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

Rule 165: 10-3-25

API No.: 35003232830000 **Completion Report** Spud Date: August 09, 2017

OTC Prod. Unit No.: 003-222379 Drilling Finished Date: August 24, 2017

1st Prod Date: October 10, 2017

Completion Date: October 09, 2017

Drill Type: HORIZONTAL HOLE

Min Gas Allowable: Yes

Well Name: BRUNER 2412 2H-04 B Purchaser/Measurer: SEMGAS

Location: ALFALFA 4 24N 12W First Sales Date: 10/16/2017

SW SE SW SE 255 FSL 1950 FEL of 1/4 SEC

Latitude: 36.579684598 Longitude: -98.486582976 Derrick Elevation: 0 Ground Elevation: 1330

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
670071

Increased Density					
Order No					
667109					

Casing and Cement							
Туре	Size	Weight	Grade	Feet	PSI	SAX	Top of CMT
SURFACE	13 3/8	54.5	J-55	492		580	SURFACE
INTERMEDIATE	9 5/8	36	J-55	1284		490	SURFACE
PRODUCTION	7	26	P-110	7238		495	4119

				Liner				
Туре	Size	Weight	Grade	Length	PSI	SAX	Top Depth	Bottom Depth
LINER	4.5	11.6	P-110	5445	0	560	6934	12379

Total Depth: 12379

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

November 30, 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
Oct 19, 2017	MISSISSIPPIAN	188	31	295	1569	3564	PUMPING	71	64/64	136

Completion and Test Data by Producing Formation

Formation Name: MISSISSIPPIAN

Code: 359MSSP

Class: OIL

Spacing Orders					
Order No	Unit Size				
661590	640				

Perforated Intervals				
From To				
7278	12278			

Acid Volumes

5,020 BARRELS 15% GELLED AND RET ACID, 785 BARRELS 15% HCL

Fracture Treatments					
103,607 BARRELS SLICK WATER, 171,358 POUNDS					
ROCK SALT					

Formation	Тор
ENDICOTT	4610
HASKELL	4981
TONKAWA	5036
AVANT	5313
COTTAGE GROVE	5370
HOGSHOOTER	5500
BIG LIME	5728
OSWEGO	5780
CHEROKEE	5881
MISSISSIPPI LIME	6186

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

NW NE NE NW

165 FNL 1982 FWL of 1/4 SEC

Depth of Deviation: 7468 Radius of Turn: 1567 Direction: 1 Total Length: 5141

Measured Total Depth: 12379 True Vertical Depth: 6202 End Pt. Location From Release, Unit or Property Line: 165

FOR COMMISSION USE ONLY

1138015

Status: Accepted

November 30, 2017 2 of 2

Macialland

Form 1002A Rev. 2009

	PLEASE TYPE OR U		CK INK ONLY		01/	I ALIONA C	ODDOD	ATION COM	MICCION				0.00	47	
OTC PROD. 003 222379 OTC PROD. 003 222379 Attach copy of original 1002A					OKLAHOMA CORPORATION COMMISSION Oil & Gas Conservation Division Post Office Box 52000					OCT 2 3 2017					
if recompletion or reentry.						Post Office Box 52000 Oklahoma City, Oklahoma 73152-2000 Rule 165:10-3-25					OKLAHOMA CORPORATION				
AMENDED (Reason)						COMP	PLETIO	N REPORT	_			J 141141	100.0	•	
	TION DIRECTIONAL HOLE	✓ HC	RIZONTAL HOLE		SPUD	DATE 08	3/09/	2017				640 /	Acres	ТТ	_
SERVICE WELL f directional or horizontal, se	e reverse for bottom hole locati	on.			DRLG DATE	FINISHED ()8/24	/2017		\vdash					_
COUNTY Alfalfa	SEC 04	TWP 24	N RGE 12W		DATE COMF	OF WELL 1	0/09/	2017		\vdash		\vdash		+++	-
LEASE Bruner 2412	2		WELL 2H-04	4 B	1st PR	OD DATE 1	0/10/	2017							
SW 1/4 SE 1/4 SW	1/4 SE 1/4 FSL OF 1/4 SEC	255	FX OF 195	0E	RECO	MP DATE			7 v	/				+++	_
			36.5796845				8658	2976		-		\vdash			
DPERATOR Midstates	Petroleum Compan	y LLC		OTO	1000	R NO. 2307			1	\vdash		\vdash			
	Boston, Suite 1000			101 L	IVATOI	(110.			1	\vdash				4-4	_
CITY Tulsa	· · · · · · · · · · · · · · · · · · ·		STATE OK			ZIP 7	4103		1			0047	E WELL		_
COMPLETION TYPE		CA	SING & CEMEN	T (Fo	rm 100			ed)	_			LOCAT	E WELL		
✓ SINGLE ZONE			TYPE	S	IZE	WEIGHT	GRAI	DE	FEET		PSI	S	AX T	OP OF CM	νIT
MULTIPLE ZONE Application Date		co	NDUCTOR	1											
COMMINGLED Application Date		SU	RFACE	13	3-3/8	54.5#	J-55	492'				580	s	urface	
INCREASED DENSITY	7110670071	, L	ERMEDIATE	-	-5/8	36#	J-55					490		urface	_
ORDER NO. 66	7109	-	ODUCTION	-	7	26#		7,238		0701		495		1,119'	
		LIN	ER	4	.5	11.6#	P-11	0 6,934	12,	379'	56	TOTAL	_	3,933' .379'	_
PACKER @BR	AND & TYPEAND & TYPEAND & TYPEAND & TYPEAND & TYPEAND WITH THE TYPE TO AND THE TYPE TYPE TO AND THE TYPE TYPE TYPE TYPE TYPE TYPE TYPE TYP	PLI	us @ us @ 359 M S S		TYPE							DEPTH			
FORMATION	Mississippian												Rep	oste	d
SPACING & SPACING ORDER NUMBER	640/661590												to F	ruck	0
CLASS: Oil, Gas, Dry, Inj, Disp, Comm Disp, Svc	Oil														
PERFORATED	7,278'-12,278'			-											
NTERVALS															_
ACID/VOLUME							+			-					_
	5020 bbls 15% gelled & ret	acid 78	5 bbls 15% H	CI											
FRACTURE TREATMENT (Fluids/Prop Amounts)	103,607 bbls slk wtr														
	171,358# rock salt														
	Min Gas		e (165:	10-17	-7)			s Purchase			-	nGas			_
NITIAL TEST DATA	Oil Allow	OR able	(165:10-13-3)				Fi	st Sales Da	te		10/	16/20	17		_
NITIAL TEST DATE	10/19/2017														
DIL-BBL/DAY	188														_
		\neg								,,,,,	//-		1		_
	31				1111	//////	////		/////	/////	///				_
OIL-GRAVITY (API)	31 295		1	///			111		11111	distribution in con-		- 1			_
OIL-GRAVITY (API) GAS-MCF/DAY											1				
OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL	295					; S		RM	П	EI					_
DIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY	295 1,569	0			A.	3 S	U	BM	Ш	El					_
DIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING	295 1,569 3,564 Pumping	2			A	3 S	U	BM		EL					
OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING INITIAL SHUT-IN PRESSUR	295 1,569 3,564 Pumping	2			A:	S S	U	BM		EL					
OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING INITIAL SHUT-IN PRESSUR CHOKE SIZE	295 1,569 3,564 Pumping	2			A: 	S S	U	BM		EL					
OIL-GRAVITY (API) GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING INITIAL SHUT-IN PRESSUR CHOKE SIZE FLOW TUBING PRESSURE	295 1,569 3,564 Pumping = 71 64/64	supervis	presented on the rion and direction, whelce Rouse	revers	A.	S S	U.	BM	e contents o	EU f this repo	ort and ame to the b	n author	ized by my y knowlec 918-94	ge and be	elie
GAS-MCF/DAY GAS-OIL RATIO CU FT/BBL WATER-BBL/DAY PUMPING OR FLOWING NITIAL SHUT-IN PRESSUR CHOKE SIZE FLOW TUBING PRESSURE A record of the formations of to make this report, will be like.	295 1,569 3,564 Pumping 71 64/64 136 filled through, and pertinent ren	supervis <u>C</u> h	ion and direction, was relice Rouse	revers vith th	se. I de	S S	ave know	Wedge of the n to be true,	e contents o	f this reput d complete 10/18.	ort and ame to the b /2017 DATE	est of m	918-94 PHONI	ge and be	elie

