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

Type Test:			(5	See Instruc	tions on Rev	erse Side	)						
Open Flow			Test Date:	:			API	No. 15					
/ Dalimanahilan				est Date: APT NO. 15 5/21/2013 15-199-20334 - <b>00</b>									
Company Raven Resources	, LLC				Lease Westfield	d				#1-36	Well Nu	mber	
County Vallace County					TWP RNG (E/W) 11S 42W			<b>N</b> )	Acres Attributed				
Field Res				Reservoir Niobrara				Gas Gathering Connection Closed Gathering System (West Kansas Pipeline)					
Completion Date Plug Back Total /2008 1012.30'					pth Packer Set at								
Casing Size	Weight 10.5	Internal Diameter			Set at Perforations 1048.65' 862'-920', 92				-933'	То		<u> </u>	
Tubing Size	Weight 4.7	Internal Diameter			Set a		Perforations			То			
Type Completion (De N2 Frac "Single	escribe)		Type Fluid	l Production	n		Pump Un	it or Traveling	Plung	er? Yes	No		
Producing Thru (Annulus Krubing) % Carbon I									Gas Gravity - G <sub>g</sub>				
Tubing				Proc	ouro Topo					/Motor F	Dun\ (D	rover) Size	
/ertical Depth(H) 1060'				Pres	sure Taps					.500	turi) (P	over) Size	
Pressure Buildup:	ressure Buildup: Shut in 5/20 20 13 at 9:00				((AN)) (PM) Taken			20	13 at 9:00 (AM)(PM)			ÂM)(PM)	
Vell on Line: Started <u>5/21</u> 20 <u>13</u> at <u>9:00</u> (AM) (PM) Taken <u>5/22</u> 20							20	<u>13</u> a	9:00	(	AM)(PM)		
				OBSERVE	D SURFACE	DATA			Durati	on of Shut-	in_24	Hours	
Static / Orifice Dynamic Size Property (inches)	c Size Prover Pressure in		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In .250	psig (Pm) 19.2	Inches H <sub>2</sub> 0	98.9		psig 7	psia	psig 7	psia	24		0		
Flow .250	13.7	10.4 77			2	<u>.</u>	2	2		24 0		-	
	<b>.</b>		•	FLOW STF	REAM ATTRI	BUTES							
Plate Coefficeient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	efficient Meter or Extension  F <sub>b</sub> ) (F <sub>p</sub> ) Prover Pressure P <sub>m</sub> x h		Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>f1</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	y GOR (Cubic Feet/ Barrel)		et/	Flowing Fluid Gravity G <sub>m</sub>	
l			(OPEN FLO	)W) (DELIV	ERABILITY)	CALCUL	ATIONS			(P )	²= 0.2	 07	
P <sub>c</sub> ) <sup>2</sup> =:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> = _		% (P	<sub>c</sub> - 14.4) +	14.4 =	:			=		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	$\begin{array}{c} \text{Choose formula 1 or 2:} \\ P_{c})^{2} - (P_{w})^{2} & 1. \ P_{c}^{2} - P_{b}^{2} \\ & 2. \ P_{c}^{2} - P_{d}^{2} \\ & \text{divided by:} \ P_{c}^{2} - P_{w}^{2} \end{array}$		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flow	n Flow Mcfd @ 14.65 psia			Deliverability			Mcfd @ 14.65 psia						
The undersigned	d authority, on I			tates that h	ne is duly au	thorized to	make th	e above regio	rt and	that he ha	s know	ledge of	
e facts stated therei						17/	day of	FYA	1			20 13	
			<u> </u>		_		m	IX 1	<u> </u>	JY	(CC	WICH	
	Witness (if a	ny)			-			For C	company		JUL	2 9 201	
	For Commiss	sion			_			Cher	ked by			ECEIVE	

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 Raven Resources, LLC 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 Westfield 1-36 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:
Signature:  Title:

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.

JUL 29 2013