Oklahoma Corporation Commission Oil & Gas Conservation Division Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000 Rule 165: 10-3-25

API No.: 35003233020000

Drill Type:

OTC Prod. Unit No.: 003-223951

Well Name: LOIS 2412 2H-02 B

Completion Report

Drilling Finished Date: March 31, 2018 1st Prod Date: July 27, 2018 Completion Date: July 20, 2018

Spud Date: March 13, 2018

Min Gas Allowable: Yes

Purchaser/Measurer: SEMGAS

First Sales Date: 07/27/2018

Location: ALFALFA 1 24N 12W

HORIZONTAL HOLE

NE NW NW NW 210 FNL 610 FWL of 1/4 SEC Derrick Elevation: 0 Ground Elevation: 1356

MIDSTATES PETROLEUM CO LLC 23079 Operator:

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

	Completion Type	Location Exception	Increased Density
Х	Single Zone	Order No	Order No
	Multiple Zone	674561	675634
	Commingled		

			(Casing and Ce	ment				
1	уре	Si	ze Weight	t Grade	Fe	et	PSI	SAX	Top of CMT
SURFACE		13	3/8 48	J-55	3	67		315	SURFACE
INTER	MEDIATE	9 5	5/8 36	J-55	12	279		515	SURFACE
PRO	DUCTION	7	26	P-110	78	312		645	3612
				Liner					
Туре	Size	Weight	Grade	Length	PSI	SAX	Тор	Depth	Bottom Dept
LINER	4.5	11.6	P-110	6321	0	670		6840	13161

Total Depth: 13161

Pac	ker	PI	ug
Depth	Brand & Type	Depth	Plug Type
There are no Packe	r records to display.	There are no Plug	records to display.

Initial Test Data

Test Date	Format	ion	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 03, 2018	MISSISSI	PPIAN	197		33	1324	6721	2040	PUMPING	249	64/64	241
			Co	omple	ion and	Test Data	a by Producing F	ormation				
	Formation N	ame: MISSI	SSIPPIAN			Code: 3	359MSSP	С	lass: OIL			
	Spacing	Orders					Perforated I	ntervals				
Orde	r No	U	nit Size		F		rom To					
667352 640			1	79	88	13	063					
	Acid Vo	olumes]	Fracture Treatments						
1,077 BARRELS 15% GELLED AND RET ACID, 413				38	3,779 BARRELS	SLICK WATE	ĒR	_				
	BARRELS	15% HCL										
Formation				Тор			Were open hole	logs run? No				
ENDICOTT						4596 Date last log run:						
HASKELL					4946 Were unusual drilling circumstances encountered? No							
TONKAWA						4979	Explanation:	g en earrie				
AVANT						5311						
COTTAGE GR	OVE					5360						
HOGSHOOTE	R					5498						
BIG LIME						5722						
OSWEGO						5756						
CHEROKEE						5879						
MISSISSIPPI						6148						
Other Remark	s											
OCC - THIS DO	DCUMENT IS A	CCEPTED	BASED ON	THE	DATA S	UBMITTEI	D THE FINAL LO		CEPTION HA	S NOT BEEN)

Lateral Holes

Sec: 2 TWP: 24N RGE: 12W County: ALFALFA

SE SW SE SW

162 FSL 1974 FWL of 1/4 SEC

Depth of Deviation: 8235 Radius of Turn: 1769 Direction: 182 Total Length: 5348

Measured Total Depth: 13161 True Vertical Depth: 6318 End Pt. Location From Release, Unit or Property Line: 162

