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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				, 6	See Instruc	tions on Re	verse Side	e)					
✓ Open Flow Deliverabilty			Test Date: 11/15/2013			API No. 15 15-007-22439 — <i>0000</i>								
Company		Or	perating, In				Lease Harbaı	ugh H			1-27	Well Nu	mber	
County Location Barber 660' FSL & 2310' FWL			Section TWP 27 33S			RNG (E/W) Acres Attributed 14W			ttributed					
^{Field} Aetna				Reservoir Mississippi				Gas Gathering Connection Oneok Energy Service						
Completic 7/29/94		е			Plug Back Total Depth 4728				Packer Set at None					
Casing Si 5 1/2	ize		Weight 14	,	Internal Diameter 5.012		Set at 4849		Perforations 4658		To 4740			
Tubing Si 2 3/8	ubing Size Weight			Internal Diameter 1.995		Set at 4658		Perforations		То				
Type Con Single (•	n (De	escribe)		Type Flui Water	Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No Pump Unit				
	g Thru	(Anı	nulus / Tubing)		% C	Carbon Diox	ide		% Nitrog		Gas G	ravity - C	, ,	
Vertical D		l)				Pres	ssure Taps				(Meter	Run) (Pa	rover) Size	
	Buildu	p:	Shut in	5 2	0 13 at 7	:00	(AM) (PM)	Taken 1	1/16	20	13 _{at} 7:00		AM) (PM)	
Well on L									•		at	,	, , ,	
						OBSERVE	ED SURFACI	E DATA			Duration of Shut	-in _24	Hours	
Static / Dynamic Property	amic Size		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	lemperature Tempera		Mallhaad Praccura		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)		d Produced Barrels)	
Shut-In							96	110.4	0	14.4	24			
Flow														
	- 1		· · · · · · · · · · · · · · · · · · ·			FLOW STE	REAM ATTR	IBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Gravi Extension Factor ✓ P _m x h. F _g		or Temperature		Fa	viation actor F _{pv}	Metered Flo R (Mcfd)	w GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m	
-					(OPEN EL	OW) (DELIN	/ERABILITY) CALCIII	ATIONS					
(P _c) ² =		_:`	(P _w) ² =	:	P _d =	, ,)			u	$)^2 = 0.29$ $)^2 =$)7 	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		the cose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ wided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x	LOG	Antilog	Deli Equals	en Flow iverability R x Antilog (Mcfd)	
Open Flo	L w			Mcfd @ 14.	65 psia	•	Deliverab	oility		,	Mcfd @ 14.65 ps	sia		
The u	undersi	gned	d authority, on	behalf of the	Company, s	states that h	ne is duly au	uthorized t	to make ti	ne above repo	ort and that he h	as know	ledge of	
he facts si	tated th	nerei	n, and that said	d report is true	e and correc	t. Executed	this the 1	1	day of _C	ecember		, 2	20 13	
			Witness (if a	iny)			-			For	Company	CC '	WICHI	
			For Commis	sion			-			Che	cked by			
											İ	ULÜ	1 2 2013	

			of Kansas that I am authorized to	request
			Chesapeake Operating, Inc.	
_			ained on this application form are t	
		·	e production summaries and lease	
			e being made of the gas well herein	named.
		ption from open flow testing	or the Harbaugh H 1-27	
as well on the gr	ounds that said well:			
(Check	one)			
(Oneck	is a coalbed metha	ne producer		·
	is cycled on plunge			
	_	ral gas for injection into an o	l reservoir undergoing ER	
		present time; KCC approva		
		roducing at a daily rate in ex		
	· · ·			-
I further agree	e to supply to the bes	st of my ability any and all s	apporting documents deemed by Co	ommissio
taff as necessary	to corroborate this	claim for exemption from te	sting.	
ate: 12/11/2013	;			
ale	· · · · · · · · · · · · · · · · · · ·			
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		Signatuke:	of Down	red
,		Title: Sarah Rodi	iguez, Regulatory Analyst	
		Tille:Trod	-garan regulatory / tridiyot	

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.

MCC WICHITA

DEC 12 2013

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