## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:		-0T			(See Instruc	tions on R	everse Side	e)				
Op	en Flo	w Į	N SI		Test Date				AD	N- 45			
De	liveral	bilty			3/17/20				15-	No. 15 023-20587 -	000		
Company		esou	ırces		,,,,,,,		Lease Isernha	agen	.,		2-23	Well N	umber
County Location Cheyenne NWSE					Section 23		TWP 3S		RNG (E 41W	W)	Acres Attributed 80		
Field St. Franc	cis				Reservoi Niobrar					hering Conn Systems In			
Completion 9/10/200		te			Plug Bac 1508'	k Total Dep	th		Packer \$	Set at			
Casing Size Weight 4 1/2" 10.5#					Internal I 4.052	Diameter	Set 151		Perfo	rations 6'	то 1352'		
Tubing Si	ize		Weigl	nt	Internal (	Diameter	Set	at	Perfo	rations	То		
Type Con Single (					Type Flui Dry Ga	d Productio	n			nit or Traveling	Plunger? Yes	)/ No	
Producing	Thru	(An	nulus / Tubin	g)		arbon Diox	ide		% Nitrog		Gas Gr	avity -	G.
Annulus									Ţ		.6	•	y
Vertical D 1352'	epth(F	H)				Pres Flan	sure Taps ge				(Meter 2"	(Meter Run) (Prover) Size 2"	
Pressure	Buildu		Shut in 3-1			0 09 at 8:25 (ÂM)(PM)			18		09 at 8:40	(	(PM)
Well on L	ine:		Started 3-1	82	0 <u>09</u> at <u>8</u>	:40	(PM)	Taken 3-	19	20	09 at 9:25	(	(AM)(PM)
			1		T	OBSERVE	D SURFAC	E DATA	···		Duration of Shut-	in_24	Hours
Static / Dynamic Property	ic Size Meter Differential		Flowing Temperature t	Well Head Temperature t	Wellhead	sing   Pressure   P <sub>t</sub> ) or (P <sub>c</sub> )   psia	Wellhe	ubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	1 '	Liquid Produced (Barrels)		
Shut-In							256	270.4	psig	psia	, , , , , , , , , , , , , , , , , , ,		
Flow	***						115	129.4			24	0	
				<u> </u>		FLOW STR	EAM ATTR	RIBUTES					<del></del>
Coefficient  (F <sub>b</sub> ) (F <sub>p</sub> )  Prover F		Circle one: Meter or ver Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fact F <sub>g</sub>	or 1	Flowing Temperature Factor F <sub>11</sub>	Fac	Deviation N Factor F <sub>gv</sub>		y GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>	
					1					67			
	•				(OPEN FLO	OW) (DELIV	ERABILITY	) CALCUL	ATIONS		(P )	2 = 0.2	07
(P <sub>c</sub> ) <sup>2</sup> =	r	<u>_:</u> _	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =	9	% (I	<sub>c</sub> - 14.4) +	14.4 =	<u> </u> :		² =	<del></del>
$ \begin{array}{c cccc} (P_c)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 & 1 & P_c^2 - P_a^2 \\ \text{or} & & & & & & & \\ (P_c)^2 - (P_d)^2 & & & & & & \\ & & & & & & & \\ & & & & $			LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Backpressure Curve Slope = "n" Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)			
											- V		
Open Flow	<u>.</u>		<u> </u>	Mcfd @ 14.	65 peig		Dollyarah				Maria @ 44.05 ::		
						<del></del>	Deliverab	-		****	Mcfd @ 14.65 psi		
				behalf of the						e above repo	rt and that he ha		ledge of 20
								lion	yre_	make			
			Witness (if	any)			_		/	For C	ompany	REC	EIVED
			For Commi	ssion			-	• •		Chec	ked by	IΔN	0 7 2010

and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the	
(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 not capable of producing at a daily rate in excess of 250 mcf/D  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date: 12/31/09	exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.  and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
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 not capable of producing at a daily rate in excess of 250 mcf/D  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date:	gas well on the grounds that said well:
Signature:	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 not capable of producing at a daily rate in excess of 250 mcf/D
Date: 12/31/09  Signature: waye Indiana.	· · · · · · · · · · · · · · · · · · ·
	Date: 12/31/09

