4.954 BARRELS 15% GELLED AND RET ACID, 793 BARRELS 15% HCL

Fracture Treatments
104,279 BARRELS SLICK WATER, 157,719 POUNDS
ROCK SALT

Formation	Тор
ENDICOTT	4623
HASKELL	4923
TONKAWA	4981
AVANT	5303
HOGSHOOTER	5495
BIG LIME	5717
OSWEGO	5817
CHEROKEE	5871
MISSISSIPPI LIME	6131

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: 1 TWP: 24N RGE: 12W County: ALFALFA

SE SW SW SE

165 FSL 1989 FEL of 1/4 SEC

Depth of Deviation: 8089 Radius of Turn: 2121 Direction: 180 Total Length: 5164

Measured Total Depth: 12510 True Vertical Depth: 6333 End Pt. Location From Release, Unit or Property Line: 165

FOR COMMISSION USE ONLY

1138174

Status: Accepted

January 02, 2018 2 of 2

Form 1002A Rev. 2009

PLEASE TYPE OR USE BLACK INK ONLY 003 23282 NOTE: OKLAHOMA CORPORATION COMMISSION OTC PROD. 003 222475 NOV 1 7 2017 Oil & Gas Conservation Division Attach copy of original 1002A UNIT NO. Post Office Box 52000 if recompletion or reentry. Oklahoma City, Oklahoma 73152-2000 OKLAHOMA CORPORATION COMMISSION ✓ ORIGINAL Rule 165:10-3-25 AMENDED (Reason) **COMPLETION REPORT** TYPE OF DRILLING OPERATION 640 Acres SPUD DATE 08/21/2017 STRAIGHT HOLE DIRECTIONAL HOLE HORIZONTAL HOLE DRLG FINISHED 09/08/2017 SERVICE WELL If directional or horizontal, see reverse for bottom hole location. DATE OF WELL 10/28/2017 COUNTY Alfalfa SEC 01 TWP 24N RGE 12W WELL 1H-01 C LEASE Lois 2412 1st PROD DATE 10/29/2017 NAME 1/4 SEC 660 PSLOF ۱۸۸ 1/4 SEC 225N N2 ^{1/4} N2 1/4 NW 1/4 NW 1/4 RECOMP DATE ELEVATIO Longitude (if known) -98.441798106 Ground 1358 Latitude (if known) 36.593429668 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 TYPE SIZE WEIGHT GRADE FEET PSI SAX TOP OF CMT MULTIPLE ZONE CONDUCTOR Application Date COMMINGLED SURFACE Application Date INTERMEDIATE 664805 EXCEPTION ORDER 9-5/8 36# J-55 1,223' 1,480 surface INCREASED DENSITY PRODUCTION 7 26# P-110 7,346' 5,966 255 ORDER NO LINER 4.5 P-110 6,786' -620 11.6# 5,725 TOTAL PACKER @_ 12,510' BRAND & TYPE PLUG @ TYPE PLUG @ DEPTH PACKER @ BRAND & TYPE PLUG @ PLUG@ TYPE COMPLETION & TEST DATA BY PRODUCING FORMATION 359 FORMATION Mississippian SPACING & SPACING 640/661491 ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc 7,385'-12,410' PERFORATED **INTERVALS** ACID/VOLUME 4954 bbls 15% gelled & ret acid 793 bbls 15% HCI 104,279 bbls slk wtr FRACTURE TREATMENT (Fluids/Prop Amounts) 157,719# rock salt Min Gas Allowable (165:10-17-7) Gas Purchaser/Measurer SemGas First Sales Date 11/05/2017 **INITIAL TEST DATA** Oil Allowable (165:10-13-3) INITIAL TEST DATE 11/13/2017 OIL-BBI /DAY 93 OIL-GRAVITY (API) 34 GAS-MCF/DAY 418 GAS-OIL RATIO CU FT/BBL 4,495 WATER-BRI /DAY 2,024 PUMPING OR FLOWING Pumping

A record of the formations 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 to make this report, 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.

11/13/2017 918-947-4647

Chelce Rouse

CITY

321 South Boston, Suite 1000 Tulsa, OK 74103

735

81

ADDRESS

64/64

INITIAL SHUT-IN PRESSURE

FLOW TUBING PRESSURE

CHOKE SIZE

NAME (PRINT OR TYPE)

ZIP

STATE

DATE

PHONE NUMBER

chelce.rouse@midstatespetroleum.com

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 drillstem tested.

NAMES OF FORMATIONS	TOP
ENDICOTT HASKELL TONKAWA AVANT HOGSHOOTER BIG LIME OSWEGO CHEROKEE MISSISSIPPI LIME	4,623 4,923 4,981 5,303 5,495 5,717 5,817 5,871 6,131

LEASE NAME Lois 2412		WELL NO. <u>1H-01 C</u>
	FOR COMMISSION	N USE ONLY
TD on file YES	NO	
APPROVED DISAPPROVED	_ 2) Reject Code	es
	-	
Vere open hole logs run?	yes no	
Date Last log was run N/	<u> </u>	-
Vas CO ₂ encountered?	yes no at v	vhat depths?
Vas H ₂ S encountered?	yes no at v	vhat depths?
Vere unusual drilling circumstances enco f yes, briefly explain below	untered?	yesno

		640	Acres			
				,	,	
			H			١
			<u> </u>			
			\vdash			
-			-			

Other remarks:

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		

BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

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

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1

			12W	COUNTY Alfa	alfa		
Spot Location S25E	on s2 5W	1/4 S	1/4	1/4	Feet From 1/4 Sec Lines	FSL 165	FWL 1989E
Denth of	3,089		Radius of Turn 2	,121	Direction 180	Total Length 5,164	
Measured T	otal Depth		True Vertical Dep	oth	BHL From Lease, Unit, or Prop	erty Line:	
	12,510)'		6,333'		165	

LATERAL #2

SEC TWP	RGE		COUNTY				
Spot Location 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	
Measured Total Depth		True Vertical De	oth		BHL From Lease, Unit, or Pro		

LATERAL #3

SEC T	WP	RGE		COUNTY			
Spot Location		1/4	1/4	1/4	Feet From 1/4 Sec Lines	FSL	FWL
Depth of			Radius of Turn		Direction	Total	
Deviation						Length	
Measured Tot	al Depth		True Vertical De	pth	BHL From Lease, Unit, or Pr		