Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:			•		(See Instru	uctions on Rev	rerse Side)			
Ор	en Flo	w			-				4.51			
√ De	liverat	oilty			Test Date		2/14/2012			No. 15 5-047-21,2	29 - MY	\sim
Company	,				02/10/2	2012 - 0.	Lease	· · · · · · · · · · · · · · · · · · ·	_	0 041 21,2		Vell Number
		mp	any, L.L.C				LUNZ	"A"				-21
County		<u>-</u>	Locati	· · · · · · · · · · · · · · · · · · ·	Section		TWP	****	RNG (E	/W)	Ą	cres Attributed
Edward	ls		SE SE	NW	21		24S		16W			
Field					Reservoir				Gas Gat	hering Conne	ction	
Embry							ssissippi		<u> </u>		·	
Completio		е			Plug Bacl	(Total Dep	oth		Packer S	Set at		
12/18/1			101-1-1-		t-41 D			<u> </u>	D- 4			
Casing Si 4-1/2"	ze		Weigh 10.5#		Internal D	nameter	Set a 441			rations '1'-4330'	То	
Tubing Si	7 <u>P</u>		Weigh	·	Internal D	iameter	Set a			rations	To	
2-3/8"			4.7#	•	mitorna, E			2.06'		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		
Type Com	npletio	n (De		·	Type Flui	d Production			Pump U	nit or Traveling	Plunger? Yes /	No
Single (Gas)				SW			*.	Pump	Unit			
Producing	Thru	(Ann	ulus / Tubing		% Carbor	% Carbon Dioxide			% Nitrog	jen ·	Gas Gravity - G _g	
Tubing												
Vertical D	epth(F	1)				Pres	sure Taps				(Meter Ru	ın) (Prover) Size
								· .				
Pressure	Ruildu	n· :	Shut in	13/2012 ₁₉	at _8:	00	_ (AM) (PM)	Taken 0	2/13/20)12 ₁₉	at 8:00	(AM) (PM)
					^		, ,, ,	0	2/14/20	40	at 8:00	
Well on L	ine:	5	started 02/	14/2012 19	at _8:		_ (AM) (PM)	Taken _U	2/ 14/20	12 19	at	(AM) (PM)
· · · · · · · · · · · · · · · · · · ·												. 24 Hours
			Circle and			OBSERV	ED SURFACI				Duration of Shut-in	n Hours
Static /	Orifi		Circle one: Meter or	Pressure Differential	Flowing	Well Head	l Wellhead	•	1	Tubing ead Pressure	Duration	Liquid Produced
Dynamic Property	Siz inch		Prover Pressu		Temperature t	Temperatur t	(P _w) or (P		1	$r(P_t)$ or (P_c)	(Hours)	(Barrels)
,			psig	Inches H ₂ 0			psig	psia	psig	psia		
Shut-In							110				24	
Flow								1				
	L		L									
	 -			·· · · · · · · · · · · · · · · · · · ·	<u> </u>	FLOW ST	REAM ATTR	IROLES		<u> </u>		
Plate Coeffied			Circle one: Meter or	Press Extension	Grav	·	Flowing Temperature	Dev	iation	Metered Flov		Flowing Fluid
(F _b) (F	1	Pro	ver Pressure	š P_x H_	Fac	or	Factor	,	ctor .	R (Mcfd)	(Cubic Fee Barrel)	Gravity
Mcfd			psia	S Pm X nw		'	F _{ft}	<u>'</u>	pv.	(IVICIU)	Ballely	G _{m.}
			······	<u> </u>		L			.=			
							VERABILITY;					= 0.207
(P _c) ² =		<u>:</u>	(P _w) ² =		P _d =		_% (F	c - 14.4) +	14.4 =	:	(P _d) ²	=
(P _c)² - (I	D \2	/ E	P _c) ² - (P _w) ²	1. P _c ² - P _a ²	LOG of			ssure Curve		$\Gamma \cap I$		Open Flow
_	-	(I	c) - (r _w)		formula 1. or 2.			oe = "n" · or	n x	LOG	Antilog	Deliverability
or (P _c)²- (F	2 _d)²		[2. P _c ² -P _d ²	and divide	P _c ² -P _w ²		signed ard Slope				Equals R x Antilog Mcfd
				divided by: P _c ² - P _w ²			Otaria.					
				•			:		-			
				M-64 G 44 C			Delivershill				Aafd @ 14 GE pain	
Open Flov	<u>v</u>			Mcfd @ 14.6	5 psia		Deliverabili	ity			Mcfd @ 14.65 psia	
The u	ındersi	gned	l authority, on	behalf of the Co	ompany, sta	tes that he	is duly author	ized to ma	ike the ab	ove report and	that he has knowl	edge of the facts
stated ther	ein er	nd the	at said report	is true and corre	ct. Execute	d this the		day of	f			19
CLARCO MICI	J., al		Juid Topoli	io sido dila come				su, o				
												RECEIVED
			Witness (t any)						For	Company	
			For Comr	nission			-			Che	ked by	EB 2 2 2012

I declare under penalty or perjury under the law	vs of the state of Kansas th	at I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf	of the operator F.G. Holl Co	ompany, L.L.C.
and that the foregoing information and statements		
the best of my knowledge and belief based upon g	as production records and re	ecords of equipment installa-
tion and/or of type completion or upon use of the g	as well herein named.	
I hereby request a permanent exemption from op	en flow testing for the LUNZ	Z "A" 4-21
gas well on the grounds that said well:		
(Check one)		
is a coalbed methane producer	: :	
is cycled on plunger lift due to w		
is a source of natural gas for inju		
is on vacuum at the present time	• •	
is incapable of producing at a da	aily rate in excess of 250 mo	:f/D
Date: 02/15/2012		
	1	
Signature	: Loveness r	Mpg
Title	: 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 2 2 2012

KCC WICHITA