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

Type Test	t:		,		(	See Instruc	tions on Rev	erse Side,	)			
Op	en Flov	w			· Tank Data				4.51	N. 48'		
<b>√</b> De	liverab	ilty		·	Test Date July 25,					No. 15 1 <b>99-20331 -</b>	0000	
Company Raven R		ces,	LLC	910131	- <u>-</u>		Lease Westfield	<u> </u>	,			Well Number
County Wallace	Coun	ty	Locatio C SE/4	on *	Section 31		TWP 11S	,	RNG (E/ 41W	W) .		Acres Attributed
Field	<u> </u>			· ·	Reservoir Niobrara		-			nering Conn Gathering S		ansas Pipeline)
Completic 8/2008	on Dat	е		f	Plug Bac	k Total Dep	th		Packer S	et at		· · · · · · · · · · · · · · · · · · ·
Casing S 4 1/2"	lize		Weight		Internal D	Diameter	Set at 1045		Perfo	ations	To 878'	
Tubing Si 2 3/8"	ize	-	Weight 4.7		Internal Diameter		Set at 837'		Perforations		То	· · · · · · · · · · · · · · · · · · ·
Type Con "Single			scribe)	· · · · · · · · · · · · · · · · · · ·	Type Flui	d Production	n		Pump Un	it or Traveling	Plunger? Yes	/No
			ulus (fubing	<i>y</i>	<u>.                                  </u>	arbon Diòxi	ide	•	% Nitrog	en	Gas Gr	avity - G
Vertical D	Depth(H	1)	• :	•		Pres	sure Taps	· · · · · · · · · · · · · · · · · · ·			(Meter I	Run) (Prover) Size
Pressure	Buildu	p: §	Shut in July	2 20	14 at 9	:30 /	(AM) (PM)	Taken_Ju	ly 23	20		(AM) (PM)
Well on L	ine:	\$	Started July	23 20	14 at 9	:30	(AM) (PM)			20	14 at 9:30	(AM) (PM)
				· =====		OBSERVE	D SURFACE	DATA			Duration of Shut-	in_504 Hour
Static / Dynamic Property	∂ Orifi Siz (inch	e	Circle one: Meter Prover Pressui	1 1	Flowing Temperature t	Well Head Temperature t	Casii Wellhead F (P <sub>w</sub> ) or (P <sub>t</sub>	ressure	Wellhe	ubing ad Pressure (P,) or (Pc)	Duration (Hours)	Liquid Produced (Barrels)
	ļ .		psig (Pm)	Inches H <sub>2</sub> 0		<u> </u>	psig	psia)	psig	psia		<u> </u>
Shut-In Flow	.250		24.5	0		90	10	-	10		504	0
. FIOW	.250	0	17.4	8.1		90	1		4 ^	1	48	0
	ſ			7711	1	FLOW STE	REAM ATTRI	BUTES.				<u> </u>
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	cient ,)		Circle one: Meter or ver Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fac F <sub>c</sub>	tor	Flowing Temperature Factor F <sub>tt</sub>	Fa	ation ctor pv	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity
							<del></del>	<u>.</u>				
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =_		•		<b>/ERABILITY)</b> % (P					<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (l or (P <sub>c</sub> ) <sup>2</sup> - (l	•	 (P	c)2 - (P <sub>w</sub> )2	2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	P <sub>d</sub> =	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpres Slop Ass	sure Curve e = "n" origned	n x l	.og	Antilog	Open Flow Deliverability Equals R x Antilog
			,	livided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	by:		Ştantua	rd Slope				(
				•								
Open Flo	w			Mcfd @ 14.6	65 psia		Deliverabi	lity		2 × y	Mcfd @ 14.65 ps	ia ·
The	unders	igned	authority, on	behalf of the	Company, s	states that h	ne is duly aut	thorized to	make th	e aboye repo	ort and that he ha	as knowledge of
the facts s	stated ti	herei	n, and that sa	id report is true			this the 24 CEIVED CATION COMM		day of S	egrenover		, 20 14
			-Witness (if	any)		· · · · · · · · · · · · · · · · · · ·	2 9 2014		0	For	Company	·
	,		For Commis	ssion		CONSERVAT	TION DIVISION ITA, KS	1		Che	cked by	

exempt status under Rule				hat I am authoriz	ed to request
and that the foregoing p				•	
correct to the best of my	_	•	•		
of equipment installation			•	•	erein named.
I hereby request a or		n from open flow te	sting for the		· · · · · · · · · · · · · · · · · · ·
gas well on the grounds	that said well:	٠.			
(Check one)					
isac	oalbed methane i	producer			
is cyc	oled on plunger lit	ft due to water			.;
isas	ource of natural (	gas for injection into	an oil reservoir u	ndergoing ER	
is on	vacuum at the pr	esent time; KCC ap	oroval Docket No.		
✓ is not	capable of produ	ucing at a daily rate	in excess of 250	mcf/D	·. •
I further agree to su				cuments deemed	by Commission
	·		•		
	114				
Sontombor 24, 20	) I <del>(+</del>				
Date: September 24, 20	<u> </u>	•	*		
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Date: September 24, 20			<i>ا</i>	D	
Date: September 24, 20		Signature:	and t		
Date: September 24, 20			dud ging Member, Rav	ven 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.