KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:	1	Tod			(See Instru	ictions oi	n Rev	erse Side)						
Op	en Flov	v £	AST														
De	eliverabi	lty				Test Date 7/29/20						I No. 15 -023-20587•	-00-	20			
Company		sourc	ces			7720720		Leas	se rnhag	aen					Well Nu	mber	
County	ne		Loc	ation		Section 23		TWF	>		RNG (E	/W)			Acres A	attributed	
Field St. France				-		Reservoi					Gas Ga	thering Conr Systems Ir					
Completi							k Total De	nth			Packer						
9/10/200)4					1508'											
Casing S 4 1/2"	ıze		Wei 10.			internal (4.052	Diameter		Set a 1514		131	orations 6'		то 1352'			
Tubing S none	ize		Wei	ght		Internal [Diameter	:	Set a	t	Perf	orations		To G			
Type Con Single (Type Flui Dry Ga	d Producti	on				nit or Travelining Unit	g Plunger	? (Yes	y No		
Producing	•		· · ·	ina)			arbon Dio	xide			% Nitro			Gas Gr	avity - G		
Annulus	-	•		3,								,		.6	,	9	
Vertical E	epth(H))					Pre	ssure Ta	ps					(Meter F	Run) (Pr	over) Size	
1352'								nge						2"			
Pressure	Buildup): S	hut in _7	29	2	09 at 8	:25	_(AM) (PM) Taken_7-30			20	09 at	8:40	(ÂM)\PM)		
•				0 <u>09</u> at <u>8</u>	:40	_ (AM)	ÂM) (PM) Taken 7-31			20	09 at	9:25		ÂM)(PM)			
							OBSERV	ED SUR	FACE	DATA			Duration	of Shut-	24	Hours	
Static / Orifice Circle of):	Pressure	Flowing				ng	1	Tubing					
Dynamic	Size	٠	Meter Prover Pressure		Differential in	Temperature	Temperatur	Welli اے	Wellhead Pressure (P_w) or (P_1) or (P_2)		1	ead Pressure r (P ₁) or (P _c)	1	Duration (Hours)		Produced Sarrels)	
Property (inches)		s) '	psig (Pm)		Inches H ₂ 0	t	t	psig		psia psig		psia	- ```	,	, , , ,		
Shut-In								60		74.4							
Flow								150		164.4			24		0		
							FLOW ST	REAM A	TTRI	BUTES							
Plate			ircle one:		Press	Grav	itv	Flowing	•	Devi	ation	Metered Flo	w	GOR		Flowing	
Coeffied (F _b) (F			Meter or rover Pressure		Extension	Factor		Temperature Factor		Factor		R	"	(Cubic Fee		Fluid Gravity	
Mcfd			psia		✓ P _m xh	P _m xh F _g		F _{it}		F	pv	(Mcfd)		Barrel)		G _m	
												50					
					*	(OPEN FLO	OW) (DELI	VERABIL	LITY)	CALCUL	ATIONS			(D.)2	= 0.20		
(P _c) ² =		.:	(P _w) ²	_	:	P _d =		_%	(P	- 14.4) +	14.4 =	:	Y	(P _d) ²			
(P _c)² - (F	2)2	(P_)	Choose formula 1 or 2: P _c) ² - (P _w) ² 1. P _c ² - P _s ²			LOG of	LOG of			sure Curve		ſ٦				Open Flow	
or (P _c)²- (F			2. P _c ² -P _d ²		formula 1. or 2.		Slope = "n"			LOG	Ant	ilog		erability R x Antilog			
(1 _c) - (1	اره		divided by: Pc2 - Pw2		and divide by:	and divide p2_p2		Assigned Standard Slope			[,]			. (1	Mcfd)		
			· ·														
Open Flor	N			I	Mcfd @ 14.	65 psia		Deliv	erabil	lity			Mcfd @	14.65 psi	a		
The u	ındersig	ned	authority,	on be	ehalf of the	Company, s	tates that	he is dul	ly aut	horized to	make ti	ne above repo	ort and th	at he ha	s knowl	edge of	
the facts st	tated the	erein,	and that	said ı	report is true	and correct	. Execute	d this the	₉ _18		day ofN	ovember				0 09 .	
											7	- 10	1/	100	B		
			Witnes	(if any)				_		10	For	Company		RECI	0 2009	
			For Cor	nmissio	n				_			Che	cked by	A	011 n	0	
														14	∪ W J	u 2009	

exempt status under and that the foregoi correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. In pressure information and statements contained on this application form are true and finy knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the Isernhagen 2-23 ands that said well:
is is I further agree to	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D s supply to the best of my ability any and all supporting documents deemed by Commission of corroborate this claim for exemption from testing.
Date: 11/18/09	Signature: W Noelb Title: Production Foreman

