Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:					(See Instruc	tions on Reve	erse Side,) .		•		
Ор	en Flo	~											
De	liverab	ilty			Test Date 01/26/2	: 2014 - 01 <i>i</i>	/27/2014			No. 15 5-047-21 ,4	40-0000		
Company F.G. Holl Company, L.L.C.					Lease J.H. CROSS						Well Nur 2-22	nber	
County Location			Section TWP			*	RNG (E.	(W)	-	Acres At	tributed		
Edwards 60' w. C S/2 NW			22		24S		17W						
Field				Reservoir				Gas Gathering Connection					
Wayne Winfield Semgas Gathering L.L Completion Date Plug Back Total Depth Packer Set at							ng L.L.C.						
12/08/9			2364'					***					
_		-		Internal D	Internal Diameter					То			
Tubing Siz	ze		Weight		Internal D	iameter	Flowing						
Type Com					Type Flui	d Production				•	Plunger? Yes	No No	
Single (Gas) Producing Thru (Annulus / Tubing)			% Carbor	% Carbon Dioxide						avity - G			
Tubing	, iiiia	(, ,,,,,	alas / Tabing/		70 Odi 001	DIOXIGO			70 THILOG	CIT	Oas Oi	avity - O	3
Vertical D	epth(H)				Pressu	ıre Taps		·-····································		(Meter F	lun) (Pro	ver) Size
						Flan	ge				2"		
Pressure	Buildup	o: \$	Shut in 01/26	5/2014 ₁₉	at	00	(AM) (PM) 1	aken C	1/26/20	19	at 8:00	(<i>F</i>	λM) (PM)
Well on Li	fell on Line: Started 01/27/2014 19 at 8:00 (AM) (PM) Taken 01/27/2014 19 at 8:00 ((AM) (PM)					
					,	OBSERVE	D SURFACE	DATA			Duration of Shut-	in <u>2</u> 4	Hours
Static /	Orific Size		Circle one: Meter or	Pressure Differential	Flowing	Well Head	Casir Wellhead P	•		rubing ad Pressure	Duration	Liquid	Produced
Dynamic Property	inche		Prover Pressure psig	in (h) Inches H ₂ 0	Temperature t	Temperature t	(P _w) or (P _t)	or (P _c)		verifieed Pressure (P _w) or (P ₁) or (P _o) psig psia		(B	arrels)
Shut-In							305	Post	121		24		
Flow	,						221		24				
,						FLOW STR	EAM ATTRIE	BUTES					
Coeffieci	Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or ver Pressure psia	Press Extension Š P _m x H _w	Grav Fact	tor	Flowing Femperature Factor F _{rt}	mperature Factor F		Metered Flow R (Mcfd)	y GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m
				*.									
	L				(OPEN FLO	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	· · · · · · · · · · · · · · · · · · ·	(P)	² = 0.20	
(P _c) ² =		_:	(P _w) ² =_	:·	P _d =	9	% (P _c	- 14.4) +	14.4 =	:		2 =	
(P _c) ² - (F or (P _c) ² - (F		(P	(c) ² - (P _w) ²	noose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_a^2$	LOG of formula 1, or 2, and divide	P _c ² -P _w ²	Slope	or gned	n x I	LOG	Antilog	Deliv Equals	en Flow rerability R x Antilog Mcfd
			- ON	mad by. Fc - Fw	5).		Startua	- Olope					
		•								- "			
Open Flow	,			Mcfd @ 14.6	5 psia		Deliverability	,			Vlcfd @ 14.65 psi		
			authority, on b	ehalf of the C	ompany, stat			ed to ma	_		that he has know		the facts
							~~ \A/14	LIT	, 1	ever	less of)pa	~lu
			Witness (if a	ny)			CC WIC			For C	Company	J	0
			For Commis	sion			EB 03	2014		Chec	ked by		

exempt status und and that the foreg the best of my kno tion and/or of type I hereby reque	er penalty or perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operatorF.G. Holl Company, L.L.C. oing information and statements contained on this application form are true and correct to owledge and belief based upon gas production records and records of equipment installate completion or upon use of the gas well herein named. The state of Kansas that I am authorized to request error and the state of th
(Check	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: 01/31/201	Signature:

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. **KCC WICHITA**

FEB 03 2014

RECEIVED