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

Type Tes	it: pen Flo	w			Test Date	(See Instruc	tions on Re	overse Side	•	No. 15				
Deliverabilty				10-22-10				-24744-00-	00					
Compan H.J. INC							Lease Callaha	an			1-21	Well N	umber	
County Barton			Locati SW NE		Section 21		TWP 19S		RNG (E/W) 14W		Acres Attribute 40		Attributed	
Field Heizer				Reservoir			Gas Gathering Conr Mid-Kansas Gas G				-			
Completion Date 2-17-03				Plug Back Total 1895			pth Packer Set at None			et at				
Casing Size 5.5			Weight 14#		Internal Diameter		Set at 3584		Perforations 1717-1731		To 1739-1745			
Tubing Size 2.375			Weigh 4.7	l	Internal Diameter		Set at 1716		Perforations		То			
Type Cor Single	-	n (D	escribe)		Type Flui Saltwa	d Production ter	n		Pump Un Flows	it or Traveling Through T	g Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Tubing				1)	% Carbon Dioxide				% Nitroge 26.983	Gas Gravity - G				
Vertical D		1)			0.0	Pres	sure Taps		26.983	3	.6918 (Meter		Prover) Size	
		•				Flan	ge				2"	(r	-10Ve1) Size	
Pressure	Buildu	p:	Shut in10-2	21 2	0 10 at 9	:00 AM	(AM) (PM)	Taken_10	)-22	20	10 at 9:00 A	М	(AM) (PM)	
Well on L	_ine:		Started 10-2	222	0 <u>10</u> at <u>9</u>	:00 AM	(AM) (PM)	Taken 10	)-23	20	10 at 9:00 A	M	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut	-in	Hours	
Static / Orifice Dynamic Size Property (inches)		0	Circle one: Meter Prover Pressu		Flowing Well Head Temperature Temperatu		Wallbood Proceurs		Tubing Wellhead Pressure $(P_w) \text{ or } (P_i) \text{ or } (P_o)$		Duration (Hours)		id Produced (Barrels)	
Shut-In		_	psig (Pm)	Inches H <sub>2</sub> 0			psig	psia 225	psig	100	24			
Flow	.750	 )	90	2				175		75	24	0		
						FLOW STR	EAM ATTR	IBUTES			<u> </u>	.1		
Plate Coefficient (F <sub>p</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or Iver Pressure pela	Press Extension P <sub>m</sub> xh	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>i1</sub>		ation ctor	Metered Flow R (Mcfd)	W GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
								_						
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>*</sub> )² =	:	(OPEN FLO	OW) (DELIVI		) CALCUL. 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.2	207	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>g</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>g</sub> ) <sup>2</sup>		(F	(P <sub>w</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup> wided by: P <sub>c</sub> <sup>2</sup> - P <sub>s</sub> <sup>2</sup>	LOG of formula 1. or 2. end divide p2.p2		Backpressure Curve Slope = "n"or		n x LOG		Antilog	O De Equal	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				<del></del> ,	-	<u> </u>	<u> </u>							
Open Flo	— w		]_	Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd <b>©</b> 14.65 ps	la.		
				behalf of the			_	ソイナル	make the	above repo	rt and that he ha		riedge of	
			14/14				-44	_	H.J.:	Inc_		RE	CEIVED	
			Witness (if						limb	er E	mpany 175t	JUN	1 2 2 201	

exempt status under and that the forego correct to the best of equipment instal I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator
	is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil reservoir undergoing ER is on vacuum at the present time; KCC approval Docket No is not capable of producing at a daily rate in excess of 250 mcf/D to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>lo-20-11</u>	Signature: Lawell Jang  Title: Vice-President

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.

RECEIVED

JUN 2 2 2011