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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:		ONE !		(See Instruc	tions on Re	everse Side)						
Open Flow Test Date:									API	No. 15		_			
✓ De	liverabil	ty			5/21/20	13			15-	199-20333 -	.000				
Company Raven Resources, LLC							Lease Westfie	eld				#2-36	Well Nu	mber	
County Location Wallace County NE/4 NE/4					Section 36			TWP RNG (E/W) 11S 42W					Acres A	attributed	
Field					Reservoir Niobrara				Gas Gat Closed	(West K	ansas	Pipeline)			
Completion Date 7/2008					Plug Bac 1143.49	k Total Dep)'	oth		Packer S	Set at					
Casing Size 4 1/2"			Weight 10.5		Internal Diameter		Set at 1195.74'		Perforations 926-966', 972'-976'			то 982' - 988'			
Tubing Size 2 3/8"			Weight 4.7		Internal Diameter		Set at 930.85		Perforations			To			
Type Completion (Describe) N2 Frac "Single Gas"					Type Flui Only G	d Productio	Pump Unit or Traveling Plunge No				er? Yes	/(No)			
Producing Thru (Annulus (Tubing) Tubing)	% C	arbon Diox	tide	% Nitrogen				Gas Gravity - G _g			
Vertical D 1210'	epth(H))				Pres	ssure Taps					(Meter I .500	Run) (Pi	rover) Size	
Pressure Buildup:			nut in 5/20	2	₀ _13 _{at} _9	:00	(AM) (PM)	Taken_5/	21	20	13 at	9:00	(AM) (PM)	
Well on L	ine:	St	arted _5/21	2	0 <u>13</u> at <u>9</u>	:00	(AM)(PM)	Taken 5/	22	20	13 at	9:00	(AM) (PM)	
						OBSERVI	ED SURFAC	E DATA			Duratio	on of Shut-	_{in} 24	Hours	
Static / Dynamic Property		rifice Circle on (Wete) Size Prover Pre- psig (Pr		Pressure Differential in Inches H ₂ 0 Flowin Tempera		Well Head Temperature t	Wellhead (P _w) or (F			Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.250		16.6	0	91.8		6	psia psig		psia	24	0			
Flow	.250		13.2	2.8	77.6		1		1		24		0		
						FLOW ST	REAM ATTE	RIBUTES						T	
Plate Coeffiecient (F _b) (F _p) Mcfd		M	ircle one: leter or er Pressure psia	Press Extension √ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELI)	VERABILITY	Y) CALCUL	ATIONS	· · · · · · · · · · · · · · · · · · ·		(5.)	2 22	^ -	
(P _c) ² =		_:	(P _w) ² =_	:	P _d =			P _c - 14.4) +		:		(P _a)	² = 0.2 ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c))² - (P _w)²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ fivided by: $P_c^2 - P_w^2$	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _c ² and divide		Backpre		n x	roe		ntilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	open Flow Mcfd @ 14.65 psia					Deliverability				Mcfd @ 14.65 psia					
The	undersiç		-	behalf of the	Company, s		he is duly a		o make the			that he ha	as know	2013.	
			Witness (if	any)					w	For C	Company	<u> </u>	CC		
			For Commi	ssion						Chec	ked by		JUL	2 9 201	

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 2-36
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: 7/17/13
Signature:

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 **KGGUNICHITA** signed and dated on the front side as though it was a verified report of annual test results.

JUL 29 2013

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