KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		-	. (See Instruct	tions on Rev	erse Side,)				
. D	oen Flor	v		·								
√ De	eliverab	lty	•	Test Date July 25,					No. 15 199-20335 -	0000	•	
Company Raven R		ces, LLC		,,	· ·	Lease RP Cattl	е		4		Well Nu	nber
County Location Wallace County NW/4 NW/4				Section 6		TWP RNG (E/W		W)	Acres Attributed		ttributed	
Field			······	Reservoir					hering Conne	ection System (West I	 Kansas	Pipeline
Completion 8/2008	on Dat	9		Plug Bac 1099'	k Total Dept	th		Packer S				ė.
Casing S 4 1/2"	Size	Weigh 10.5	Weight 10.5		Diameter	Set at 1135'		Perfo 816	rations	то 850'		
Tubing S 2 3/8"	Size	Weigh	Weight		Internal Diameter		Set at Pe		rations	То		
Type Completion (Describe) "Single Gas"			Type Flui Only G	d Production	n	Pump Unit or Traveli		nit or Traveling	ng Plunger? Yes /(No			
	g Thru	(Annulus Tubing	1) .		Carbon Dioxi	de .	/	% Nitrog	en	Gas Gr	avity - C	ì
Vertical E)	<u>, , , , , , , , , , , , , , , , , , , </u>		Pres	sure Taps				(Meter .500	Run) (Pi	over) Size
Pressure	Buildu	p: Shut in July	/ 2 2	0_14_at_8	:40	(AM) (PM)	Taken Ju	ly 23	. 20	14 at 8:40	((AM) (PM)
Well on L	_ine:	Started July	23 20	0 <u>14</u> at <u>8</u>	:40	(AM) PM)	Taken Ju	ly 25	20	14 at 8:40	(AM) (PM)
		,			OBSERVE	D SURFACE	DATA			Duration of Shut	in 504	Hours
Static / Dynamic Property	Orifi Siz (inch	Prover Pressi	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Temperature Temperature		(P_w) or (P_1) or (P_c) (P		Tubing ad Pressure r (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.250		0		90	25	psia	psig 25	psia	504	.0	
Flow	.250	17.9	17.4		90	4		4		48 0		
	. 1		1		FLOW STE	REAM ATTRI	BUTES	-		<u> </u>		
Plate Coeffied (F _b) (F Mcfd	cient ,	Circle one: Meter or Prover Pressure psia	Press Extension	Grav Fac F	tor	Flowing Temperature Factor F ₁₁	· Fa	iation ctor : pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	eet/	Flowing Fluid Gravity G _m
Ĺ			• •	,			-,			γ .	٠.	,
(P _c) ² =		(D)2 -		•	, ,	/ERABILITY) % (P					$r^2 = 0.2$	07
(' 6)		_: (P _w) ² =	Choose formula 1 or 2	P _d =			<u>-</u> 14.4) +		·	(F _d ,)2 =	
(P _c) ² - (or (P _c) ² - ((P _a) ² (P _d) ²	(P _c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² divided by: P_c² - P_d² 	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Slop Ass	ssure Curve le = "n" or signed ard Slope	n x	LOĞ	Antilog	Del Equals	en Flow verability R x Antilog Mcfd)
		ſ.										
	٠.					·					<u> </u>	
Open Flow		Mcfd @ 14.65 psia				Deliverability				Mcfd @ 14.65 psia		
		igned authority, o	·					_	ne above repo	ort and that he ha	as know	ledge of
o idoto s		inerent, and that s	roport is tiut		REC	EIVED	Kh		1/2	T		
		Witness (f any)	KANSA	NS CORPORA	ATION COMM	SSION		Ford	Company	,	
		For Comm	rission		CED 2	9 2014			Che	cked by		

I declare under penalty of perjury	under the laws of the state of Ka	nsas that I am authorize	ed to request
exempt status under Rule K.A.R. 82-3-3	304 on behalf of the operator Rave	en Resources, LLC	
and that the foregoing pressure inform	mation and statements contained	on this application form	are true and
correct to the best of my knowledge an	nd belief based upon available proc	duction summaries and l	ease records .
of equipment installation and/or upon ty	ype of completion or upon use bein	g made of the gas well h	erein named.
I hereby request a one-year exemp	otion from open flow testing for the	RP Cattle #1-6	
gas well on the grounds that said well:		· · · · · · · · · · · · · · · · · · ·	
(Check one)			
is a coalbed metha	ne producer		
is cycled on plunge	er lift due to water	•	
is a source of natur	ral gas for injection into an oil reser	rvoir undergoing ER	
is on vacuum at the	present time; KCC approval Dock	et No	
is not capable of pr	oducing at a daily rate in excess o	of 250 mcf/D	• .
	•		
I further agree to supply to the bes	st of my ability any and all support	ing documents deemed	by Commission
staff as necessary to corroborate this	claim for exemption from testing.	·	
Date: 9/24/2014	·	·	
Date. O.Z. I.Z.			
			v.
		Λ	
	Signature: Land	A +	
	Signature: Managing Member	er, Raven Resources, L	LC

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.