KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	,			. (See Instruct	tions on Reve	erse Side,)				
Op	en Flov	v			T - 1 D - 1								
✓ Deliverabilty				Test Date: July 25, 2014			API No. 15 15-199-20357 0 000						
Company Raven R		ces	, LLC				Lease Lutters				#2-25	Well Nu	mber
County Wallace County		:y	Location NE/4 NV		Section .		TWP 11S			W)		Acres A	Attributed
Field		Reservoir Niobrara				Gas Gathering Connection Closed Gathering System (West Kansas Pipeline)							
Completion Date 8/2008		9			Plug Bac 1158'	Plug Back Total Depth 1158'			Packer S	et at			
Casing Size 4 1/2"			Weight 10.5		Internal Diameter			Set at Per 1194.59' 10		rations 3'	To 1044'		
Tubing Size 2 3/8"			Weight 4.7		Internal Diameter		Set at 999'		Perforations		To .	·	·
Type Cor CO2 Fr				`	Type Flui Only G	d Production	n		Pump Ur No	it or Traveling	Plunger? Yes	No)
Producing Tubing	g Thru	(Anı	nulus /(Tubing	y .	% C	arbon Dioxi	de		% Nitrog	en	Gas G	iravity - C	3 ₀
Vertical E	Depth(H)				Pres	sure Taps		1		(Meter	Run) (P	rover) Size
Pressure	Buildu	 o:	Shut in July	2 2	14 at 1	0:40	(AM) (PM)	Taken_Ju	ly 23	20	14 _{at} 10:40		AM)(PM)
Well on L	_ine:		Started July	232	0 <u>14</u> at <u>1</u>		(AM) (PM)			20	14 at 10:40	((AM)(PM)
				:		OBSERVE	D SURFACE	DATA			Duration of Shu	t-in_504	4 Hour
Static / Dynamic Property	Size	Size Meter Differ		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Wellhe	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)		d Produced Barrels)
· Shut-In	.375	0	18.4	0		90	psig 4	psia	psig 4	psia	504	0	
Flow	.375	0 `	16.9	3.9		90	2		2		48	0	
	<u>.</u>		<u> </u>	· · · · · · · · · · · · · · · · · · ·		FLOW STR	REAM ATTRI	BUTES		•			
Plate Coeffied (F _b) (F	cient	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac F	tor	Flowing Temperature Factor F ₁₁	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
				· · · · · · · · · · · · · · · · · · ·				ļ				٠,	
(P _c) ² =			(P _w) ² =		(OPEN FL	• •	(ERABILITY) % (P.	CALCUL - 14.4) +				$(x)^2 = 0.2$ $(x)^2 = 0.2$.07
(P _c) ² - (or (P _c) ² - ((P _a) ²	(F		Choose formula 1 or 2 1. P _c ² - P _s ² 2. P _c ² - P _s ²			Backpres	sure Curve e = "n" origned		LOG	Antilog	Or Del	pen Flow liverability s R x Antilog
·· c/ \	d'			divided by: $P_c^2 - P_w$		P _c ² - P _w ²		rd Slope			•	-	(Mcfd)
										.	• , •	-	
Open Flo	ow		· •	Mcfd @ 14	.65 psia	5 psia Deliverability		lity	Mcfd @ 14.65 psia				
		•	•	behalf of the		9595B	ΓD			ne aboye repor	rt and that he h		rledge of 20
			Witness (if	any)	- 1	SEP 29	2014 -	nce	y	For C	ompany		
		··i	For Commi	ssion	- CC	ONSERVATIO			•	Chec	ked by	•	

I declare	e under penalty of perjury	under the laws of the s	tate of Kansas that I am	authorized to request
exempt statu	us under Rule K.A.R. 82-3-3	304 on behalf of the ope	ator Raven Resources,	LLC .
and that the	foregoing pressure inform	nation and statements	contained on this applica	ation form are true and
correct to the	e best of my knowledge and	d belief based upon ava	ilable production summa	aries and lease records
of equipment	t installation and/or upon ty	pe of completion or upo	n use being made of the	gas well herein named.
I hereby	request a one-year exemp	tion from open flow test	ing for the Lutters #2-25	5
gas well on th	the grounds that said well:	·		
•	•		,	
(0	Check one)			•
	is a coalbed methan	ne producer		
	is cycled on plunger	r lift due to water		•
•	is a source of natura	al gas for injection into a	an oil reservoir undergoir	ng ER
	is on vacuum at the	present time; KCC app	oval Docket No	
	is not capable of pro	oducing at a daily rate i	n excess of 250 mcf/D	
- '	* .		,	
I further	agree to supply to the bes	t of my ability any and a	all supporting documents	s deemed by Commissior
staff as nece	essary to corroborate this o	claim for exemption from	n testing.	
		,		•
Date: Septe	ember 24, 2014			
,	,			
			Ω	
		Signature:	in	*
		Title: Manag	ing Member, Raven Res	ources, LLC
-		ride.		

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.

RECEIVED KANSAS CORPORATION COMMISSION CONSERVATION DIVISION WICHITA, KS