KCC WICHITA

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

Type Tes	t:		-				(See Instru	ctions on Re	verse Side	)			•			
Or	en Fl	ow														
Deliverabilty						Test Date:				API No. 15						
						01/20/	01/20/2011 - 01/21/2011				15-047-21,235 - 000					
Company F.G. Holl Company, L.L.C.							Lease BREITENBA						Well Number 1-19			
County Location					Section		TWP	RNG (E/W)				Acres Attributed				
Edwards NE NE SE					19				16W				,			
Field					Reservoi	Reservoir			Gas Gathering Connection			$\overline{}$				
Embry Ext.					Missis	Mississippi						Semgas Gathe				
Completion Date				-	Plug Back Total Depth			Packer Set at				0				
01/09/1985				4427'		<del></del>	None									
_	asing Size Weight				internal [	Diameter				rations		То				
4-1/2"					<del>.</del>		4440'		4'- 4322'							
Tubing Si 2"	z <del>e</del>		Weig 4.7#			Internal C	Diameter				rations		То			
Type Con	nletio	n (De				Timo Elui	429							Ma		
Single			scribe			Type Flui	Type Fluid Production			Pump Unit or Traveling Plung Pump Unit				jer? Yes / No		
<del></del>	<u>.                                      </u>	<u></u>	ulus / Tubin	a)		% Carbo	% Carbon Dioxide			% Nitrogen			Gas Gravity - G			
Tubing	,			57			, 2 , 5 , , , , ,			70 THIT OG		Gas Gravity • Gg				
Vertical D	epth(l	1)	<u> </u>				Press	ure Taps					(Meter Ru	ın) (Pm	ver) Size	
To hook or opinion							Flange						2"	s.i, (i ,o	101) 0120	
			01	/20	/2011	Q.				1120120	.11				<del></del>	
Pressure	Buildu		Shut in 01					(AM) (PM)	Taken	1/20/20	19		8:00	(/	AM) (PM)	
Well on Li	ine:	S	tarted 01	/21/	<u>/2011 <sub>19</sub></u>	at _9:	:00	(AM) (PM)	Taken 0	1/21/20	1119	at .	9:00	(	AM) (PM)	
								· / /						`	, (,	
							OBSERVE	D SURFAC	E DATA			Duration	of Shut-i	n 24	Hours	
Static /	Orifice Circle one: Pre		Pressure	Flowing Well Head Temperature Temperatu		Wallband Draceura		1	ubing							
		ize Prover Pres								Wellhead Pressure		Duration (Hours)		Liquid Produced (Barrels)		
Property	inch	inches psig		Inches H <sub>2</sub> 0		t	t		psia	(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		(Hours)		(Carrers)		
Shut-In								psig 92	P.S	45	Para	24	24		<del> </del>	
			<u> </u>					32		45		24	<del></del>	-		
Flow								L		1				•		
	_						FLOW STR	REAM ATTR	IBUTES							
Plate		Circle one:		Press		<u></u>	Gravity						v GOR (Cubic Feat/ Barrel)		Flowing	
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia		Extension Š P <sub>m</sub> x H <sub>w</sub>		Fac		Flowing Temperature		iation ctor					Fluid	
						F,	,	Factor F <sub>ri</sub>		ρν					Gravity G_	
				+		<del></del>		. 11	<del></del>							
				<u>.l</u>	_											
						(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS			(D.)2	- 0.20		
(P <sub>e</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup>	=	:	P <sub>d</sub> =		% (F	- 	14 4 =			(P <sub>a</sub> )²	= 0.20	14	
· •/	Ī		<u>`</u>	Cho	ose formula 1 or 2:	<del></del>		1								
(P <sub>e</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P.2-P.2		LOG of formula			ssure Curve pe = "n"	n x LOG					Open Flow Deliverability	
or (P <sub>r</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>				2	2. P <sub>c</sub> 2 - P <sub>d</sub> 2	1. or 2. and divide	1. or 2.		or Assigned		" ^ 200		Antilog		R x Antilog	
· ¢/ · d/		dh		divid	ed by: Pc2 - P2	by:			Standard Slope						Mcfd	
	- 1										•					
	-						····	<del> </del>		<del>  -</del>			<del></del>			
								<u> </u>								
Open Flow	,			1	Mcfd @ 14.6	5 psia	psia Deliverabili			Mcfd (			② 14.65 psia			
71									,							
ine u	naersi	gned	autnority, o	ı Del	nair of the Co	ompany, stal	es that he is			0	ve report and	that he h	as knowl	edge of	the facts	
tated there	ein, an	d tha	t said report	is tr	ue and corre	ct. Execute	d this the _	<u>əs 14</u>	day of	199	nuan		<u> </u>	, 19	) <u> </u>	
										1	10000	-c M	<b>n</b>			
-			Witness	(if any	·)			-			For	Company	P	rye		
				•							. 37 (	,	-	-111	ECEIVED	
			For Com	missio	on .		<del> </del>	-			Chec	ked by				
														7	N 27 20 <sup>.</sup>	

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to exempt status under Rule K.A.R. 82-3-304 on behalf of the operator F.G. Holl Company, L.L.C. and that the foregoing information and statements contained on this application form are true and the best of my knowledge and belief based upon gas production records and records of equipmention 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 BREITENBACH M. 1-19	correct to
gas well on the grounds that said well:  (Check one)  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 incapable of producing at a daily rate in excess of 250 mcf/D	
Date: 01/25/2011  Signature: Loveness Mpanje  Title: Petroleum Geologist	

## 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.