## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:		-,			(See Instruc	tions on Rev	erse Side)	•				
Op	en Flow				Tool Date	_			ADLA	lo 15			
✓ Deliverabilty					Test Date: 02/04/2013 - 02/05/2013				API No. 15 15-047-20,147 <b> 0000</b>				
Company					<u> </u>	2010 02	Lease					Well Number	
F.G. Holl Company, L.L.C.					HAMMEKE							1-10	
County Location				Section		TWP	, ,		V)	Acres Attributed			
Edwards C E/2 SE SE				10		24S							
Field				Reservoir				Gas Gathering Conne					
Embry Ext.				Mississ	c Total Depth		<del></del>	Semgas Gatherii Packer Set at		ny L.L.C.			
Completion Date 04/28/1974				4279'	t lotal Depti	ı	None		al al				
Casing Size Weight			Internal Diameter		Set at		Perforations		То				
4-1/2"	- 3					4277'		4190' - 4208'					
Tubing Si	Tubing Size Weight			Internal Diameter		Set at		Perforations		То			
2-3/8" 4.7#				418									
Type Completion (Describe)					Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No					
Gas				Water				Pump		<u>-</u>			
Producing Thru (Annulus / Tubing)					% Carbor	% Carbon Dioxide			% Nitroge	ın	Gas Gra	Gas Gravity - G	
Tubing	41.04					Dense	T				(Motor D	un) (Prover) Size	
Vertical D	epth(H)					Pressure Taps Flange					(Meter R 2"	un) (Prover) Size	
			0010	410040			ge						
Pressure	Buildup:	Shui	tin <u>02/0</u> 4	4/2013 <sub>19</sub>	at _8:	:00	(AM) (PM)	Taken C	2/04/20	13 <sub>19</sub>		(AM) (PM)	
Well on L	ine <sup>.</sup>	Start	ed 02/05	5/2013 19	at 8:	:00	(AM) (PM)	Taken 02	2/05/201	319	at 8:00	(AM) (PM)	
		———					( un) ( m)						
						OBSERVE	D SURFACI	DATA			Duration of Shut-	in24 Hou	
01-41-1	ic / Orifice Circle one: Pressure		Flowing Well Head		Casing		Tubing						
Static / Dynamic	mamic Size Meter or			Differential	Temperature Temperature		Wellhead Pressure		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )  psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Property inches		Prover Pressure psig		in (h) Inches H,0	t	t					(Flodis)	(Dallets)	
Shut-In			· · ·			<del> </del> -	220	psra	150		24	<del></del>	
				<del> </del>		<del> </del> -	220		130	<del> </del> -		<del> </del>	
Flow													
						FLOW STR	REAM ATTR	BUTES					
Plate Circle one: Press			6						COR	Flowing			
Coeffiecient			er or	Extension	Gran Fac	, ,	Temperature	l Fa		Metered Flor	w GOR (Cubic Fe	et/ Fluid	
(F <sub>b</sub> ) (F Mofd	ν 6 / ν 6 /		Pressure sia	š P <sub>m</sub> x H <sub>w</sub>	F		Factor F <sub>rt</sub>	Fpv		(Mcfd)	Barrel)	Gravity G <sub>m</sub>	
Wicig					<del>- </del>		' N						
					(OPEN FL	OW) (DELIV	ERABILITY	CALCUL	ATIONS		/D \	<sup>2</sup> = 0.207	
(P <sub>c</sub> ) <sup>2</sup> =		•	(P <sub>w</sub> ) <sup>2</sup> =_	:	P <sub>d</sub> =		% (F	) - 14.4) +	14.4 ≃	;	(P <sub>d</sub> )		
(' c/		·		hoose formula 1 or 2.			1	<u> </u>			1		
(P <sub>c</sub> )²-(	P_)2	(P) <sup>2</sup>	(P <sub>w</sub> ) <sup>2</sup>	1. P <sup>2</sup> -P <sup>2</sup>	LOG of			ssure Curve be = "n"	n x L	00		Open Flow Deliverability	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. P. 2. P. 2	1. or 2.	1. or 2.		or signed	-   "^`	.00	Antilog	Equals R x Antilog Mcfd	
			di	vided by: $P_c^2 - P_w^2$	and divide by:	P <sub>c</sub> <sup>2</sup> - P <sub>2</sub> <sup>2</sup>	Standard Slope						
										·····			
							<del>                                     </del>			<del></del>	<del> </del> -	<del> </del>	
Open Flo	AI		<u> </u>	Mcfd @ 14.6	5 nsia		Deliverabil	itv			Mcfd @ 14.65 psi		
		-		<del></del>	<u> </u>						<u></u> -		
The	undersig	ned au	thority, on b	ehalf of the C	ompany, sta	ites that he is	s duly author	ized to ma		- /1	d that he has know	/ledge of the facts	
stated the	rein, and	that sa	eid report is	true and corre	ect. Execut	ed this the _	4th	day o	r <u> </u>	Varci	人	18 20/3	
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			1654m 2'4	anu)				t. G.	1101	1 COW	1 DANY,	LLC	
			Witness (if	arry)				Ral	r Handara	۔ د	Outripany /	RECEIV	
			For Commis	ssion			-	1104	iecc ci	Che	ocked by		
												MAR n.5	

KCC WICHITA

exer and the I tion	I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request mpt status under Rule K.A.R. 82-3-304 on behalf of the operator F.G. Holl Company, L.L.C.  that the foregoing information and statements contained on this application form are true and correct to best of my knowledge and belief based upon gas production records and records of equipment installa-and/or of type completion or upon use of the gas well herein named.  I hereby request a permanent exemption from open flow testing for the HAMMEKE 1-10 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
Date	is incapable of producing at a daily rate in excess of 250 mcf/D  e:03/04/2013
	Signature: <u>Lebecco Jeorge</u> Title: Landman

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.

MAR 05 2013

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