Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:					(See Instru	uctions on Rev	erse Side)					
Ор	en Flo	w											
√ De	liverab	ilty			Test Date	Test Date: 01/28/2014 - 01/28/2014				API No. 15 15-047-21, 418-0000			
C					01/2//2	2014 - 0	1/20/2014 Lease		13	-047-21, 4		A/a/1 N	
Company F.G. Ho		mpa	any, L.L.C				SHART	Z				Nell Number -12	
County Location			Section TWP			RNG (E/W)			Acres Attributed				
Edwards SE SE SW			12		24S		17W						
Field					Reservoir					hering Conne			
Enlow-l						ley & Flo				as Gatherii	ng L.L.C.		
Completic 04/28/2		•			Plug Back 2840'	Total Dep	oth		Packer S None	Set at			
Casing Si	-		Weigh		Internal D	iameter	Set at			rations	То		
4-1/2"			10.5#		memar brameter		2871'		2319-2326		2369-72, 2382-84		
Tubing Size			Weigh	Weight		Internal Diameter		Set at		rations	То		
2-3/8"													
Type Con Commi					Type Fluid	d Production	on			nit or Traveling ing unit	Plunger? Yes /	No	
			ulus / Tubing)	% Carbor	Dioxide			% Nitrog		Gas Gra	avity - G	
Tubing	,	(,					74	, -, .		, , , ,	
Vertical D	epth(H)				Pres	sure Taps				(Meter Ri	un) (Prover) Size	
						Fla	inge				2"		
Pressure	Buildu	o: {	Shut in 01/	27/2014	at 8:	00	(AM) (PM)	Taken 0	1/27/20)14 19	at 8:00	(AM) (PM)	
				28/2014					1/28/20				
Well on L	ine:	٥	tarted		at		_ (AM) (PM)	iaken _ <u>~</u>	1720720	19	at	(AM) (PM)	
						OBSERV	ED SURFACE	DATA			Duration of Shut-i	n 24 Hours	
Static /	Orifi	re	Circle one:	Pressure	Flowing	Well Head	Casi	 ng		Tubing			
Dynamic	Siz	е	Meter or Prover Pressi	Differential ure in (h)	Temperature	Temperatu	\Λ/ellhead F		ł	ead Pressure r (P,) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Property	inch	es	psig	Inches H ₂ 0	t	t	psig	psia	psig	psia	(**************************************	(50.15.5)	
Shut-In							106				24		
Flow							24						
					L.,	FL OW ST		BUTES					
	T		Circle one:	<u> </u>		FLOW SI	REAM ATTRI	BUIES					
Plate Coeffiec			Meter or	Press Extension	Grav Fact	- 1	Flowing Temperature)	ation	Metered Flov		Flowing Fluid	
(F _b) (F	_p)	Pro	ver Pressure psia	š P _m x H _w	F		Factor	1	ctor	R (Mcfd)	(Cubic Fee Barrel)	Gravity	
Mcfd			psia				F _{ft}	-	r ·			G _m	
					(OPEN FLO	OW) (DELI	IVERABILITY)	CALCUL	ATIONS		(P)²	= 0.207	
(P _c) ² =		_:	(P _w) ² =	::	P _a =		_% (P,	- 14.4) +	14.4 =		(P _a) ²		
(5.)2 (13 (5.13	Choose formula 1 or 2	i		Backpres	sure Curve		Γ ¬ .		Open Flow	
(P _c) ² - (F	a)2	(1	c)2 - (P _w)2	1. $P_c^2 - P_a^2$	LOG of formula		, ,	e = "n" or	n x	LOG	Antilog	Deliverability	
(P _c)²- (F	² ₀)²			2. P _c ² -P _d ²	1. or 2. and divide	P _c ² -P _w ²	Ass	igned rd Slope	- 1		, and the second	Equals R x Antilog Mcfd	
				divided by: P _c ² - P _w	by:	<u> </u>	Janua	- Siope					
Open Flov	v			Mcfd @ 14.6	5 psia		Deliverabilit	у			Mcfd @ 14.65 psia		
Thou	ındara;	2224	authority or	hoholf of the C	omnony stat	so that ha	in duly outland		مام مماد میا				
		_	•		-		as anily anthori	zea to ma		•	I that he has knowl	edge of the facts	
stated ther	ein, an	d tha	it said report	is true and corre	ect. Execute	d this the	رىرى	day of	1	anva	A SOIL	19	
						:	KCC 14/1	דועטן	- <u>,</u> (wen	285 m	oga li	
			Witness (if any)			KCC W	IONI	/ \	For	Company	1	
			For Com	mission			FEB 0-3	2014		Chor	ked by	-	
										Cile			

RECEIVED

I declare under penalty or perjury under the laws of the state of Kansas that I am authorized to request
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 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 gas well herein named.
I hereby request a permanent exemption from open flow testing for the SCHARTZ 9-12
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:01/31/2014
Signature: Laveness hardens 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.

FEB 03 2014