KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				1	(See Instruc	tions on Re	verse Side))				
Ot	en Flov	,											
✓ Deliverabilty			Test Date: 02/24/2013 - 02/25/2013					API No. 15 15-185-23,170-00-00					
Company				·-···	02/24/2	2013 - 02	Lease			J-10J-2J, 1		Vell Nu	mher
		mpa	ny, L.L.C				OSBC	RNE				-17	ilbei
County Location			Section				RNG (E	/W)	-	cres At	tributed		
Stafford NW NW			17		21S		14W						
Field					Reservoir				Gas Gat	hering Conne	ction		
John-Drew					Red Ea	agle		Semgas Gatherin			ng L.L.C.		
Completion Date					_	Total Depth	1		Packer S	Set at			
01/10/2003 2730'													
Casing S 4-1/2"	ize	Weight 10.5#			Internal Diameter		Set at 2772.51'		Perforations 2387' - 2420'		То		
					Internal Diameter		Set at		Perforations		То		
2-3/8"	Tubing Size Weight 2-3/8" 4.7#		ı	internal D	iametei	242		renorations		10			
Type Con	noletion	(Des			Type Fluid	d Production			Pumo U	nit or Traveling	Plunger? Yes /	No	
Single	•	(200.			Water				None		, conguer too ,		
	<u> </u>	Annul	us / Tubing)		% Carbor	Dioxide		% Nitrogen			Gas Gravity - G		
Tubing					0.11				17.72		0.683		
Vertical D				··		Pressi	ure Taps				(Meter Ru	ın) (Pro	ver) Size
											2"		
			nut in _02/2	24/2013	at_8:	00	(4.1.4) (20.4)	-	02/24/20)13 40	at 8:00		
Pressure	Buildup						(AM) (PM)	iaken		19		(AM) (PM)
Well on L	.ine:	Sta	arted <u>02/2</u>	25/2013 19)at _9:	UU	(AM) (PM)	Taken _0	1/25/20	<u>13</u> 19	at _9:00	(AM) (PM)
				·		OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n 24	Hours
Static / Orifice Dynamic Size Property inches		e	Circle one: Press Meter or Differe		Flowing	Well Head	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)				Duration	Liquid Produced (Barrels)	
		e Prover Pressur		I	Temperature t	Temperature t					(Hours)		
Property	inche	s	psig	Inches H ₂ 0			psig	psia	psig	psia			
Shut-In	1						100				24		
5 1.	 	\dashv		 			<u> </u>					<u> </u>	
Flow							!			<u> </u>	l		
				г-	1	FLOW STE	REAM ATTE	RIBUTES					
Plate	1			De	viation	Metered Flo	w GOR		Flowing				
Coeffiecient (F _b) (F _a)		Meter or Prover Pressure		Extension	Faci	or ţ	Temperature Factor		actor	R	(Cubic Fee	et/ Fluid Gravity	Gravity
Mcfo			psia	š P _m x H _w	F	·	Fn		Fpv	(Mcfd)	Barrel)		G_
					1								
				L <u></u>					-	Ì			
					(OPEN FL	OW) (DELIV	ERABILITY	') CALCUI	LATIONS			= 0.20	07
(P _c) ² =	 	_:	(P _w) ² =	: <u></u>	P _d =	··	% (P _c - 14.4)	+ 14.4 = _	:	(P _d) ²	=	
(0.32.7	D 12	(D.)	N2 (ID)2	Choose formula 1 or 2	LOG of			essure Curv	e	٢٦		Ор	en Flow
(P _c) ² - (P.).	(P _c))² - (P _w)²	1. P _c ² -P _c ²	formula		Sic	pe = "n" - cr	п×	LOG	Antilog		verability
(P _c) ² - (P_) ²			2. P _c ² -P _d ²	1, or 2. and divide	P _c ² -P _w ²		signed					R x Antilog Mcfd
				divided by: P2-P	2 by:	느 그	Stant	dard Slope					
1							<u></u>						
							1						
Open Flor				Mcfd @ 14.6	S pela		Deliverabi	litu	<u> </u>		Mcfd @ 14.65 psia		
Open Flor													
The	undersig	ned a	authority, on	behalf of the C	ompany, sta	tes that he is					d that he has know	ledge o	f the facts
stated the	rein, and	i that	said report	is true and corre	ect. Execute	ed this the _	1+	<u>术</u> day d	of A	m1, 2	७ १३	, 1	9
										eries	~~	سا ہ	•
			Witness (f any)	1321	RE IBAS CORPO	ECEIVED Veation co	MOISSIMM	<u> </u>		Company	. D.	
			·		KA	iomo Guturu	MACION OD	ANAISA MASA				_	
			For Comr	nission		AMP	4 0 20	12		Che	eckad by		

APR 1 8 2013

I declare under penalty or perjury under the la exempt status under Rule K.A.R. 82-3-304 on beha	aws of the state of Kansas that I am authorized to request If of the operator F.G. Holl Company, L.L.C.
	s contained on this application form are true and correct to
the best of my knowledge and belief based upon	gas production records and records of equipment installa-
tion and/or of type completion or upon use of the	·
I hereby request a permanent exemption from o	ppen flow testing for the OSBORNE 1-17
gas well on the grounds that said well:	
(Charle and)	
(Check one) is a coalbed methane produce	r
is cycled on plunger lift due to	
	njection into an oil reservoir undergoing ER
	ne; KCC approval Docket No
	daily rate in excess of 250 mcf/D
Date: 04/17/2013	
Date. OWALLER	
	1
Signatu	re: Loveness Mpanji
Tit	le: 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.

KANSAS CORPORATION COMMISSION

APR 1 8 2013

CONSERVATION DIVISION WICHITA, KS