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 LIME	4,610 4,981 5,036 5,313 5,370 5,500 5,728 5,780 5,881 6,186

SEC Spot Location

Depth of

1/4

Deviation Measured Total Depth

1/4

Radius of Turn

True Vertical Depth

tions and t d.	hickness of format	ions	LEASE N	NAME Brune	2412		WELL N	o. <u>2H-04 B</u>
	ТОР				FOR	R COMMIS	SION USE ONLY	
	4,610		ITD on fi	le YE	s No			
	4,981		APPRO\		SAPPROVED			
	5,036		AFFRO		SAFFROVED	2) Reject (Codes	
	5,313							
	5,370							
	5,500							
	5,728							
	5,780							
	5,881							
	6,186							
	0,100					1		
			Were op	en hole logs run?	yes	no		
			Date Las	t log was run	r N/A			
			Was CO ₂	encountered?	yes	no	at what depths?	
			Was H₂S	encountered?	yes	no	at what depths?	
					ımstances encountered	d?	yes	no
			If yes, bri	efly explain below	V			-
							3	
					<u> </u>			
воттом	HOLE LOCATION	FOR D	IRECTIONAL H	OLE				
SEC	TWP	RGE		COUNTY				
Spot Loca	ition				E . E			T
	1/4 Total Depth	1/4	1/4 True Vertical De		Feet From 1/4 Sec Li BHL From Lease, Uni		FSL	FWL
Measureu	Total Deptil		True vertical Di	epui	BHL FIORI Lease, On	it, of Proper	rty Line.	
				-				
воттом	HOLE LOCATION	I FOR H	ORIZONTAL HO	LE: (LATERALS	5)		.0 1	
SEC.	. #1 TWP	IRGE	***************************************	COUNTY			Yer Su	Ney
SEC 04	TWP 24N		12W	Alfa	ılfa		165FN	1982
Spot Local	1/4 NENE	1/4	NE 1/4	NW _{1/4}	Feet From 1/4 Sec Lii	nes	58L 164N	FWL 1980
Depth of Deviation	7,468		Radius of Turn	1,567	Direction 1.4		Total Length 5,141'	
	Total Depth	701	True Vertical De	•	BHL From Lease, Uni	t, or Proper	ty Line:	
	12,3	79' 		6,202'			164 16	>
LATERAL	. #2							
SEC	TWP	RGE	7	COUNTY				
Spot Loca	tion 1/4	1/4	414	1/4	Feet From 1/4 Sec Lir	nes	FSL	FWL
Depth of	1/4	1/4	1/4 Radius of Turn	1/4	Direction		Total	1
Deviation Measured	Total Depth		True Vertical De	epth	BHL From Lease, Uni		Length tv Line:	
			1 2. dod DC			., горы	,	
					<u> </u>			
LATERAL SEC	TWP	RGE		COUNTY				

Feet From 1/4 Sec Lines

BHL From Lease, Unit, or Property Line:

Direction

FSL

Total

Length

FWL

640 Acres

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												
						1						
							-					