RECEIVED

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:		ONE	Ро	INT ST		ED OPE See Instruc				IVEF	RABILIT	YTE	EST			
r	en Flow	/				Test Date	e:				API No	o. 15					
Deliverabilty												No. 15 097-21403 – 000					
ompany arson E		erin	g, Inc.					Lease Martin						#1-23	Well Nu	ımber	
County Location Kiowa NW NW SE					Section 23	ı	TWP 28S			RNG (E/W) 18W			Acres Attribute		Attributed		
Field Hardy					Reservoir Mississippi			Gas Gathering Co Oneok			ring Conn	ection					
Completion Date 3/29/1996							Plug Back Total Depti 4894 feet		h .		Packer Set at						
Casing Size 5.5"			Weight			Internal Diameter		Set at 4988			Perforations 4839			то 4844			
Tubing Size Weight 2.375"					Internal I	Set				Perforations			То				
Type Completion (Describe) single (gas)				ŧ	Type Fluid Production water			Pump Unit or Traveling Pl pumping unit				Plung					
roducing nnulus		(Anr	nulus / Tubing	1)		% C	Carbon Dioxi	ide		% N	itrogen			Gas Gr	avity - (Эg	
Vertical Depth(H)							,				(Meter Run) (Prover) Size						
Troods o Danaap. Orat iii				20 12 at 3:00 (Af			M) (PM) Taken 3/27			20			(AM) (PM)				
/ell on Li	ine:	,	Started 3/2	7	20	0 <u>12</u> at <u>3</u>	:00	(AM) (PM)) Taken _3	3/27		20	12 a	t		(AM) (PM)	
							OBSERVE	D SURFAC	E DATA		,		Duration	on of Shut-	in	Hour	
Static / lynamic roperty	amic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure ifferential in ches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		(F	Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia			uration Hours)		id Produced (Barrels)	
Shut-In			F3 ()		- 100 1 20			131.0	psia 145.6	, p:	sig	psia					
Flow	····																
						<u> </u>	FLOW STF		RIBUTES			***************************************				T	
Plate Coeffieci (F _b) (F _p Mcfd	ent	Circle one: Meter or Prover Pressure psia		E.	Press xtension P _m xh	Gravity Factor F _g		emperature Fac		eviation Factor F _{pv}	ctor R		w GOR (Cubic Fe Barrel)			Flowing Fluid Gravity G _{in}	
						(OPEN FL	OW) (DELIV	ERABILITY	/) CALCU	ILATIO	vs.			(P.)	² = 0.2	07	
)² =		:	(P _w) ² =		<u> </u>	P _d =		% (P _c - 14.4)	+ 14.4	<u></u>			(P _d)			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1		1. ¹	se formula 1 or 2: $P_c^2 - P_a^2$ LOG of formula $P_c^2 - P_d^2$ formula 1. $P_c^2 - P_d^2$ and divi- and by: $P_c^2 - P_a^2$ by:		P.2. P.2	Backpressure Curve Slope = "n" or Assigned Standard Slope			n x LOG		А	ntilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			1														
pen Flov	v			Mo	ofd @ 14.6	55 psia		Deliveral	bilitv		ł		Mcfd @	14.65 psi	a		
			authority, or	beha	alf of the	Company, s		e is duly a	uthorized						s know	ledge of 20 13 .	
				- r				•			***************************************					C WI	
			Witness (if								4.		ompany		N	OV 14	
			For Commi	ssion				•				Chec	ked 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 Larson Engineering, Inc. 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 Martin #1-23
gas well 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 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: 11/6/2013
Signature: Staphano Brandy Title: Administrative Asst

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 polater than the 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.

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