KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(See Instruc	tions on Rev	erse Side))					
Op	en Flo	w			.				4.50					
✓ Deliverabilty					Test Date: 02/21/2014				API No. 15 15-047-21,229 ~ 0000					
Company	 /				<u> </u>		Lease			0 0 11 2 1,2		Nell Num	ber	
F.G. Holl Company, L.L.C.				LUNZ "A"						1-21				
County Location Edwards SE SE NW			Section				RNG (E	(W)	,	Acres Attr	ributed			
Field	18	•	SE SI	= 1/1/1/	21 Reservoir	r	245		16W	hering Conne	ction			
Embry			Kinderhook/Mississippi				Sem Gas Gathering L.L.C							
Completion	on Dat	е				k Total Depti			Packer S	Set at	O 4377,C, 1	5 '		
12/18/1	1984													
Casing S 4-1/2"	asing Size Weight		Internal Diameter		Set at 4416 '		Perforations 4271'-4330'		То					
Tubing Si			Internal Diameter		Set at		Perforations		То					
2-3/8"			4.7#		monal Diameter		4262.06'		1 6110	rations	10			
Type Con	npletio	n (De	escribe)	***************************************	Type Flui	d Production	<u> </u>		Pump Ur	nit or Traveling	Plunger? Yes /	No		
Single	<u>` </u>				SW	SW			Pump	Unit				
	_	(Ann	ulus / Tubing)	% Carbor	n Dioxide			% Nitrog	en	Gas Gra	avity - G _g		
Tubing Vertical D		-11				Droop	ure Taps				/Mates D	\m\ /D==		
vertical L	epui(r	1)				riess	ure raps				(Meter R	un) (Prov	er) Size	
-			02/	20/2014	8.	·00			2/20/20	1.4	8.00			
Pressure	Buildu			<u> 20/2014 - </u>							at 8:00		M) (PM)	
Well on L	.ine:	5	Started 02/	212014 19)at _8:	:00	(AM) (PM)	Taken _02	2/21/20	14 19	at <u>8:00</u>	(A	M) (PM)	
-												0.4		
				1_		OBSERVE	D SURFACE		1		Duration of Shut-i	n 24	Hours	
Static / Orif Dynamic Siz Property inch		Meter or Prover Pressur		Pressure Differential	Flowing	Well Head	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration	Liquid I	Liquid Produced	
				` '	Temperature t	Temperature t					(Hours)	(Barrels)		
			psig	Inches H ₂ 0			psig	psia	psig	psia	•			
Shut-In							79		45		24			
Flow					ı									
						FLOW STR	REAM ATTRI	BUTES						
Plate	•		Circle one:	Press	Grav	rity	Flowing	Dovi	iation	Metered Flov	v GOR		Flowing	
Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Extension	Fac	tor	Temperature Factor	1	ctor	R R	(Cubic Fee	t/ Fluid	1	
				š P _m x H _w	F		F _{ft}	F	pv	(Mcfd)			Gravity G _m	
L														
					-		ERABILITY)					= 0.207	7	
(P _c) ² =		_:	(P _w) ² =	Choose formula 1 or 2	P _d =		% (P	- 14.4) +	14.4 =	:	(P _d) ²	=		
(P _c) ² - (I	P _a) ²	(F	(P _w) ² - (P _w) ²	1. P _c ² -P _a ²	LOG of			sure Curve e = "n"				•	n Flow	
or (P _c) ² - (F	P \2			2. P _c ² -P _d ²	formula 1. or 2. and divide			or ianed	n x l	LUG	Antilog		erability R x Antilog	
(, °, (,	d/			divided by: P _c ² - P _w ²		P _c ² -P _w ²		rd Slope		L J		М	lcfd	
												-,.		
Open Flow Mcfd @ 14.65 ps			5 psia	osia Deliverability				Mcfd @ 14.65 psia						
The u	ındersi	igned	authority, or	behalf of the Co	ompany, stat	tes that he is	duly authori	zed to ma	ke the abo	ove report and	that he has know	ledge of t	the facts	
stated ther	ein, ar	nd tha	at said report	is true and corre	ect. Execute	ed this the	28th	day of	Febru	ary		- 19	2014	
	,		F - · ·	= ++111						eness	s -An	<i>T</i>		
			Witness	if any)		KO	C WIC	HITA	Lover	ess Mpanje	Company V	·	-	
						8 80	~ 44101	1111/7		1011				
			For Com	mission		MA	R 14 7	N14		Chec	ked by			

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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 operator F.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 installation or upon use of the gas well herein named. Set a permanent exemption from open flow testing for the LUNZ "A" 4-21 ounds that said well:
(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
	Signature: Loveness — James — 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.

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