## 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.

JAN 0 7 2010 KCC WICHITA

W353 Isernhagen 02-23 St. Francis St. Francis None

March-09

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
3/1/2009			62	31	0	0	0	0	
3/2/2009			62	32	0	0	0	0	1
3/3/2009			62	33	0	0	0	0	1
3/4/2009			62	33	0	0	0	0	bp
3/5/2009			61	32	0	0	0	0	=
3/6/2009			60	32	0	0	0	0	
3/7/2009			59	32	0	0	0	0	
3/8/2009			60	32	0	0	0	0	
3/9/2009			58	32	0	0	0	0	
3/10/2009			57	33	0	0	0	0	
3/11/2009			57	37	0	0	0	0	
3/12/2009			57	35	0	0	0	0	
3/13/2009			60	33	0	0	0	0	
3/14/2009			62	31	0	0	0	0	
3/15/2009			62	31	0	0	0	0	
3/16/2009			94	31	0	0	0	0	
3/17/2009		256	222	0	0	0	24	0	
3/18/2009			222	0	0	0	24	0	
3/19/2009		115	83	39	0	0	4.5	0	
3/20/2009			69	42	0	0	0	0	restart P U
3/21/2009			69	42	0	0	0	0	
3/22/2009			69	50	0	0	0	0	
3/23/2009			69	50	0	0	0	0	
3/24/2009			68	51	0	0	0	0	
3/25/2009			68	56	0	0	0	0	
3/26/2009			70	60	0	0	0	0	
3/27/2009			70	61	0	0	0	0	
3/28/2009			65	61	0	0	0	0	
3/29/2009			65	61	0	0	0	0	
3/30/2009			63	62	0	0	0	0	
3/31/2009			62	63	0	0	0	0	

Total 1218

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W353 Isernhagen 02-23 St. Francis St. Francis None

April-09

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
4/1/2009			66	63	0	0	0	0	
4/2/2009			65	64	0	0	0	0	
4/3/2009			68	50	0	0	0	0	
4/4/2009			65	65	0	0	0	0	
4/5/2009			66	66	0	0	0	0	
4/6/2009			65	66	0	0	0	0	
4/7/2009			66	59	0	0	0	0	
4/8/2009			67	54	6.5	24	0	43	started pumping unit
4/9/2009			68	56	6.5	24	0		bucket test 4 min
4/10/2009			70	61	6.5	- 24	0	41	
4/11/2009			71	63	6.5	24	0	42	
4/12/2009			71	65	6.5	24	0	43	
4/13/2009			77	66	6.5	24	0	43	
4/14/2009		-	85	66	6.5	24	0	42	
4/15/2009			65	67	6.5	18	0	32	bucket test 4 min
4/16/2009			65	67	6.5	18	0	33	
4/17/2009			71	67	6.5	18	0	32	
4/18/2009			68	68	6.5	18	0	31	
4/19/2009			74	68	6.5	18	0	32	
4/20/2009			74	69	6.5	18	0	33	
4/21/2009			87	71	6.5	18	0	32	bucket test 4 min
4/22/2009			65	75	6.5	18	0	33	
4/23/2009			80	75	6.5	18	0	32	
4/24/2009			66	74	6.5	18	0	31	
4/25/2009			64	75	6.5	18	0	32	
4/26/2009			64	74	6.5	18	0	33	
4/27/2009			66	73	6.5	18	0	32	bucket test 4 min
4/28/2009			64	74	6.5	18	0	31	
4/29/2009			64	74	6.5	18	0	34	
4/30/2009			74	73	6.5	18	0	33	
5/1/2009							0		

Total 2008 813

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W353
Isernhagen 02-23
St. Francis
St. Francis
None
May-09

	Tubing	Casing					HRS	Water	REMARKS
DATE_	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
5/1/2009			65	73	0	0	0	0	
5/2/2009			63	73	0	0	0	0	
5/3/2009			63	73	0	0	0	0	
5/4/2009			76	73	0	0	0	0	
5/5/2009			64	73	0	0	0	0	bp
5/6/2009			63	73	6.5	18	0	32	bucket test 4 min
5/7/2009			63	73	6.5	18	0	33	
5/8/2009			65	73	6.5	18	0	34	
5/9/2009			65	71	6.5	18	0	33	
5/10/2009			63	73	6.5	18	0	32	
5/11/2009			61	74	6.5	18	0	33	
5/12/2009			67	73	6.5	18	0	32	
5/13/2009			73	73	6.5	18	0	31	bp
5/14/2009			74	73	6.5	18	0	32	bucket test 4 min
5/15/2009			74	73	6.5	18	0	31	
5/16/2009	•		74	73	6.5	18	0	32	
5/17/2009			74	73	6.5	18	0	31	
5/18/2009			75	73	6.5	18	0	32	
5/19/2009			97	73	6.5	18	0	33	
5/20/2009			107	35	0	0	12	16	shut pump off hfp
5/21/2009			73	91	6.5	18	0	0	started pumping unit
5/22/2009			75	80	6.5	18	0	33	
5/23/2009			74	80	6.5	18	0	32	
5/24/2009			73	82	6.5	18	0	31	
5/25/2009			73	82	6.5	18	0	32	
5/26/2009			74	81	6.5	18	0	33	
5/27/2009			72	81	6.5	18	0	32	
5/28/2009			72	81	6.5	18	0	33	bp
5/29/2009			72	80	6.5	18	0	32	•
5/30/2009			72	81	6.5	18	0	33	
5/31/2009			71	81	6.5	18	0	31	

Total 2321

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