KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				•	(See Instruc	tions on Reve	rse Side)					
Ор	en Flov	N			Test Date				ΔPI #	No. 15			
✓ Deliverabilty					02/01/2013 - 02/02/2013					39 - 0000			
Company F.G. Holl Company, L.L.C.				· · ·	Lease IRMA-SMITH						Well Nur 2-10	nber	
County Location Stafford SW NE SW				Section 10		TWP 24S		RNG (E/W) 15W		Acres Attributed			
Field					Reservoir				Gas Gath	ering Conne	ction		
Macksy	ille E	ast			Viola	Viola			Lumen Energy				
•				Plug Back	Plug Back Total Depth			Packer S	et at				
12/11/1990 Casing Size Weight			Internal D	Internal Diameter Set at			Perfor	То					
4-1/2" 10.5#			<u> </u>		4186		4018' - 4057'						
Tubing Size Weight 2-3/8" 4.7#			Internal D	Internal Diameter Set at 3996'			Perfor	ations	То	To			
Type Com	pletion	(De				d Production			•	-	Plunger? Yes /	No	
Single (Gas)					SW			Pump Unit			 _		
	Thru	(Алл	ulus / Tubing)		% Carbor	n Dioxide			% Nitroge	en	Gas Gra	ivity - G	g
Tubing Vertical D	enth(H	١				Pressi	ure Taps				(Meter R	un) (Pro	over) Size
Vertical D	cpuiţii	,				Flan	•				2"	u, (10., 2.23
Pressure	Buildur	o: S	Shut in 02/0	1/2013	at 8:		(AM) (PM) T	aken 0	2/01/20	13 19	at 8:00	(AM) (PM)
Well on Li	,			2/2013 19			(AM) (PM) T		2/02/201	13 19	at 8:00		AM) (PM)
					·	OBSERVE	D SURFACE	DATA			Duration of Shut-	_{in} 24	Hours
Static / Orific		Meter or		Pressure Differential	Flowing Temperature	Well Head Temperature	wellhead Pressure		Tubing Wellhead Pressure		l '		d Produced
Property	inche	nches Prover Press.		in (h) Inches H ₂ 0	t	t	(P _w) or (P _t) or (P _c		(P _w) or psig	(P _t) or (P _c)	(Hours)	(1	Barrels)
Shut-In				-			130		25		24		
Flow				<u> </u>									
						FLOW STR	EAM ATTRIE	UTES	L				
Plate Coeffiecient (F _b)(F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension Š P _m x H _w	Grav Fac	tor	Flowing Temperature Factor F ₁₁		lation ctor	Metered Flor R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
							· · · · · · · · · · · · · · · · · · ·	L					
/D \2 =			(D \2 =		-		ERABILITY) (% (P_					2 = 0.20 2 =	07
$(P_e)^2 = {(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$		(P _c) ² · (P _w) ²		hoose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² ivided by: P _c ² - P _d ²	1, P _c ² -P _a ² LOG of formula 2, P _c ² -P _d ² 1, or 2, and divide		Backpress Slope o Assig	2 - 14.4) + 14.4 = ssure Curve be = "n"		.og []	Antilog	Open Flow Deliverability Equals R x Antilog Mcfd	
					<u></u>		<u> </u>						
Open Flov	<u> </u>		·	Mcfd @ 14.6	5 psia	psia Deliverability			Mcfd @ 14.65 psia				
		•	•	pehalf of the C		ed this the _	154	day of	M	arch	that he has know	, 1	
			Wilness (if	an <mark>y)</mark>		RE	CEIVED	Ro	سرطر مرار مبرطر	For	any, LC Company, LC Company		
•			For Commi	ssion		MAF	R 04 201	3 ()	~ <u> </u>	Che	cked by		

exemple and that the bes tion and I he	eclare under penalty or perjury under the laws of the state of Kansas that I am authorized to request a status under Rule K.A.R. 82-3-304 on behalf of the operator F.G. Holl Company, L.L.C. at the foregoing information and statements contained on this application form are true and correct to st of my knowledge and belief based upon gas production records and records of equipment installad/or of type completion or upon use of the gas well herein named. Bereby request a permanent exemption from open flow testing for the IRMA-SMITH 2-10
gus we	(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: _	03/1/2013
	Signature: Landman Langer

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 dataset the side as though it was a verified report of test results.

MAR 0 4 2013

KCC WICHITA