FOR COMMISSION USE ONLY

Status: Accepted

1140533

									RE	CIEI		D
API NO: 003 23302	PLEASE TYPE OF	USE BLAC			OKLAHOMA C	ORPORAT	ION COMMISS	ION		UG 06		Sorm Re
OTC PROD. UNIT NO. 003 223951	Attach copy	-				s Conserva t Office Box	tion Division 52000					
ORIGINAL AMENDED (Reason)	if recomple	tion or ree	ntry.			Rule 165:10) (OKLAHO C	MA COF OMMISS	RPORATH SION	ON
TYPE OF DRILLING OPERAT				-						640 Acr	es	
STRAIGHT HOLE	DIRECTIONAL HOLE	HOR	IZONTAL HOLE			3/13/20	018	[•			
It directional or horizontal, see	· · · · · · · · · · · · · · · · · · ·		···	DA	LG FINISHED)3/31/2	018					<u>+</u>
	SEC 01	TWP 24N		co								
NAME LOIS 2412			WELL 2H-0	2 B ^{1st}	PROD DATE (7/27/20	018					
NE 1/4 NW 1/4 NW	1/4 NW 1/4 1/4 SE	c210N	FWL OF 1/4 SEC 610		COMP DATE			w				 =
		e (if known)		(if k	ngitude (nown)			ŀ	, ,			
OPERATOR Midstates	Petroleum Compa	ny LLC		OTC/OC OPERAT	C OR NO. 230	79		ŀ				
ADDRESS 321 South E								-				· · ·
CITY Tulsa			STATE OK		ZIP 7	4103		L				
COMPLETION TYPE		CAS	ING & CEMEN	T (Form	1002C must b	e attached	' ₽					
SINGLE ZONE		\downarrow	TYPE	SIZE	WEIGHT	GRADE	FE	ЕТ	PS	I SAX	TOP OF	СМТ
Application Date			DUCTOR		_							
Application Date	<u> 10.</u>			13-3/8		J-55	367			315	surface	
INODE AOED DEMOITS	561 1.0.			9-5/8		J-55	1,279'			515	surface	<u>}</u>
ORDER NO. 675				7	26#	+	7,812'	12.4	611	645	3,612	
				4.5	11.6#	P-110		13,1	01	670 TOTAL	8,961'	
PACKER @BRA PACKER @BRA		PLUC PLUC	·	דייה דייה		-	TYF			DEPTH	13,161'	
COMPLETION & TEST DAT									_			t
FORMATION	Mississippian									4	Report	ed
ORDER NUMBER CLASS: Oil, Gas, Dry, Inj,	640/667352									1	to Fra	cheus
Disp, Comm Disp, Svc	Oil		- <u>-</u>									
PERFORATED	7,988'-13,063'											<u>. </u>
INTERVALS												
ACID/VOLUME	1077 bbls 15% gollod 8 r	t poid 440							<u> </u>			
	1077 bbls 15% gelled & r	1 200 213	DDIS 15% H									_
FRACTURE TREATMENT	38,779 bbls slk wtr							+				
(Fluids/Prop Amounts)	<u></u>											
L	Min Ga	s Allowable	(165:	10-17-7)		Gas F	urchaser/Mea	surer	s	emGas		
AUTIAL TEOT DATA	×	OR					Sales Date			7/27/2018		
INITIAL TEST DATA	0ii Alio 08/03/2018	wable	(165:10-13-3)									
OIL-BBL/DAY	197											
OIL-GRAVITY (API)	33				IIII							
GAS-MCF/DAY	1,324								<u> </u>			
GAS-OIL RATIO CU FT/BBL				10	SU				 			
WATER-BBL/DAY	6,721		— L	10	JU	D IYI		2				
PUMPING OR FLOWING	2,040		— ПП	ITT	11111							
INITIAL SHUT-IN PRESSURE	Pumping			••••		11111	[]	Ш	ITI	·		
CHOKE SIZE	249						-					
	64/64											
FLOW TUBING PRESSURE	241											
A record of the formations and to make this report, which was	prepared by me or under n	ny supervisior	resented on the in and direction, will loce Rouse	with the dat	ta and facts stat	ed herein to	dge of the conte be true, correc	ct, and o	his report and complete to the 03/21/2018	best of my k	d by my organiz nowledge and t 18-947-464	belief.
321 South Boston		lsa OK		NAME (PF	RINT OR TYPE	.)	chelce.rou:	se@n	DATE nidstatespe		PHONE NUMB	BER
ADDR				STATE	ZIP			wi	EMAIL AD			
									·····			

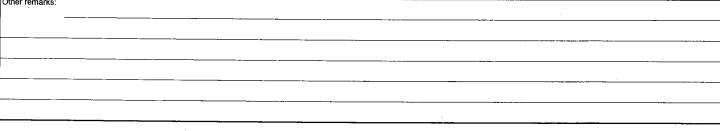
PLEASE TYPE OR USE BLACK INK ONLY FORMATION RECORD

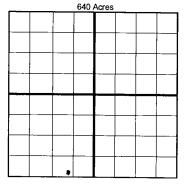
Give formation names and tops, if available, or descriptions and thickness of formations drilled through. Show intervals cored or drillstem tested.

NAMES OF FORMATIONS	ТОР
ENDICOTT	4,596
HASKELL	4,946
TONKAWA	4,979
AVANT	5,311
COTTAGE GROVE	5,360
HOGSHOOTER	5,498
BIGLIME	5,722
OSWEGO	5,756
CHEROKEE	5,879
MISSISSIPPI	6,148

LEASE NAME Lois 2412	WELL NO. 2H-02 B
Fr	
ITD on file YES NC	2) Reject Codes
Were open hole logs run?	
Date Last log was run N/A Was CO ₂ encountered? yes	no at what depths?
Was H ₂ S encountered? yes Were unusual drilling circumstances encounter If yes, briefly explain below	

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

 	040	Acres		
			!	

BOTTOM HOLE LOCATION FOR DIRECTIONAL HOLE

SEC	TWP	RGE	COUN	TY		
Spot Loc				Feet From 1/4 Sec Line	s FSL	FWL
Measured	1/4 d Total Depth	1/4 True	1/4 Vertical Depth	BHL From Lease, Unit,		

BOTTOM HOLE LOCATION FOR HORIZONTAL HOLE: (LATERALS)

	^{RGE} 12W		falfa	162	ATU
Spot Location	_{1/4} SE	_{1/4} SW 1	/4 Feet From 1/4 Sec Lines	FSL 275N	FWL 1980
Depth of 8,235 Deviation 8,235	Radius of	^{Turn} 1,769	Direction 181-69 182	Total Length 5,348	
Measured Total Depth	True Verti	cal Depth	BHL From Lease, Unit, or Pro		
13,161	P	6,318'		27516	2

SEC	TWP	RGE	COUN	ΤY			
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	I
Measure	d Total Depth		True Vertical Depth		BHL From Lease, Unit, or Pro		

LATERAL #3 SEC TWP RGE COUNTY Spot Location 1/4 Feet From 1/4 Sec Lines FSL FWL 1/4 1/4 1/4 Depth of Radius of Turn Direction Total Deviation Measured Total Depth Length True Vertical Depth BHL From Lease, Unit, or Property Line: