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

Type Test	t:				(-	See Instruct	ions on Rev	erse Side	)				1	
Op	en Flow	,			Test Date	<b></b>	•		A DI	No. 15		•		
<b>√</b> De	liverabil	ty	•		July 25,					199-20378 <b>-</b>	0000			
Company Raven F		ces,	LLC .	<del>,, ., ., .</del>			Lease Finley					#1-34	Vell Num	nber
County Location Wallace County NW SE NE NW			Section 34		TWP 11S		RNG (E/W) 42W		Acres Attributed			tributed		
Field					Reservoir Niobrara					hering Conne Gathering S			ınsas F	Pipeline)
Completion Date 3-17-2010			Plug Back Total Depth 1192'				Packer Set at					,		
Casing Size Weight 4 1/2" 10.5			۸.	Internal Diameter		Set at		Perforations 869'		To 898'				
Tubing Size Weight			Internal Diameter		· Set at		Perforations		То					
Type Con N2 Frac					Type Fluid	d Production	1 .		Pump Ur <b>No</b>	nit or Traveling	Plunger	? Yes /	(No	
Producing	g Thru	Anni	ulus / Tubing)		% C	arbon Dioxi	de	· · · · · ·	% Nitrog	en		Gas Gra	vity - G	)
Annulus		_		i,e										
Vertical E 898'	Depth(H)		•			Pres	sure Taps	,				(Meter R .500		over) Size
Pressure	Buildup	: S	ihut in July	2	0_14_at_1		(AM) (PM)				at_		(A	(M)
Well on L	.ine:	s	tarted July	23 2	0 14 at 12	2:00	(AM)(PM)	<sub>Taken</sub> <u>Jι</u>	ıly 25	20	14 at _	12:00	( <i>P</i>	M)AEM)
						OBSERVE	D SURFACE	DATA	,		Duration	of Shut-in	504	Hour
Static / Dynamic Property	Orific Size (inche	٠ ١,	Meter Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	. Flowing Temperature t	Well Head Temperature	Casii Wellhead F (P <sub>w</sub> ) or (P <sub>1</sub>	Pressure ) or (P <sub>c</sub> )	Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.5000	)	20.5	0		90	psig 7	psia	7 psig psia		504		0	
Flow	.5000 18 10.3		90		5	-	5		48		0	_		
						FLOW STR	EAM ATTRI	BUTES	· ,		-			
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia		Press Extension √ P <sub>m</sub> x h	Grav Fact F	tor	Flowing Femperature Factor F <sub>11</sub>	Fa	riation actor = pv	Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
									_,					
D 12			/D \2 -		•	•	ERABILITY)			,		(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.20	7
P <sub>c</sub> ) <sup>2</sup> =	T		(P <sub>w</sub> ) <sup>2</sup> =	noose formula 1 or 2	P <sub>a</sub> =		1	<sub>c</sub> - 14.4) +				(r <sub>d</sub> )-	•	
(P <sub>c</sub> )²-(	P <sub>a</sub> ) <sup>2</sup>	(P	)² - (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> -P <sub>e</sub> <sup>2</sup>	LOG of formula		Slop	sure Curve e = "n"	r   n x	LOG				en Flow . rerability
or $(P_c)^2 - (P_d)^2$			2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		1. or 2. and divide p 2 p 2 by:		Assigned Standard Slope				Ant	ilog		R x Antilog vicfd)
											·			
Open Flow Mcfd @ 14.6			65 psia	5 psia Deliverability			Mcfd @ 14.65 psia							
		•					•			ne above repo	r) and th	nat he has	s knowle	edge of
ne facts s	stated th	erein	n, and that said	d report is true	e and correc	t. Execu <b>țe</b> ( SAS CORPOF	CEIVED® 24 RATION COMM	NISSION)	day of S	eptember		70		0 14
			Witness (if a	ny)		SEP	2 9 2014	12	7	For C	Company			
<del></del>			For Commis	sion			ATION DIVISI			Chec	ked by		•,	

CONSERVATION DIVISION WICHITA, KS

	·							
I declare under penalty of perexempt status under Rule K.A.R.	· ·			rized to request				
and that the foregoing pressure	information and staten	nents contained on	this application fo	orm are true and				
correct to the best of my knowled	ge and belief based up	on available produ	ction summaries a	nd lease records				
of equipment installation and/or u	pon type of completion	or upon use being i	made of the gas we	ell herein named.				
I hereby request a one-year e	exemption from open flo	w testing for the _F	inley #1-34					
gas well on the grounds that said								
(Check one)								
is a coalbed m	nethane produčer							
is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER								
is not capable	of producing at a daily	rate in excess of 2	250 mcf/D					
· · · · · · · · · · · · · · · · · · ·				÷				
I further agree to supply to th	e best of my ability any	and all supporting	documents deem	ned by Commission				
staff as necessary to corroborate	this claim for exempti	on from testing.						
	•							
Date: September 24, 2014		. •		•				
Date: Oeptember 24, 2014			,					
	:							
	· '.		7					
	Signature: 🖊	Quill						
		Agnaging Mambar	Povon Posouroos					
	Title: _\frac{1\cdot 0}{2}	Managing Member,	Naven Nesources	, LLO				
•			`					

Instructions:

NORSIMINOO NOLLYMOANDO SVEINAN Jamedood 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.

SEP 29 73