Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:					(See Instruc	tions on Re	verse Side))						
Open Flow					=	T-11 0-1										
Deliverabilty					Test Date 12/23/20			API No. 15 007-22354-0001								
Company Larson E		— erir	ng, Inc.		-	12/20/21		Lease					Well Number 1 OWWO			
County Location Barber App C NW SW					Section 9		TWP 32S			W)	Acres Attributed 320			attributed		
Field Perry Ranch						Reservoir Mississippì			Gas Ga Oneok							
Completion Date 3/23/2004					Plug Bac 4903'	Plug Back Total Depth 4903'			Packer (Set at						
Casing Size Weight 4-1/2" 10.5#				Internal D 4.052"	Diameter		Set at 4949'		rations O	To 4838'						
Tubing Si 2-3/8"	ze		Weigi 4.7#	ht		Internal Diameter 1.995		Set at 4898'		Perforations 4883			To 4886'			
Type Completion (Describe) single					Type Flui water	d Production	n .			nit or Traveling ing unit	Plunger? Yes / No					
Producing	Thru	(Anı	nulus / Tubic	ıg)		% C	arbon Dioxi	de		% Nitrog	jøn		Gas Gr	avity - (3,	
annulus	;															
Vertical D 4820'	epth(i	1)					Pres flang	sure Taps je					(Meter i 2"	Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in 12	/22	2	0.14 at 9	:00	(AM) (PM)	Taken_12	2/23	20	14 at	9:00	(AM) (PM)	
Well on L	ine:		Started		20	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)	
			- <u>1 1 1997</u>		ញខណ្ឌ វ	อนะก	OBSERVE	DSURFAC		1	* ***	-Duration	of Shut-	in	Hours	
Static / Dynamic Property	Static / Orifice ynamic Size		Prover Pressure		Pressure Differential in. Inches H ₂ 0	Temperature Tempera				Tubing Wellhead Préssure (P _w) or (P _i) or (P _c) psig psia		Duration (Hours)		1 '	d Produced 3arrels)	
Shut-In	Shut-In			-				94.0	psia	porg pola						
Flow									· · · · · · · · · · · · · · · · · · ·					<u> </u>		
						_ ,	FLOW STR	EAM ATTR	IBUTES						,	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension	Grav Fact F _s	tor	Flowing Temperature Factor F _{II}	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)			Flowing Fluid Gravity G _m	
	Ì					<u>. </u>										
(P _c) ² =			(P_)²:	_		(OPEN FLO	OW) (DELIV) CALCUL 2 - 14.4) +			· · · · ·	(P _a); (P _a);	²= 0.2	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _a) ² - (P _w) ²		Cho	ose formula 1 or 2: 1. $P_a^2 - P_a^2$ 2. $P_a^2 - P_a^2$ led by: $P_a^2 - P_a^2$	LOG at formula 1. of 2. and divide by:		Backpressure Curve Slope = "n"				Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
								-		_						
Open Flo	 w	-			Mcfd @ 14.	65 psia	ſ	Dellverat	oility (*)	1	* 1	Mcfd @	14.65 psi	a_	* 1	
1 1 2 2 3 3	-	lgne	d authority, o	on b		; J		ie is duly a	uthorized t	l o make ti	he above-repo	ort and th	at he ha	ıs know	ledge of	
the facts s	tated I	herei	in, and that s	aid	report is true	and correc	t. Executed	I this the _1	5th '	day of J	anuary) <u>-</u> -	· ·	20 15	
	· ·		· -					EIVED		ha	mor	Jan	رمد		<u> </u>	
		_	Wilness	(if an	n)	KANS	AS CORPOR	ATION COMM	NOIOEN	,	For	Ompany				
			For Com	missio	nh		JAN 2	.0 2015			Che	cked 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 Marsh A #1 OWWO
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: 1/15/2015
RECEIVED KANSAS CORPORATION COMMISSION JAN 20 2015 CONSERVATION DIVISION WICHITA, KS Signature: President Title: President

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.