KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

BARBER NE SW NW 10 33\$ 11W Reservoir MEDICINE LODGE-BOGGS MISSISSIPPIAN ATLAS Completion Date Plug Back Total Depth Packer Set at NONE Casing Size Weight Internal Diameter Set at Perforations To NONE Tubing Size Weight Internal Diameter Set at Perforations To NONE Tubing Size Weight Internal Diameter Set at Perforations To NONE Tubing Size Weight Internal Diameter Set at Perforations To NONE Tubing Size Weight Internal Diameter Set at Perforations To NONE Type Completion (Describe) Type Fluid Production Fluid Production Fluing Plunger? Yes / No Flower Fluing Production Fluing Plunger? Yes / No Flower Fluing Plunger? Yes / No Fluing Plun	Type Test:				('See Instruc	tions on Re	verse Side))					
11-2 THRU 11-3, 2015	Open Fl	ow			Toot Date				ADI	No. 15				
HERMÁN L. LOEB, LLC	Delivera	bilty					3, 2015				-00-00	0		
BARBER NE SW NW 10 33S 11W		. LO	EB, LLC					DRN					Well Nu	mber
MISSISPIPAN ATLAS														
Residence of the control of the Company states that he is duly authorized to make the above report and that he has knowledge at the facts stated therein, and that said report is true and correct. Executing this has been with a control of the Company, states that he is duly authorized to make the above report and that he has knowledge a tho facts stated desired, and that said report is true and correct. Executing this tasted duly of NOVEMBER.		LOD	GE-BOG	 38			1				ection	_ _ -		
Tubing Size Weight Internal Diameter Set at Perforations NONE Type Completion (Describe) Type Fluid Production Type Fluid Productio	•	ate				k Total Dep	th			iet at	<u>.</u>			
Type Completion (Describe) Type Type Type Type Type Type Type Type											• •			
SINGLE GAS, WATER FLOWING Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G _q (Meter Run) (Proven) S (AM) (PM) Taken 1-3 20 31 31:00 AM (AM) (PM) Taken 20 31 31:00 AM (AM) (PM) Taken 20 31 32:015 31:00 AM (AM) (PM) Taken 20 31 32:015 31:00 AM (AM) (PM) Taken 20 31 32:015 31:00 AM (AM) (PM) Taken 20 32:015 34:01:00 AM (AM) (PM) Taken 20 34:01:00 AM (AM) (PM) Taken 20:00 AT (AM) (P			Weig	ht	internal [Diameter	Set a	at	Perfo	rations	••	To		
Pressure Buildup: Shut in 11-2 20 15 at 10:30 AM (AM) (PM) Taken 11-3 20 15 at 11:00 AM (AM) (PM) Taken 20 at (AM) (PM) (PM) (PM) Taken 20 at (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P		on (D	escribe)	<u></u>			n				Plunge	er? Yes	/ No	
Pressure Buildup: Shut in 11-2 20 15 at 10:30 AM (AM) (PM) Taken 11-3 20 15 at 11:00 AM (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P		u (An	nulus / Tubin	g)			ide		% Nitrog	en		Gas Gi	avity - 0	ì _g
Well on Line: Started		(H)		<u></u> .		Pres	ssure Taps			<u>-</u> -		(Meter	Run) (P	rover) Size
Static Orifice Dynamic Size Pressure Pressure Prover Pressure Prover Pressure Inches Pressure Pressure Pressure Prover Pressure Pressure Pressure Pressure Pressure Pressure Prover Pressure Pressure Pressure Pressure Pressure Prover Pressure Pressu	Pressure Build	lup:	Shut in 11-	2 20	15 at 10	0:30 AM	(AM) (PM)	Taken_11	-3	20	15 at	11:00	AM (AM) (PM)
Static / Dynamic Orifice Orifi	Well on Line:													,, ,
State of Dynamic Size (Inches) Property (I						OBSERVE	D SURFAC	 E Data			Duratio	on of Shut-	in 24	Hours
Property Inches paig (Pm) Inches H ₂ 0 1 1 1 1 1 1 1 1 1			Meter	Differential	•		Wellhead	Pressure	Wellhe	ad Pressure	l			
FLOW STREAM ATTRIBUTES Plate Coefficient Meter or Prover Pressure Extension Factor Fact	Property (inc	hes)	i		t	t	psig			 _	<u> </u>		ļ	sarreis)
FLOW STREAM ATTRIBUTES Plate Coefficient (F _b) (F _p) Prover Pressure psia P _m xh F _g F _g P _m xh F _g P _m xh F _g P _m P _m xh F _g P _m P _m xh P _m P _m xh P _m			<u> </u>			<u> </u>	10		-	-	24		<u> </u>	
Coefficient (F _p) (F _p) (F _p) (P _p			<u> </u>			FLOW STR	REAM ATTR	IBUTES	<u> </u>	<u> </u>				
Coefficient (F _p) (F _p) Prover Pressure psia (P _e) Temperature psia (P _e) (Plate	\Box	Circle one:	Prace			Flowing	1_						Flowing
(P _c) ² = : (P _w) ² = : P _y =	Coefficient (F _b) (F _p)				1		Temperature				٧		Feet/ Fluid	
(P _c)² =; (P _w)² =; P _d =% (P _c -14.4) + 14.4 =; (P _d)² = (P _c)² - (P _w)² P _c ² - P _c ² Deliverability P _c ² - P _w ² P _c ² - P _w ² Deliverability P _c ² - P _w ² P _c				√ P _m xh								•	-	Gravity
(P _c) ² =; (P _w)	- Micia	-			 		11			<u> </u>				
(P _c)² =; (P _w)² =; P _d =% (P _c -14.4) + 14.4 =; (P _d)² = (P _c)² - (P _a)² (P _c)² - (P _w)² (P _c)² - (P _w)² (P _c)² - P _a ² (P _c)² (P _c)² - P _a ² (P _c)² (P _c		<u> </u>		<u>. </u>	(OPEN FLO	OW) (DELIV	ERABILITY	CALCUL	ATIONS			(P.)		L <u></u> 07
(P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - (P _a) ² (P _c) ² - P _c ² (Notide) Deliverability Antilog Antilog Open Flow Antilog Open Flow Slope = "n" Assigned Standard Slope Open Flow Slope = "n" Assigned Standard Slope Open Flow Open Flow Antilog Open Flow Open Flow Antilog Open Flow Deliverability Antilog Open Flow Open Flow Antilog Open Flow Open Flow Open Flow Open Flow Antilog Open Flow Open Flow Open Flow Open Flow Antilog Open Flow Open Flow Open Flow Open Flow Antilog November Open Flow	(P _c) ² =	<u>_:</u>	(P _w) ² =		P _u =		% <u>(</u> F	_c - 14.4) +	14.4 =	:				<u> </u>
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 13TH day of NOVEMBER , 20 15		(F	P _c) ² -(P _w) ²	1. $P_c^2 - P_a^2$	formula		Slop	oe = "n"	l n x i	oe Do.	A	ntilog	Deli	verability
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 13TH day of NOVEMBER , 20	(P _c) ² - (P _d) ²				and divide	P _c ² - P _y ²			_				1 '	- 1
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the facts stated therein, and that said report is true and correct. Executed this the 13TH day of NOVEMBER , 20 15								-			_			
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Witness (il any) NOV 18 711111 For Company			Witness	(if any)					t-cinc	For	Company			
For Commission CONSERVATION DIVISION 11-18-2015			For Com	nission		CONSERVATI WICHI	ion Division Ta, ks	1/-/	8-2	20/5	cked by	_		
For Commission Checked by								11-1	8-9	Cho	chad by			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB, LLC and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the COLBORN #1
gas well on the grounds that said well:
is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No. is not capable of producing at a daily rate in excess of 250 mcf/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing. Date: 11-13-2015
Signature: Manual Received KANSAS CORPORATION COMMISSION Title: REP. HERMAN L. LOEB, LLC NOV 1 8 2015 CONSERVATION DIVISION WICHITA, KS

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.