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

Type Test	t:				(	See Instruct	tions on Re	verse Side	)					
Op	en Fic	w			T D	Tool Dolo:								
Deliverabilty						Test Date: 01/22/2015				API No. 15 15-047-21,457 <b>~ 0000</b>				
Company F.G. Holl Company, LLC						Lease HAWLEY					12-13	Well Number 12-13		
County Location Edwards 100' W, of NE NW				Section 13		TWP 24S		RNG (E/W) 17W		Acres Attributed				
Field Massey					Reservoir Fort Rile			Gas Gathering Conn Semgas Gathering				<del>.</del> ,		
Completion Date 12/31/2001				Plug Bac 2370'	k Total Dept	th	Packer Set at		et at					
Casing Size Weight 4-1/2" 10.5#				Internal I	Diameter	Set at 2838'		Perforations 2330' - 2340'		То				
Tubing Size Weight 2-3/8" 4.7#				Internal I	Diameter	Set at 2355'		Perforations		То				
Type Completion (Describe) Single (Gas)				Type Flui	Type Fluid Production			Pump Un Flowin	it or Traveling	Plunger? Yes	Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Tubing					% C	% Carbon Dioxide			% Nitrog	en	Gas Gravity - G			
Vertical Depth(H)						Pressure Taps Flange					(Meter F	Run) (Prover) Size		
	D. H.L		0.4.5	/21/	20_15_at_8		(AM) (PM)	01	1/21/		15 at 8:00	(444) (544)		
Pressure Buildup:		ıp:	รภนะ in 01	t in 20 ted20		15 8:00		такел 	20 )1/22/			(AM) (PM)		
Well on Line:			Started		20 at		(AM) (PM)	Taken_	11661	20	at	(AM) (PM)		
			- · · <u>-</u> · · -			OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n_24Hours		
Static /	Orif	ce Meter Diffe		Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced		
Dynamic Size Property (inche		Prover Pres		iure in	lemperature t	Temperature t	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		(Hours)	(Barrels)		
Shut-In			. , , ,				psig 62	psia	62	, psia				
Flow							48		27		****			
			•	<del></del>	·	FLOW STR	REAM ATTR	IBUTES				<del> </del>		
Plate			Circle one:	Press	Grav	rity	Flowing	Devi	iation	Metered Flov	v GOR	Flowing		
Coeffiecient (F <sub>b</sub> ) (F <sub>c</sub> )		Meter or Prover Pressure		Extension	Fac F	tor	Temperature Factor	Fa	ctor	R	(Cubic Fee Barrel)	/ Fluid Gravity		
Mcfd			psia	✓ P <sub>m</sub> xh			Fn		F <sub>pv</sub> (Mcfd)		Dallely	G <sub>m</sub>		
								_						
(P <sub>o</sub> ) <sup>2</sup> =			/D \2	=:	(OPEN FL	OW) (DELIV		) CALCUL P 14.4) +			(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.207		
				Choose formula 1 or	2:		1	ssure Curve			(1 9)	Open Flow		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or		(F	P <sub>0</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>0</sub> <sup>2</sup> -P <sub>0</sub> <sup>2</sup>	LOG of formula		Slo	pe = "n" - or	n x LOG		Antilog	Deliverability		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		di		2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P	and divide		As	signed lard Slope			Ů	Equals R x Antilog (Mcfd)		
					<u>*                                     </u>	<u> </u>								
						_								
Open Flo	w			Mcfd @ 14	l.65 psia		Deliverat	oility			Mcfd @ 14.65 psi	a		
The	unders	igne	d authority,	on behalf of the	Company,	states that h	ne is duly a	uthorized to	o make th	e above repo	ort and that he ha	s knowledge of		
the facts s	tated f	here	in, and that	said report is tr	e and correc	t. Executed	this the 2	9th	day of _Ja	anuary		,20 <u>15</u>		
						1700 U	8110111	3~ ∧		were	SS Mar	سعاب		
			Witness	(if any)		<del>KCC</del> v	VICH!	1.5-1		For	Company	7		
			For Cor	nmission		FEB 0	2 2015			Che	cked by			
						REC	EIVED	)						

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator F.G. Holl Company, LLC
and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation 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 HAWLEY 12-13 gas well on the grounds that said well:
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  ! further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date: 01/29/2015
FEB 0 2 2015 RECEIVED Signature:

## 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.