KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t: en Flov	٧				·	•	uctions on Re	everse Side		l No. 15				
Deliverabilty						Test Date: 9-16 thru 9-17, 2013				API No. 15 15-007- 2005- -00-00					
Company HERMAN L. LOEB, LLC							Lease GRAVES				20,150			Well Number	
County Location BARBER C SW NW					Section 19			TWP RNG 34 S 13W		Z/W)		Acres	Attributed		
Field AETNA				Reservoi MISSIS	r SIPPIAN			Gas Gathering Connection ONEOK				-15.			
Completion Date 8-17-1970					•	Plug Bac 4767	k Total De	epth		Packer : NONE					
Casing S 5.500	ize		Weig 15.5			Internal Diameter 4.950		Set at 4767		Perforations 4692		To 4704			
Tubing Si 2.375	ize		Weig 4,70		Internal 0 1.995		Diameter Set at 4675		-	Perforations OPEN		То			
Type Con	npletion	(De					id Producti					Plunger? Yes	/ No		
SINGLE					GAS	GAS				PING					
Producing Thru (Annulus / Tubing) ANNULUS					% (% Carbon Dioxide				% Nitrogen Gas			G,		
Vertical D)			 		Pre	essure Taps				(Meter	Run) (P	rover) Size	
Pressure Well on L	•											13 at 3:00 F		(AM) (PM) (AM) (PM)	
							OBSERV	/ED SURFAC	E DATA			Duration of Shut-	in_24	Hours	
Static / Dynamic Property	Orifice Size (inches)		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatur t	(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _i) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In								80	psia	psig	psia	24			
Flow															
							FLOW ST	REAM ATTR	IBUTES						
Plate Coeffied (F _b) (F Mold	ient ,)	Circle one: Meter or Prover Pressure psia		Press Extension Pmxh	tension Fac		Tomosmin		iation ctor	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m		
						<u> </u>									
(P _c)² =		<u>.:</u>	(P_)2:	<u>-</u>	:	(OPEN FLO	OW) (DELI	IVERABILITY _% (F	') CALCUL P _e - 14.4) +		:	(P _a)	² = 0.2 ² =	207	
(P _c) ² - (P _a) ² or (P _c) ² - (P _g) ²		(P _c) ² - (P _m) ²		:	one formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ thed by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	bs. bs.	Slo	ssure Curve pe = "n" - or signed ard Slope	лх	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
											_				
Open Flor	W	Mcfd @ 14.6				65 psia		Deliverat	Deliverability		Mcfd @ 14.65 ps			sia	
								he is duly au			ne above repo SEPTEMBER	rt and that he ha		rledge of	
			Witness							llan	Late	A	RE	ECEIVED	
			For Com	nissk	on ,			-			Chec			0 2 2013	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB, LLC
	t the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
	reby request a one-year exemption from open flow testing for the GRAVES 1-19
jas wel	Il on the grounds that said well:
	(Check one)
	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
l fu	rther 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: <u>9</u>	-29-2013
	Signature: Alan Latel

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 catendar 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.

RECEIVED

KANSAS CORPORATION COMMISSION