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

Rule 165: 10-3-25

API No.: 35003233040000 **Completion Report** Spud Date: March 31, 2018

OTC Prod. Unit No.: 003-223950 Drilling Finished Date: April 17, 2018

1st Prod Date: July 27, 2018

Completion Date: July 22, 2018

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: LOIS 2412 3H-01D Purchaser/Measurer: SEMGAS

Location: ALFALFA 1 24N 12W NE NW NW NW

First Sales Date: 08/03/2018

195 FNL 610 FWL of 1/4 SEC

Latitude: 36.593537138 Longitude: -98.44196688 Derrick Elevation: 0 Ground Elevation: 1356

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
678280

Increased Density
Order No
678805

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	48	J-55	366		315	SURFACE
INTERMEDIATE	9 5/8	36	J-55	1280		515	SURFACE
PRODUCTION	7	26	P-110	7897		645	5469

Liner								
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4.5	11.6	P-110	6304	0	670	6897	13201

Total Depth: 13201

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

September 25, 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
Aug 06, 2018	MISSISSIPPIAN	302	33	405	1341	2334	PUMPING	92	64/64	218

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	
8062	13103	

Acid Volumes

5,321 BARRELS 15% GELLED AND RET ACID, 776 BARRELS 15% HCL

Fracture Treatments

97,818 BARRELS SLICK WATER, 143,970 POUNDS ROCK SALT

Formation	Тор
ENDICOTT	4583
HASKELL	4919
TONKAWA	4959
AVANT	5280
COTTAGE GROVE	5339
HOGSHOOTER	5456
BIG LIME	5684
OSWEGO	5720
CHEROKEE	5843
MISSISSIPPI	6137

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

Explanation:

Were unusual drilling circumstances encountered? No

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 SE SE

165 FSL 674 FEL of 1/4 SEC

Depth of Deviation: 8220 Radius of Turn: 1792 Direction: 178 Total Length: 5304

Measured Total Depth: 13201 True Vertical Depth: 6321 End Pt. Location From Release, Unit or Property Line: 165

FOR COMMISSION USE ONLY

1140541

Status: Accepted

September 25, 2018 2 of 2

RECEIVED

Rev. 2009

PLEASE TYPE OR USE BLACK INK ONLY Form 1002A AUG 0 8 2018 003 23304 NOTE: OKLAHOMA CORPORATION COMMISSION OTC PROD. 003 223950 Oil & Gas Conservation Division Attach copy of original 1002A Post Office Box 52000 OKLAHOMA CORPORATION 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 03/31/2018 STRAIGHT HOLE DIRECTIONAL HOLE HORIZONTAL HOLE DRLG FINISHED 04/17/2018 SERVICE WELL ctional or horizontal, see reverse for bottom hole location. DATE OF WELL 07/22/2018 COMPLETION SEC 01 TWP 24N RGE 12W COUNTY Alfalfa WELL 3H-01 D LEASE Lois 2412 1st PROD DATE 07/27/2018 NAME 1/4 SEC 610 FA OF w 1/4 SEC 195N NE 1/4 NW 1/4 NW 1/4 NW 1/4 RECOMP DATE ELEVATIO Longitude (if known) -98.441966880 **Ground 1356** Latitude (if known) 36.593537138 N Demick OPERATOR Midstates Petroleum Company LLC OPERATOR NO. 23079 NAME 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 FFFT PSI SAX TOP OF CMT MULTIPLÉ ZONE CONDUCTOR Application Date COMMINGLED SURFACE 13-3/8 48# surface 315 J-55 366 Application Date INTERMEDIATE 678280 EXCEPTION ORDER 9-5/8 36# J-55 1,280' 515 surface INCREASED DENSITY 678805 PRODUCTION 7 7,897 26# P-110 5,469 ORDER NO. 645 LINER 4.5 P-110 6,897 13,201' 670 11.6# 6,879 TOTAL 13,201 PACKER @ BRAND & TYPE PLUG @ TYPE PLUG @ TYPE DEPTH PACKER @_ BRAND & TYPE PLUG @ TYPE PLUG @ TYPE COMPLETION & TEST DATA BY PRODUCING FORMATION -359 Mississippian SPACING & SPACING No Spacing ORDER NUMBER CLASS: Oil, Gas, Dry, Inj. Disp, Comm Disp, Svc 8,062'-13,103' PERFORATED INTERVALS ACID/VOLUME 5,321 bbls 15% gelled & ret acid 776 bbls 15% HCI 97,818 bbls slk wtr FRACTURE TREATMENT (Fluids/Prop Amounts) 143,970# rock salt Min Gas Allowable (165:10-17-7) Gas Purchaser/Measure SemGas OR First Sales Date 08/03/2018 **INITIAL TEST DATA** Oil Allowable (165:10-13-3) INITIAL TEST DATE 08/06/2018 OIL-BBL/DAY 302 OIL-GRAVITY (API) 33 GAS-MCF/DAY 405 GAS-OIL RATIO CU FT/BBL 1,341 WATER-BBL/DAY 2,334 PUMPING OR FLOWING Pumping INITIAL SHUT-IN PRESSURE 92 CHOKE SIZE 64/64 FLOW TUBING PRESSURE 218 d of the formations dilled 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 this report, which was prepared by the 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.

07/13/2018 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

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 drillstem tested.

NAMES OF FORMATIONS	TOP
ENDICOTT HASKELL TONKAWA AVANT COTTAGE GROVE HOGSHOOTER BIG LIME OSWEGO CHEROKEE MISSISSIPPI	4,583 4,919 4,959 5,280 5,339 5,456 5,684 5,720 5,843 6,137
Other remarks:	-

LEASE NAME	Lois 2412			WELL NO. 3H-01 D
		FOI	R COMMIS	SION USE ONLY
ITD on file	YES	NO		
APPROVED	DISAPPR	OVED	2) Reject	Codes
Were open hole	logs run?	yes	no	
Date Last log wa	s run	N/A		
Was CO ₂ encou	ntered?	yes	no	at what depths?
Was H₂S encour	tered?	yes	no	at what depths?
Were unusual dri If yes, briefly exp		ces encountere	d?	yes v no

	640	Acres		
			4	

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		
		_				
Γ						

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	pth	True Vertical De	pth	BHL From Lease, Unit, or Pi	roperty Line:	

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

LATERAL #1				
L- I	12W COUNTY Alfa	ılfa	145	174FE
Spot Location SZ GV 1/4 SZ SW 1/4	SE _{1/4} SE _{1/4}	Feet From 1/4 Sec Lines	FSL 2751	FWI 1980
Depth of Deviation 8,220'	Radius of Turn 1,792	Direction 178.26	Total Length 5,304'	
Measured Total Depth	True Vertical Depth	BHL From Lease, Unit, or Proper	ty Line:	
13,201'	6,321'		25165	

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	T		Radius of Turn	1/4	Direction	Total	
Deviation	n					Length	
Measure	ed Total Depth		True Vertical De	oth	BHL From Lease, Unit, or Pr	operty Line:	·

SEC	TWP	RGE	COUNTY	,			
Spot Loc	ation 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 Depth				BHL From Lease, Unit, or Pro	operty Line:		