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

Type Test:	•	(See Instructions on Reverse Side)									
	n Flow			Test Date	. , . A:			API N	lo. 15		•
Deliv	erabilty/ ومر	14451	rut in te	1/30/20	13				77-21607-	0000	
Company American						Lease Unruh				2-22	Well Number
County Location Harper SW-NW-NE-SW		Section 22		TWP.		RNG (E/W) 7W			Acres Attributed		
<sup>ield</sup> rystal Sp	orings			Reservoi Mississi		·			ering Conn chita Gas		
Completion Date 2/8/08			Plug Bac 4640'	k Total Dep	th	Packer Set at		t at			
Casing Size Weight 51/2 15.5			Internal ( 4.950'	Internal Diameter 4.950'		Set at <b>4664</b> '		tions	то 4430'		
Tubing Size Weight 23/8 4.70		Internal Diameter 1.994		Set at 4637'		Perforations		To .			
Type Completion (Describe)  Gas					Type Fluid Production Formation Water			Pump Unit or Traveling Plunger? Yes / No No			
	Thru (A	nnulus / Tubing	3)	% C	% Carbon Dioxide			% Nitrogen		Gas Gravity - G <sub>g</sub>	
Vertical Depth(H)					Pressure Taps			(Meter Run) (Pro		Run) (Prover) Size	
ressure Bı	uildup:	Shut in 1/30	0 2	0_13 at 1	0:00AM	(AM) (PM)	Taken_1/	31	20	13 <sub>at</sub> 10:15a	am (AM) (PM)
Vell on Line	e:	Started	2	0 at						at	
	•				OBSERVE	D SURFAC	E DATA			Duration of Shut-	in <u>a4</u> Hours
Static / Orifice Dynamic Size Property (inches)		Circle one:  Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>o</sub> 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P <sub>w</sub> ) or (F	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		bing I Pressure P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		posg (cm)	Wiches H <sub>2</sub> 0			psig 20	psia	psig	psia		
Flow						5					
					FLOW STR	REAM ATTR	IBUTES				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or rover Pressure psia	Press Extension √ P <sub>m</sub> x h	Gravity Factor F		Flowing Temperature Factor F <sub>11</sub> Deviation Factor F <sub>pv</sub>		etor R		(Cubic Fe	et/ Fluid
				,							
			r + 1	(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		(P <sub>a</sub> )	$^{2} = 0.207$
°) <sub>5</sub> =	:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =		% (F	P <sub>c</sub> - 14.4) +	14.4 =		(P <sub>a</sub> )	2 =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> )² - (P <sub>w</sub> )²	hoose formula 1 or 2:  1. P <sub>2</sub> <sup>2</sup> -P <sub>3</sub> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> vided by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> LOG of formula 1. or 2. and divide by:  p <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> by:		P2-P2	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LC	og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
		<u>.</u>									
pen Flow		. •	Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ .14.65 psi	<u>a</u>
The und	dersign	ed authority, or	n behalf of the	Company, s	tatès that h	ie is duly au			· ·	ort and that he ha	
facts stat	ted ther	ein, and that sa	nid report is true	and correc	t. Executed	this the 7	1	day of FE	BRUARY	$\cap$	, 20 13
		Witness (if	fany)		•	_		Lu	lle	Lasl	700111
<u> </u>	· · · · · ·				~~~~	· -		Ja	Ken	halees	KCC WICH
•		For Commi	ission		٠				Che	cked by	NOV 27 201

		•	
I declare under penalty of perjui	rv under the laws of the s	tate of Kansas that I am	authorized to request
exempt status under Rule K.A.R. 82-3	•		•
and that the foregoing pressure info			· '
correct to the best of my knowledge a		.,	
of equipment installation and/or upon			
I hereby request a one-year exer			
gas well on the grounds that said we			
		* . 	
(Check one)			
is a coalbed meth	ane producer		
is cycled on plung	ger lift due to water		
is a source of nate	ural gas for injection into a	an oil reservoir undergoin	g ER
is on vacuum at th	ne present time; KCC appr	oval Docket No	
✓ is not capable of	producing at a daily rate i	n excess of 250 mcf/D	
		.•	
I further agree to supply to the b	est of my ability any and a	all supporting documents	deemed by Commission
staff as necessary to corroborate thi	s claim for exemption from	n testing.	
Date: 2/7/2013			
	$\wedge$	•	
	Vo	$\mathcal{M}$	
	Signature:	elleglas	
	Title: PRODU	JCTION ASSISTANT	
		·	

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. 

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