KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instruc	tions on Re	verse Side)			
Op	en Flow			Test Date	a:			ΔDI	No. 15		
√ Del	iverabilty	<u>'</u>		11/24/1					199-20361-	0000	
Company Raven Resources, LLC					Lease Gebhards					#1-36	Well Number
County Location Wallace County NE/4 SW/4			Section 36		TWP 11S			E/W)		Acres Attributed	
Field				Reservoir Niobrara					hering Conn gathering s		(ansas Pipeline)
Completion Date 8/2008			Plug Bac 1120.16	k Total Dept	th	Packer Set at			To DEC 2 To KCC WICE Plunger? Yes No		
Casing Size Weight 4 1/2" 10.5			Internal [Diameter				orations To D' - 962'		DEC 2	
Tubing Si	ubing Size Weight 3/8" 4.7		jht	Internal Diameter		Set at 916.25'		Perforations		То	_KCC IMI
Type Completion (Describe) CO2 Frac "Single Gas"			Type Flui Only G	d Production		Pump Unit or Traveling Plung			Plunger? Yes	No	
		Annulus Tubi	ng)		Carbon Dioxi	ide		% Nitrog	en	Gas Gi	ravity - G _g
/ertical D 1175'	epth(H)				Pres	sure Taps				(Meter .500"	Run) (Prover) Size
Pressure	Buildup:	Shut in 11	/24	12 at 1	2:08	(AM) (PM)	Taken_11	/25	20	12 _{at} 12:08	
Well on L	ne:	Started 11	/252	20 <u>12</u> at 1	2:08	(AM) (PM)) _{Taken} <u>11</u>	/26	20	12 at 12:08	(AM)(PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	-in 24 Hours
Static / Dynamic Property	Orifice Size (inches)	Size Prover Pressure in		Flowing Temperature t	Temperature Temperature		(P _w) or (P _t) or (P _c)		Fubing ad Pressure r (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In .2500		19	0	60	60		psia	psig 6	psia	24	0
Flow	.2500	15	2.6	43		2		2		24	0
	- 1		- 	_	FLOW STR	REAM ATTR	IBUTES	· · · · · · · · · · · · · · · · · · ·			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension P _m xh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁	Fa	ation ctor : pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	eet/ Fluid Gravity
		···	<u> </u>	(OPEN FL	OW) (DELIV	/ERABILITY) CALCUL	ATIONS	<u>-</u>		
P _c) ² =	:	: (P _w) ²	= :	P _d =			P _e - 14.4) +		:	(P _a) (P _d)) ² = 0.207) ² =
(P _c) ² - (I or (P _c) ² - (I	P _a) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_g$	2: LOG of formula 1, or 2. and divide p2.p2		Backpressure Curve Slope = "n" Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow		Mcfd @ 14.6		65 pois	5 peia		Deliverability			Mcfd @ 14.65 psia	
										<u>.</u>	
	•	•	on behalf of the			•	10	o make the	ne above repo	ort and that he ha	as knowledge of
		Witness	s (if any)			-	r John	7	For	Company	
		For Con	nmission			-			Che	cked by	

DEC 2 6 2012

	KCC WICHITA
	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Raven Resources, LLC
_	ng pressure information and statements contained on this application form are true and
of equipment installa	f my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the
is	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D
-	o supply to the best of my ability any and all supporting documents deemed by Commission o corroborate this claim for exemption from testing.
Date: 12/19	/12
	Signature: Market Title: Mg Market

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.