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

Type Test	:			(	(See Instruc	tions on Re	verse Side	)						
Op	en Flow			T D-4				4.51						
<b>√</b> De	liverabilty			Test Date 11/24/1					No. 15 199-20335 <i>-</i>	-0000				
Company Raven Resources, LLC				Lease RP Cattle				Well Number #1-6					-	
County Location Wallace County NW/4 NW/4			Section 6		TWP RNG (E/W) 12S 41W			W)	Acres Attributed				_	
Field				Reservoi Niobrar					hering Conn gathering s		Vest K	ansas	Pineline)	
Completion Date 8/2008			Plug Bac	Plug Back Total Depth			Packer Set at				Kansas Pipeline)  RECEIVA  DEC 2 6 2  KCC WICHI		ENE	
Casing Size Weight 4 1/2" 10.5			Internal I	Diameter			Perfo 816	rforations		To 850'	DEC		2 6 20	
Tubing Size Weight			Internal Diameter		Set at		Perforations			To K(		CC M	_	
	npletion (E	4.7 Describe)		Type Flui	id Production	824'		Pump Ur	nit or Traveling	Plunger?	Yes /	No	7 77	CHIT
"Single	Gas"			Only G				No	in or maroling	r rungor.	100 (			
Producino Tubing	) Thru (A	nnulus /(Tubing)	)	% (	Carbon Dioxi	de		% Nitrog	en		Gas Gra	avity - (	<b>3</b> ,	_
Vertical D	epth(H)		······································		Pres	sure Taps			<del>, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>		(Meter F	Run) (P	rover) Size	-
Pressure	Buildup:	Shut in11/2	4 2	<sub>0</sub> 12 <sub>at</sub> 1	1:40 (	(PM)	Taken 11	/25	20	12 <sub>at</sub> 1	1:40	6	AM) (PM)	_
Well on L	ine:	Started 11/2	52	0 <u>12</u> at <u>1</u>		(AM) (PM)				12 <sub>at</sub> 1			AM)(PM)	
					OBSERVE	D SURFACI	E DATA			Duration of	of Shut-i	in _24	Hours	<b>-</b> s
Static / Dynamic Property	Orifice Size (inches)	Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P <sub>w</sub> ) or (P	Pressure	Wellhe	ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration Liquid Produc (Hours) (Barrels)			
Shut-In	.2500	35	0	60		psig 22	sig psia 22		psia 24		0			
Flow	.2500	16	4.5	47		3		3		24		0		1
					FLOW STR	EAM ATTR	IBUTES							_
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient	Circle one: Meter or trover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fac F	tor	Temperature F		ation ctor	Metered Flow R (Mcfd)	lb.	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>	1
		<u> </u>		(OPEN EI	OW) (DELIV	EDARII ITV	) CALCUI	ATIONS					<u> </u>	
P <sub>c</sub> )² =	:	(P <sub>w</sub> ) <sup>2</sup> =	:	$P_d =$			, on2002 <sub>c</sub> - 14.4) +		:		(P₃)² (P₄)²	e 0.2 e	07	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		Choose formula 1 or 2:  (P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>o</sub> <sup>2</sup> - P <sub>o</sub> <sup>2</sup> 2. P <sub>o</sub> <sup>2</sup> - P <sub>o</sub> <sup>2</sup> divided by: P <sub>o</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope			n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
														-
Open Flo	L	Mcfd @ 14.65 psia			osia Deliverability			Mcfd @ 14.65 psia						J
The	undersign	ed authority, on ein, and that said	behalf of the	Company,		e is duly au						s know	ledge of	- ب -
<del></del> -						_			Ct -	rked by	····			_
		For Commis	SION						Che	cked by				

## DEC 2 6 2012

	NOC WICHIA
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Raven Resources, LLC
	oing 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
• •	liation and/or upon type of completion or upon use being made of the gas well herein named.  est a one-year exemption from open flow testing for the RP Cattle 1-6
	ounds 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
$\checkmark$	is not capable of producing at a daily rate in excess of 250 mcf/D
	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/14/2011	<del></del>
	Signature: Managing Member

## 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.