Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				(See Instruc	ctions on Re	everse Side	·)				
✓ Op	en Flo	w			T D-1				4.00	l Na ar			
De!	liverab	ílty			Test Date 7/10/201				15-	No. 15 :077-00162 -	-0000		
Company		Oper	ating, L.L.C				Lease Donale	d Muir G			1-16	Well Nu	mber
County		·	Locati		Section		TWP		RNG (E	/W)		Acres A	Attributed
Harper			1650 FS	L & 2150 FEL	16		318		9W	· 		Ko	<u> </u>
Field Spivey	Grab	s_		<u></u>	Reservoir Mississ					thering Conner r Exploration		_JU	CEIVED
Completic 1/26/56		е			Plug Bac 4507	k Total Dep	oth	•	Packer 8	Set at			V 05 20
Casing Si			Weigh	<u> </u>	Internal D	Diameter	Set	at		rations	To	 &	C. ~ ~ (1)
7		_	20		6.456		451		445		4505		LIVED
Tubing Si 2.375	ze		Weigh 4.70	t	Internal D 1.995	Diameter	Set 441		Perfo	rations	То		
Type Con Single (n (De	escribe)		T ype Flui	d Productio	on		Pump U Pump		Plunger? Yes	/ No	
Producing	Thru	(Anr	rulus / Tubin	g)	% C	Carbon Diox	ide		% Nitrog	jen	Gas G	ravity - (Э ₀
Annulus													
Vertical D 4457	epth(F	ł)				Pres	ssure Taps				(Meter	Run) (P	rover) Size
Pressure	Buildu	p: :	Shut in 7/9	2	₀ 14 _{at} 8	:00	. (AM) (PM)	Taken_7/	10	20	14 at 8:00	((AM) (PM)
Well on Li	ine:	:	Started	2	0 at		. (AM) (PM)	Taken		20	at		(AM).(PM)
						OBSERVI	ED SURFAC	E DATA			Duration of Shut	-in_24	Hours
Static / Dynamic	Orifi Siz	е	Circle one: Meter Prover Pressi	Pressure Differential in	Flowing Temperature		Wellhead	sing Pressure P,) or (P _p)	Wellhe	Tubing ead Pressure or (P ₁) or (P ₂)	Duration (Hours)		d Produced Barrels)
Property	(inch	98)	psig (Pm)	Inches H ₂ 0	t	t	psig	psia	psig	psia	0.4		
Shut-In							100	114.4	5	19.4	24		
Flow							<u></u>					Ц_	
_						FLOW STI	REAM ATTE	IBUTES			_ _		
Plate Coeffieci (F _b) (F Mcfd	ient ,)		Circle one: Meter or over Pressure psia	Press Extension √P _m xh	Grav Fact	tor ·	Elowing Temperature Factor F _{tt}	Fa	iation ctor Py	Metered Flov R (Mcfd)	y GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G _m
-					(OPEN FL	OW) (DELIV	/ERABILITY) CALCUL	ATIONS		(P _a)2 = 0.2	07
(P _c) ² =		_:_	(P _w) ² =		P _d =		% (P _c - 14.4) +	14.4 =	<u> </u>	(P _d) ² =	
(P _c) ² - (F or (P _c) ² - (F		(P	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ²	LOG of formula 1, or 2, and divide		Sic	essure Curve pe = "n" - or esigned	l n x	LOG	Antilog	Del	pen Flow iverability R x Antilog
	u'			divided by: Pc - Pw		P _c ² -P _w ²		lard Slope					(Mcfd)
•			-						_				
Open Flov				Mcfd @ 14.	 65 osia		Deliveral	oility				ia.	
·			المسلمان		·	inter if -4 !			n mail = 11		·		ledge -f
		~	•				•				rt and that he h		_
tne tacts si	ated t	nerei	n, and that sa	aid report is true	and correc	t. Executed	this the		day of			,;	20
			Witness (f any)					<u> </u>	For C	Company		
			For Comm	ission			-			Chec	ked by		

		r the laws of the state of Kansas that I a	•
		behalf of the operator <u>Chesapeake Ope</u>	
		and statements contained on this applic	
correct to the bes	t of my knowledge and belie	ef based upon available production sumn	naries and lease records
		completion or upon use being made of the	_
I hereby requ	est a one-year exemption fr	rom open flow testing for theDonald Mui	ir GU 1-16
gas well on the g	ounds that said well:		
			KCC WICHI JUN 05 2015 RECEIVE
(Check	•		JUA WICHI
	is a coalbed methane prod		7 17 2015
	is cycled on plunger lift du		-11715 -
	•	for injection into an oil reservoir undergo	ing ER
	is on vacuum at the prese	ent time; KCC approval Docket No	
\checkmark	is not capable of producin	ng at a daily rate in excess of 250 mcf/D	
_		ny ability any and all supporting documen for exemption from testing.	ts deemed by Commission
Date: 5/11/2015			
Date: <u>5/11/2015</u>			
Date: <u>5/11/2015</u>			
Date: <u>5/11/2015</u>			
Date: <u>5/11/2015</u>	Siç	gnature: <u>\CUHÛ WWYN</u> F	<u>-</u>
Date: <u>5/11/2015</u>	Siç	gnature: <u>\CUHÛ WWY</u> Title: <u>Katie Wright, Regulatory Anal</u> y	yst

Instructions:

If a gas well meets one of 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 claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been 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 for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption IS denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.