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

Type Test	:				- (8	See Instruct	ions on Rev	erse Side	)	•		•		
Open Flow			Test Date:			API No. 15								
✓ Deliverability				July 25,		15-199-20332 <b>- 0000</b>								
Company Raven Resources, LLC						-	Lease Agnew				#1-2	Well Number #1-23		
County Location Wallace County NE/4		n	Section 23		TWP 11S		RNG (E/W) 42W		Acres Attributed					
Field					Reservoir Niobrara		•			thering Conne Gathering S		on tem (West Kansas Pipeline)		
Completic 7/9/2007		•			Plug Back 1157.26	k Total Dept	h		Packer S	Set at				
Casing Si 4 1/2"	ize		Weight 10.5		Internal D	Diameter	Set a 1197			rations 6-1090'	To 109	4-1104'		
Tubing Si	ize		Weight	-	Internal D	Diameter	Set a	t	Perfo	rations	То			
Type Con N2 Frac		) (De	escribe)		Type Fluid	d Production	1		Pump U	nit or Traveling	Plunger? Y	es (No)		
-		(Anr	nulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	jen .	. Gas	Gravity -	G <sub>g</sub>	
Annulus		<u> </u>		· · · · · · · · · · · · · · · · · · ·			· ·					D \ //		
Vertical D	Depth(H	)					sure Taps			·	.50	0 ^`	Prover) Size	
Pressure	Buildu	o: :	Shut in July	2 2	0 14 at 1	1:20	(AM) (PM)	Taken_Ju	ıly 23	20	14 at 11:2	<u>0</u>	(AM) (PM)	
Well on L	.ine:		Started July	23 2	0 14 at 1	1:20	(AM) (PM)	Taken Ju	ıly 25	20	14 at 11:2	20 7	(AM)(PM)	
-						OBSERVE	D SURFACE	E DATA			Duration of SI	nut-in 50	)4 Hours	
Static / Dynamic Property	Orifi Size (inche	Э	Circle one:  Mete  Prover Pressuit psig (Pm)	1	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P <sub>w</sub> ) or (P	Pressure	Wellhe	Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	1 .		
Shut-In	.250	0	21.8	Inches H <sub>2</sub> 0		90	psig 7	psia	psig 7.	psia	504	0		
Flow	.250	0	18.2	39.9		90	4		4		48	0		
				<del></del>		FLOW STR	EAM ATTR	BUTES						
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient Pro		Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> x h	Grav Fac F	tor	Flowing Temperature Factor F <sub>11</sub>		iation ictor	Metered Flov R (Mcfd)	(Cubi	OR c Feet/ rrel)	Flowing Fluid Gravity G <sub>m</sub>	
· · · · · · · · · · · · · · · · · · ·			,									1		
				,	(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS	•		$(P_a)^2 = 0.$	207	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	P <sub>a</sub> =		% (F	P <sub>c</sub> - 14.4) +	14.4 = _			$(P_d)^2 = $		
(P <sub>c</sub> ) <sup>2</sup> - (r or (P <sub>c</sub> ) <sup>2</sup> - (	. 1	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	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	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Slop	ssure Curve be = "n" or signed ard Slope		roe [	Antilog	De Equa	Open Flow eliverability Is R x Antilog (Mcfd)	
						. ,								
Open Flo	)w			Mcfd @ 14	.65 psia		Deliverab	ility		-	Mcfd @ 14.65	1cfd @ 14.65 psia		
The	unders	igne	d authority, or	behalf of the	Company,	states that h	ne is duly au			he above repo	ort and that he	has kno	wledge of	
the facts s	stated t	here	in, and that sa	id report is tru	e and correc	t. Executed	I this the 2	4	day of	September	< .		, 20	
		······································	Witness (ii	anv)	CZAZNAN	RECEIVE ORPORATIO	D N COMMISSI		w	Ford	Company			
	N		For Comm			SEP 29					cked by			
	•					שבר בי	_				-			

CONSERVATION DIVISION WICHITA, KS

I declare under penalty of perjury under the laws of the			uest
exempt status under Rule K.A.R. 82-3-304 on behalf of the c	•	• •	
and that the foregoing pressure information and statemen	• •	*	
correct to the best of my knowledge and belief based upon	·		
of equipment installation and/or upon type of completion or	· ·		nea.
I hereby request a one-year exemption from open flow	esting for the		
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 in	ito an oil reservoir undergo	ing ER	
is on vacuum at the present time; KCC a	ipproval Docket No	<u> </u>	
is not capable of producing at a daily ra	te in excess of 250 mcf/D		
	•		
I further agree to supply to the best of my ability any a	nd all supporting documen	ts deemed by Comn	nissio
staff as necessary to corroborate this claim for exemption	from testing.	•	
Date: September 24, 2014	•		
. *			
		•	
//	2 A	X	
Signature:	mille	X	· · ·
	haging Member, Raven Re	Sources, LLC	

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.