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

Type Test	t:					(	See Instruc	ctions on Re	verse Side	)				
Op	en Flow	,				Took Dodg				A 0 L P	ua 15			
Deliverabilty				Test Date: 0/27/11				API No. 15 <del>-15-007-20647-0000</del> -15-077-20647-00-00						
Company		ER	ATING CO	MPAI	NY, LLC			Lease McKAIC	 }			A-1	Well Nu	
County Location HARPER 990 FSL & 660 FWL				Section 21		TWP 32S			RNG (E/W) 8W		Acres Attributed			
Field SULLIV	AN E	<b>45</b> ī	_	25	ದ ಬಿದ	Reservoir STALN/				Gas Gath	ering Conn VEST V	ection YICHITH G	5AS (	3ATHERIN
Completion Date 2/12/81					Plug Bac 3762	k Total Dep	oth	Packer Se NONE		et at				
Casing S 2.875	Casing Size Weight 2.875 6.50				Internal I 2.441	Diameter	Set at 3816		Perforations 3636		то <b>3686</b>			
Tubing S 1.500	Tubing Size Weight 1.500 2.75				Internal I	Diameter		Set at 3716		Perforations OPEN				
Type Completion (Describe) SINGLE						Type Fluid Production WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING					
Producing	•	Ann	iulus / Tubing	g)		% C	arbon Diox	ride		% Nitroge	n	Gas G	iravity - (	à <sub>g</sub>
Vertical D							Pres	ssure Taps				(Meter	Run) (P	rover) Size
Pressure	Buildup	: :	Shut in 10/	26/1	1 20	D at		_ (AM) (PM)	Taken_10	)/27/11	20	at	(	AM) (PM)
Well on L	.ine:	;	Started		20	) at		_ (AM) (PM)	Taken		20	at	(	AM) (PM)
							OBSERVI	ED SURFAC	E DATA		,	Duration of Shu	t-in	Hours
Static / Dynamic Property	Size	Orifice Size (inches) Circle ons:  Meter Prover Pressure psig (Pm)		ıre Di	ressure fferential in ches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	emperature Wellhead		Pressure Wellhead Pro ) or $(P_c)$ $(P_w)$ or $(P_1)$ or		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			paig (Fili)		Liles H <sub>2</sub> U			psig 150	psia	psig 70	psia	24		
Flow														
							FLOW STI	REAM ATTR	IBUTES					
Plate Coeffied (F <sub>b</sub> ) (F Mcfd	eient p)	Circle one: Meter or Prover Pressure psia			Press xtension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>tt</sub>		eviation Metered Flo Factor R F <sub>pv</sub> (Mcfd)		ow GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
	•					•		VERABILITY	•				) <sup>2</sup> = 0.2	07
$(P_c)^2 =$		<u>.</u> ;	(P <sub>w</sub> ) <sup>2</sup> =		formula 1 or 2:	P <sub>e</sub> =		_% (F	° - 14.4) +	14.4 =	<u> </u>	(P <sub>a</sub>	) <sup>2</sup> =	<del></del>
$(P_c)^{2} - (P_a)^2$ or $(P_c)^{2} - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1.   2.	P <sub>c</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup> P <sub>c</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup> py: P <sub>c</sub> <sup>2</sup> · P <sub>d</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P.2. P.2	Backpres Slop Slop Ass		n x Le	oe [ ]	Antilog	Del Equals	pen Flow iverability s R x Antilog (Mcfd)
						<u> </u>								
Open Flo	w			М	cfd @ 14.0	65 psia		Deliverab	oility			Mcfd @ 14.65 ps	sia	
			•					•			above repo	irt and that he h		•
ine facts s	stated th	erei	n, and that sa	aid rep	oort is true	and correc	t. Executed	d this the 2		day of	2 11	m D	) · ·	<sub>20.11.</sub> . RECEIVEI
			Witness (	if any)				-	/ <i>i</i> .	vm j	For	Company		DEC 3 0 20
			For Comn	nission							Che	cked by		
													K	CC WICH

exempt status under Ri and that the foregoing correct to the best of m	nalty of perjury under the laws of the state of Kansas that I am authorized to request ule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC pressure information and statements contained on this application form are true and y knowledge and belief based upon available production summaries and lease records in and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a	one-year exemption from open flow testing for the McKAIG A-1
gas well on the ground	
is c	coalbed methane producer ycled on plunger lift due to water source of natural gas for injection into an oil reservoir undergoing ER n vacuum at the present time; KCC approval Docket No of capable of producing at a daily rate in excess of 250 mcf/D
_	upply to the best of my ability any and all supporting documents deemed by Commission orroborate this claim for exemption from testing.
Date: 12/20/11	
	Signature: The Lallage  Title: FIELD MGR.

## 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.