Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:						(See Ins	truc	tions on Rev	verse Side)						
Ор	en Flo	w				Test Date					ADI	No.	15				
✓ De	liveral	bilty						01/	/21/2011				. 15 17-21, 41	8-0	000		
Company					•	0 1/20/1		<u> </u>	Lease						· · · · · · · · · · · · · · · · · · ·	Vell Nu	nber
F.G. H	oll Co	omp	any, L.L.C) .					SHAR	TZ					9	-12	
County			Loca			Section	•		TWP		RNG (E	- (W)			,	cres At	tributed
Edward	s		SE S	E S	<u>SW</u>	12			248		17W		 				
Field Enlow-i	Mass	sey				Reservoir Fort Ri		lor	ence		Gas Gat	theri	ing Connec		Eath	en	Luc
Completio		е				Plug Bad	k Total D	epth	1		Packer		at U		•		···
04/28/2						2840'					None						
Casing Si 4-1/2"	ze		Weig 10.5			Internal C	iameter		Set a 287		Perfo		ons 2326		то 2369-	72 22	82-84
Tubing Si	7 0	_	Weig			Internal D	iameter		Set a		Perfo				To	72, 20	02-04
2-3/8"									••••	.•							
Type Con	pletio	n (De	scribe)			Type Flui	d Produ	ction)		Pump U	lnit ç	Traveling	Plun	ger? Yes /	No	_
Commi																	
Producing	Thru	(Ann	ulus / Tubinç	1)		% Carbor	n Dioxide)			% Nitrog	gen			Gas Gra	avity - G	9
Tubing																	
Vertical D	epth(H	1)							ure Taps						•	un) (Pro	ver) Size
								lan	ge					····-	2"		
Pressure	Buildu	p: \$	Shut in 01	20/	/2011 19	9at _8:	:00		(AM) (PM)	Taken {	1/20/20	011	19		at 8:00	(AM) (PM)
Well on Li	ne:	s	tarted 01	21/	<u> 2011 ₁₉</u>	at 8:	00		(AM) (PM)	Taken 0	1/21/20)11	19		at	(AM) (PM)
							0000	——	D 611DEA01							_ 24	
· · · · · ·			Circle one:	- 1	Pressure	· · · · · · · · · · · · · · · · · · ·	OBSE	KVE	D SURFACI		T	Tubi		Dura	ation of Shut-	<u>n</u>	Hours
Static / Dynamic	Orifi Siz		Meter or		Differential	Flowing Temperature	Well He Tempera		Wellhead	-	•		ng Pressure		Duration	Liquid	Produced
Property	inch		Prover Press psig	ure	in (h) Inches H,0	t	t	1010	(P _*) or (P			or (P) or (P _c)		(Hours)	(E	arrels)
Shut-In			ps.g		1110103 1120	<u>.</u>			psig 130	psia	psig	-+	psia	24			
0/101-111							<u> </u>		130		<u> </u>			24			
Flow																	
							FLOW	STR	EAM ATTR	IBUTES							
Plate			Circle one:	Т	Press	Grav	/itv		Flowing	Do	iation		Metered Flov	.	GOR		Flowing
Coeffieci		Meter or Prover Pressure		İ	Extension	Fact	tor	Temperature			ector			(Cubic Fe		ov	Fluid
(F _b) (F Mcfd	'	psia			š P _m x H _m	F.		Factor F _n		ſ	F _{pv}		(Mcfd)		Barrel)		Gravity G_
				+							-			_			
				J								J			<u> </u>		
						(OPEN FL	OW) (DE	LIV	ERABILITY;) CALCUL	ATIONS				(P _a) ²	= 0.20)7
(P _e) ² =		<u>:</u> :	(P _w) ²		:	P _d =		°	% (F	_c - 14.4) +	14.4 = _		<u>:</u>		(P _d) ²	=	
(P _e)² - (F	, ,2	(P	_)² - (P_,)²		osa formula 1 or 2. 1. P _e 2 - P _e 2	LOG of	Γ	_		ssure Curve			Γ٦I			Ор	en Flow
or		(' ' ' '			2. p² p²	formula 1, or 2,		1 I		or	пх		LOG		Antilog	Deliverability Equals R x Antilog	
(P _e)²- (F	,°),				ed by: $P_a^2 - P_a^{-2}$	and divide	P.2-P.	2		signed ard Slope]		LJ				Modd
··········					/: c · w	<u> </u>				· · · · · · · · · · · · · · · · · · ·		•	• • •				
									ļ								
										_							
Open Flow	,			J	Mcfd @ 14.6	5 psia			Deliverabili	ity			N	Mcfd	@ 14.65 psia	ı	
						•									-		
The u	ndersi	gned	authority, or	ı bel	half of the Co	ompany, stat	tes that	ne is	~Pl		~		•	i that	he has know	ledge of	the facts
stated there	ein, an	d tha	t said report	is tr	rue and corre	ect. Execute	d this th	e	DS 11	🔼 day o	f	11	ισαρ	-}-	2011	, 1	·——.
											(8	3 /	en	, ,	c M	1.~	50 la
			Witness	(if any	y)				_			~	For C	Сопра	ny	ם יום	CE
								_	_							77.	CEIVED
			For Com	missi	on								Chec	ked b	,	JAN	2 7 2011

KCC WICHITA

	eclare under penalty or perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator F.G. Holl Company, L.L.C.
and the the be tion an	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 installated/or of type completion or upon use of the gas well herein named. Bereby request a permanent exemption from open flow testing for the SCHARTZ 9-12
gas 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: _	O1/25/2011 Signature: Laveness Myanje 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.