RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		1		,		tions on Re		•					
Open Flow Test Date: √ Deliverabilty 5/21/2013					API No. 15 15-199-20355 ~ 0000								
Company Raven Resources, LLC				J.L 1120	Lease Agnew							Vell Number	
County Location Wallace County NE/4 NW/4			Section 23		TWP 11S	TWP 11S		E/W)	Acres Attribut		tributed		
Field			Reservoi Niobrar			Gas Gathering C Closed Gatherin		thering Conn	nnection (West Kansas		-		
Completion Date 8/2008			Plug Bac 1233.66	k Total Dep	th		Packer		system	Pi F	eline)		
Casing S 4 1/2"	ize		Weight 10.5		Internal Diameter		Set at 1275.64'		orations 70'	To 1090'			
Tubing Size Weight 2 3/8" 4.7			Internal Diameter		Set at		Perfo	orations	То				
Type Completion (Describe) CO2 Frac "Single Gas"			Type Fluid Production Only Gas				Pump Unit or Traveling Plunger? Yes No						
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitro	gen	Gas G	Gas Gravity - G _g		
Vertical Depth(H)			Pressure Taps						(Meter .500	Run) (Pro	over) Size		
Pressure Buildup: Shut in 5/20			20	20 13 at 8:00 (AM) (PM)			Taken_5/	21	20	13 at 8:00		ĀM)(PM)	
Well on L	ine:	Started 5/2	21 2	13 at 8	:00	(AM) (PM)			20	13 at 8:00		AM) (PM)	
	· · · · · · · · · · · · · · · · · · ·				ORSERVI	ED SURFAC		· · · · · · · · · · · · · · · · · · ·		Duration of Shut	-in 2	4 Hours	
Static / Dynamic Property	Orific Size (inche	Prover Press	Differential in	Flowing Temperature t	Well Head	Ca: Wellhead	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing ead Pressure or (P _t) or (P _c)	Duration (Hours)	Liquid	Liquid Produced (Barrels)	
Shut-In	.3750	psig (Pm) Inches H ₂ 0	89.3	<u> </u>	psig 5	psia	psig 5	psia	24	0		
Flow .3750			3.7	66		2		2		24	0		
		L			FLOW ST	REAM ATTE	RIBUTES	I	<u></u>				
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	eter or Extension		Gravity Factor F _g		e Deviation Factor F _{pv}		Metered Flow GC R (Cubic (Mcfd) Bar		eet/	Flowing Fluid Gravity G _m	
				(ODEN EI	OW) (DEL II)	CDARUITY	O CAL CIU	ATIONE					
(P _c) ² =		_: (P _w)²	= :	OPEN FL	• •	/ERABILITY % ()	P _e - 14.4) +		:	(P _a (P _d) ² = 0.20) ² =)7 	
(P _c) ² - (I or (P _c) ² - (I		$ (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: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide D 2 D 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x	LOG	Antilog	Deliv Equals	en Flow verability R x Antilog Vlcfd)	
Open Flo	w L		Mcfd @ 14	.65 psia		Deliveral	oility			Mcfd @ 14.65 ps	ia J		
	-	ned authority.			states that I			o make t		ort and that he ha		edge of	
			said report is tru				12	day) of _	Jul	6		013	
		Witness	(if any)			-		m	48	Company	_k(C W	
		********	··· ··· · · · · · · · · · · · · · · ·						1011				

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 Agnew 2-23 gas well on the grounds that said well:
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: Agent. 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