KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			ş.	(-	See Instruct	nons on Hev	erse Side)^				
	en Flo				Test Date	··		•	API	No. 15			
√ De	liverab	ilty		•.		2014	.*			99-20359 -	0000		
Company Raven Resources, LLC					Lease Nelso				•	Well Number #1-26A			
County Location Wallace County SW/4 SE/4			Section 26		TWP 11S		RNG (E/W) 42W		Acres Attributed				
Field			Reservoir Niobrara				Gas Gathering Connection Closed Gathering System (West Kansas Pipeline)						
Completion 8/2008	on Dat	е			Plug Back 1221.15	k Total Dept	th		Packer Se	et at			- Announce of the Control of the Con
Casing Size Weight 4 1/2" 10.5			Internal C	Diameter	Set at 1235.13		Perforations 1058'		To 1090'				
Tubing Size Weight 2 3/8" 4.7			ıt	Internal C	Diameter	1047.54		Perfora	rforations To				
Type Con CO2 Fr				`	Type Fluid	d Production	n .	,	Pump Uni No	t or Traveling	Plunger? Yes	/(No)	
Producing Tubing	g Thru	(Ann	ulus Tubin	9)	% C	Carbon Dioxi	ide	. ,	% Nitroge	en	Gas Gr	avity - (3,
Vertical C	Depth(F	1)	•			Pres	sure Taps				(Meter F .500	łun) (P	rover) Size
Pressure	Buildu	p: \$	Shut in Jul	y 2	0_14_at_1	0:20 .	(AM) (PM)	Taken_Ju	ıly 23		14 at 10:20		(AM) (PM)
Well on L		į	Started July	y 23 ₂₀	14 at 10	0:20	(AM) (PM)	Taken Ju	ıly 25	20	14 at 10:20	((PM)
				,		OBSERVE	D SURFACE	DATA			Duration of Shut-	_{in} _504	4Houl
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressi ' psig (Pm)	Pressure Differential in Inches H ₂ 0	temperature Tempera		i .Wallhaad Praccura		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.250	00	29.2	0		90	15	psia .	15	psia	504	Ó	
Flow	.250	00	17.2	11.6		90	4		4		48	0	-
				Υ		FLOW STE	REAM ATTRI	BUTES					,
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Grav Fact	tor	Flowing Temperature Factor F ₁₁ Deviation Factor F _{pv}		ctor	Metered Flow R (Mcfd)	(Cubic Fe	GOR (Cubic Feet/ Barrel)	
<u>.</u>				^									<u></u>
(P _c) ² =		_:	(P _w) ² =	: <u> </u>	(OPEN FL		/ERABILITY) % (P	CALCUL 14.4) +		<u>.</u> :	(P _a) (P _d)	2 = 0.2 2 =	<u>2</u> 07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P.2. P.2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		-		2								-	
Open Flo) w		-	Mcfd @ 14.	65 psia	·	Deliverabi	lity			Mcfd @ 14.65 ps	 a	
·····		ianer	Lauthority o			states that h			n make th	e above Jeno	rt and that he ha	s know	uledne of
		7	•	aid report is true	and correc	· E-REGE	•) _	_/	ptember	The trial lie lie	,	20 14
***************************************	······································	w	Witness ((if any)		SEP 2		pyl	7/	ForC	Company		· · · · · · · · · · · · · · · · · · ·
			For Comr	nission		ONSERVATIO	ON DIVISION	-		Chec	cked by		<u> </u>
						WICHIT	A, KS			•			

I declare under penalty of perjury u	under the laws o	of the state of	of Kansas that	I am authorize	d to request
exempt status under Rule K.A.R. 82-3-3	04 on behalf of th	ne operator_	Raven Resou	ces, LLC	
and that the foregoing pressure inform	ation and stater	nents conta	ined on this ar	oplication form	are true and
correct to the best of my knowledge and	l belief based up	on available	production su	mmaries and l	ease records
of equipment installation and/or upon type			-		erein named.
I hereby request a one-year exempt	ion from open flo	ow testing fo	rthe Nelson	#1-26A	•
gas well on the grounds that said well:			•		
(0)()	•			•	٠.
(Check one) is a coalbed methan	o producor				*.
is cycled on plunger					
is a source of natura		•	reservoir unde	raoina FR	
is on vacuum at the p	•			ngonig Err	• •
is not capable of pro				f/D	•
		, , , , , , , , , , , , , , , , , , , ,		-	
I further agree to supply to the best	of my ability an	y and all sup	porting docur	nents deemed	by Commissi
staff as necessary to corroborate this c	laim for exempti	on from test	ting.		
	ř		•		
Date: September 24, 2014		•			
Julio		-			
· · · · · · · · · · · · · · · · · · ·					
			1	<i>,</i> , , , , , , , , , , , , , , , , , ,	
	Signature:	Dur	il)	\rightarrow	•
	Tialo. N	Managing M	ember Raven	Resources, LL	C

Instruction CONSERVATION DIVISION

CONSERVATION DIVISION CONSERVATION DIVISION WICHITA, KS

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.