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

12 Stores -

Type Test			U.I.E		(	(See Instruc	tions on Re	everse Side	)				
Open Flow Deliverabilty					Test Date: 08/01/2013			API No. 15 12920962 <b>- 0000</b>					
Change		~ ^-	novotina li		00/01/2		Lease		120	20002		Well Num	ber
County	реак	e O	perating, li Locati		Section		Olga S	>mitn	RNG (E/	W)	1-29	Acres Att	ributed
Morton Field			SE SE	SE	29 Reservoi		32S		42W	hering Conne	nation		·····
Pankra					Morrov	V				ko Gathering			
Completion 4/1/89	on Dat	te			Plug Bac 5150	k Total Dept	th		Packer S	et at			
Casing S 5 1/2	ize		Weigh 15.5	t <sup>*</sup>	Internal ( 4.950	Diameter	Set <b>53</b> 8		Perfor	rations 2	то 4916		
Tubing S 2 3/8	ize		Weigh 4.7	t	Internal ( 1.995	Diameter	Set 487		Perfo	rations	То		
Type Con Single (		n (D	escribe)		Type Flui	d Production	า		Pump Un	it or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing)					% C	% Carbon Dioxide			% Nitrog	en ·	Gas Gr	Gas Gravity - G <sub>g</sub>	
Vertical D	epth(F	H)				Pres	sure Taps				(Meter I	Run) (Pro	ver) Size
Pressure	Buildu	p:	Shut in _07/3	31 2	0_13_at_0	7:00	(AM) (PM)	Taken_08	3/01		13 at 07:00	(A	M) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(A	M) (PM)
						OBSERVE	D SURFAC	É DATA	,	-	Duration of Shut-	in 24	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In							psig 50	psia 64.4	psig 46	60.4	24		
Flow													**
					<u> </u>	FLOW STR	EAM ATTR	IBUTES	·.			·	
Plate Coeffieci (F <sub>b</sub> ) (F Mcfd	ent ,)	Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> x h	Gravity Tactor F		Flowing emperature Factor F <sub>ft</sub>	Fac	ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =			OW) (DELIV		) CALCUL P <sub>c</sub> - 14.4) +				2 = 0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(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: $P_c^2 - P_w^2$	1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		% (P <sub>c</sub> - 14.4  Backpressure Ct Slope = "n" or Assigned Standard Slop		ve n x LOG		(P <sub>d</sub> )² Antilog	Oper Delive Equals P	n Flow erability I x Antilog cfd)
								-8.4					
Open Flow	l v			Mcfd @ 14.	65 psia		Deliverab	nility			Mcfd @ 14.65 psi	<u> </u>	
		gned	authority, on			tates that he		,	make the		t and that he ha		dge of
				d report is true						eptember	and no na		13 
						KCC	WICH	ATIL	1000				
			Witness (if			SEP					ompany		
			For Commis	ssion		JEI	10 20			Check	ked by		

I declare unde	er penalty of perju	ry under the law	s of the state of K	ansas that I am autho	rized to request
exempt status und	er Rule K.A.R. 82-	3-304 on behalf o	f the operator <u>Ch</u> e	esapeake Operating, I	nc
				d on this application fo	*
correct to the best	of my knowledge	and belief based	upon available pro	oduction summaries ar	nd lease records
of equipment insta	llation and/or upor	type of completi	on or upon use be	ing made of the gas we	II herein named.
I hereby reque	est a one-year exer	mption from oper	flow testing for th	e Olga Smith 1-29	
	ounds that said we				
(Check	one)			•	
	is a coalbed meth	ane producer			
	is cycled on plun	ger lift due to wa	ter .		
	is a source of nat	ural gas for injec	tion into an oil res	ervoir undergoing ER	
	is on vacuum at th	ne present time; I	CC approval Doc	ket No	
$\checkmark$	is not capable of	producing at a d	aily rate in excess	of 250 mcf/D	
I further agree	to supply to the b	est of my ability	any and all suppo	rting documents deem	ed by Commission
staff as necessary	to corroborate thi	is claim for exem	ption from testing	•	
Date: 09/09/2013		•			-
		Signature:	Daun	Viana a	
		Title:	Dawn Richardso	on, Associate Regulate	ory Analyst
•		rido.			<del> </del>
				•	

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.

SEP 1 3 2013