## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(	(See Instruc	tions on Re	everse Side	e) ·	٠		
✓ Open Flow  Deliverabilty					Test Date 9-28-13		· .			No. 15 5-22064 <b>- D</b>	000	
Company LARIO C		GAS	COMPAN'	Y			Lease BERGI	KAMP			#1-8	Well Number
County KINGMA	County Location KINGMAN NW SW SW				Section 8		TWP 28			/W)		Acres Attributed
Field BROAD\	VAY				Reservoir MISSISSIPPI					thering Conn	ection & SUPPLY, INC	<b>3</b> .
Completic	n Date	e		Plug Back Total Depth 4083'		th		Packer Set at 3731'		· · · · · · · · · · · · · · · · · · ·	· .	
Casing Si 5 1/2"	Casing Size			Weight 15.5		Internal Diameter 4.950"		Set at 468'		rations	то 3775'	
Tubing Size			_	Weight 4.70#		Internal Diameter 1.995"		Set at 3775'		rations 7'	To 3763'	
Type Completion (Describe)					id Production		Pump Unit or Tra Flow		nit or Traveling	eling Plunger? Yes / (No)		
Producing Thru (Annulus / Tubing) TUBING					Carbon Dioxi	ide	e % N 6.6		gen	Gas Gravity - G		
Vertical Depth(H) 4281'						sure Taps NGE				(Meter Run) (Prover) Size 2.067		
			13 at 8:30 (AM)(PM) Taken 9			Taken 9	-28	20	13 <sub>at</sub> 9:00	((AM) (PM)		
Well on Li	ne:		Started 9-2	82	13 at 8		~	Taken 9			13 at 9:00	(AM)(PM)
			· · · · ·			OBSERVE	D SURFAC	E DATA			Duration of Shut	-in 24 Hours
Static / Dynamic Property	Orifice Size (inches)		Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H <sub>2</sub> 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			poig (i iii) ilianes				psig 180	psia	psig psia		24	
Flow							65		·		24	110
						FLOW STR	REAM ATTE	RIBUTES			· · · · · · · · · · · · · · · · · · ·	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia		Press Extension . ✓ P <sub>m</sub> xh	i Gravily		Flowing Temperature Factor F <sub>II</sub>	Fa	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity
										33		
<b></b> >5						OW) (DELIV						$0^2 = 0.207$
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2:	P <sub>d</sub> =			P <sub>c</sub> - 14.4) +	$\overline{}$	<del>:</del>	(P <sub>d</sub> )	) <sup>2</sup> = ,
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		<ol> <li>P<sub>c</sub><sup>2</sup> - P<sub>a</sub><sup>2</sup></li> <li>P<sub>c</sub><sup>2</sup> - P<sub>d</sub><sup>2</sup></li> <li>divided by: P<sub>c</sub><sup>2</sup> - P<sub>w</sub><sup>2</sup></li> </ol>	LOG of formula 1. or 2. and divide P2. P2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
-		· · · · · - ·										
				· .				•				
Open Flov	v 			Mcfd @ 14.0	65 psia		Deliveral	oility	<u> </u>	÷	Mcfd @ 14.65 ps	ia
		-	-				•		_		ort and that he ha	_
he facts st	ated th	erei	n, and that sa	id report is true	and correc	t. Executed	this the _1	ım	day of	CTOBER	· · · · · · · · · · · · · · · · · · ·	, 20 13
								-			VANIOAC	RECEIVED
			Witness (if	any)						For C	Company NANSAS	CORPORATION COM
	<del></del>		For Commi	ission		· .				Chec	cked by	OCT 1 5 2013

I dec	ាំបានប្រាស់ lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt s	tatus under Rule K.A.R. 82-3-304 on behalf of the operator LARIO OIL & GAS COMPANY
	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 equipm	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
l here	eby request a one-year exemption from open flow testing for the BERGKAMP #1-8
	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 furtl	ner agree to supply to the best of my ability any and all supporting documents deemed by Commissic
taff as n	ecessary to corroborate this claim for exemption from testing.
Date: 10	-11-13
	$\Omega$
	Signature:
	INVESTIGATIONS ENGINEED
	Title: JAY SOWERET - OPERATIONS ENGINEER

## 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.