## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:				(	See Instruc	tions on Rev	rerse Side	)				
	en Flov liverabi				Test Date 12/4/2	014			<b>ô</b> 2	5-2 <sup>1</sup> 5049			
<b>Bavid</b>	W. C	Clot	hier				Krier		,,,		1-31	Nell Nu	mber
Clark			sW <sup>s</sup>	NE NE	Section 31		TWP 33S		<b>BNG</b> ( <b>F</b>	/W)	4	Acres A 320	Attributed
Field McKin	ney		_		Reservoir MISSIS	sippian			Gas Ga Clarc	thering Conne	ection		
879790	on Date	9		-	Plug Bac 5554	k Total Dept	th		Packer S None				-
Casing Si 4.5	ize		Weight 10.5#		Internal I 1.995"	Diameter	Set a 5410	D'	Perfo	rations	То		
Tubing Si	ze		Weight		Internal [	Diameter	Set a	it	Perfo	orations	То		
Type Con Single	npletion	1 (De	escribe)		Type Flui Gas &	d Production Water	n		Pump Ui Pump	nit or Traveling Unit	Plunger? Yes	/ No	
Producing Tubing	Thru	(Anı	nulus / Tubing)		% C	arbon Dioxi	de		% Nitrog	jen	Gas Gra	avity - G	a <sub>g</sub>
Vertical D	epth(H	)				Pres	sure Taps	-			(Meter I	Run) (Pi	rover) Size
Pressure	Buildup	 o:	12/4 Shut in	2	14 1 0 at	0:00 AM	(AM) (PM)	12 Taken	2/5	20	14 10:00 / at	¥М(	(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	(	(AM) (PM)
				1	,	OBSERVE	D SURFACE	DATA			Duration of Shut-	in	Hours
Static / Dynamic Property	Orific Size (inche	9	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P <sub>w</sub> ) or (P	Pressure	Wellha	Tubing ead Pressure r (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	1 '	d Produced Barrels)
Shut-in			F-13 (* ***)				169#	psia	psig	psia	24		
Flow													
						FLOW STR	REAM ATTR	IBUTES					,
Plate Coeffieci (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one:  Meter or over Pressure psia	Press Extension √ P <sub>m</sub> xh	Grav Fact	tor	Flowing Temperature Factor F <sub>ft</sub>	Fa	ation ctor	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>
					(ODEN EL	000 (0510)	CDADU (TV)	001011	ATIONO				
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =_		P <sub>d</sub> =		'ERABILITY) % (P	) CALCUL <sup>2</sup> c - 14.4) +		:	(P <sub>a</sub> ) <sup>;</sup> (P <sub>d</sub> ) <sup>;</sup>	2 = 0.2 2 =	07
(P <sub>c</sub> ) <sup>2</sup> - (F	1	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	hoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop	ssure Curve be = "n" or signed ard Slope	n x	rod	Antilog	Del Equals	pen Flow iverability B X Antilog (Mcfd)
				<del>, , , , , , , , , , , , , , , , , , , </del>		<del></del>							
Open Flo	ν <u>.</u>			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psi	a	
			l authority, on		e and correc	t. Executed	this the $\frac{20}{1}$	0th		ne above repo December	rt and that he ha		ledge of 14 20
			Witness (if	any)		ORPORATION (	COMMISSION /	40	VU	For C	Company		
			ForCommis	einn	U	EC_2.2 2	4UI4 -			Cher	rkad hu		

CONSERVATION DIVISION . WICHITA, KS

I declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
	der Rule K.A.R. 82-3-304 on behalf of the operator
and that the fore	going pressure information and statements contained on this application form are true and
orrect to the bes	t of my knowledge and belief based upon available production summaries and lease records
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby requ	est a one-year exemption from open flow testing for theKrier #1-31
	ounds that said well:
(Chec	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
<b>4</b>	is not capable of producing at a daily rate in excess of 250 mcf/D
	e to supply to the best of my ability any and all supporting documents deemed by Commissic y to corroborate this claim for exemption from testing.
10/20/201	
Date: 12/20/201	<u> </u>

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.

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