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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NOV 3 0 2009

KCC WICHITA

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

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
7/1/2009			69	75	6.5	18	0	32	
7/2/2009			69	75	6.5	18	0	31	
7/3/2009			70	75	6.5	18	0	32	
7/4/2009			69	75	6.5	18	0	33	
7/5/2009			70	75	6.5	18	0	32	
7/6/2009			70	75	6.5	18	0	31	
7/7/2009			69	75	0	0	0	32	
7/8/2009			168	60	0	0	6	0	
7/9/2009			89	30	0	0	3	0	
7/10/2009			70	67	0	0	0	0	
7/11/2009			69	75	0	0	0	0	
7/12/2009			62	58	6.5	18	0	18	restart p u
7/13/2009			69	75	6.5	18	0	31	
7/14/2009			70	75	6.5	18	0	32	
7/15/2009			78	70	6.5	18	0	33	
7/16/2009			78	70	6.5	18	0	32	bucket test 4 min
7/17/2009			71	70	6.5	18	0	32	
7/18/2009			71	72	6.5	18	0	31	
7/19/2009			67	73	6.5	18	0	32	
7/20/2009			70	70	6.5	18	7	33	
7/21/2009			68	72	6.5	18	0	32	
7/22/2009			61	72	6.5	18	0	33	
7/23/2009			65	72	6.5	18	0	34	
7/24/2009			61	72	6.5	18	0	33	
7/25/2009			70	72	6.5	18	0	32	bucket test 4 min
7/26/2009			68	70	6.5	18	0	31	
7/27/2009			68	66	6.5	18	4	32	
7/28/2009			69	73	6.5	18	0	34	
7/29/2009			69	73	6.5	18	0	33	
7/30/2009		60	75	72	0	0	0	32	shut in for test
7/31/2009		150	67	7	6.5	18	0	0	open

Total 2111

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KCC WICHITA

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

	Tubing	Casing						HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SP	M	CYCLE	DOWN	BBLS	(Maximum length 110 characters
8/1/2009			71		89	6.5	18		0	32
8/2/2009			71		73	6.5	18		0	31
8/3/2009			77		75	6.5	18		0	32
8/4/2009			77		75	6.5	18		0	33
8/5/2009			146		75	6.5	18		0	32
8/6/2009			67		76	6.5	18	(0	31
8/7/2009			71		73	6.5	18		0	32
8/8/2009			71		74	6.5	18	(0	33
8/9/2009			71		73	6.5	18	(0	32
8/10/2009			71		72	0	0	4	0	32 PU OFF
8/11/2009			71		63	0	0	(0	0
8/12/2009			71		63	0	0	4	0	0
8/13/2009			60		59	0	0	(0	0
8/14/2009			65		62	0	0		0	0
8/15/2009			67		68	0	. 0	(0	0
8/16/2009			138		48	0	0		0	0
8/17/2009			136		48	0	0		0	0
8/18/2009			137		51	0	0	(0	0
8/19/2009			137		51	0	0	(0	0
8/20/2009			64		63	6.5	18		0	0 started pump
8/21/2009			67		73	6.5	18	(0	32
8/22/2009			64		72	6.5	18		4	33
8/23/2009			123		65	6.5	18	(0	32
8/24/2009			150		66	6.5	18		0	31
8/25/2009			96		60	6.5	18		4	32
8/26/2009			66		72	6.5	18			33
8/27/2009			67		70	6.5	18			32
8/28/2009			67		70	6.5	18			31
8/29/2009			123		70	6.5	18		-	32
8/30/2009			67		70	6.5	18			33
8/31/2009			67		72	6.5	18			31

Total 2091

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

	Tubing	Casing						HRS	Water
DATE	PSI	PSI	STA	TIC MCF		SPM	CYCLE	DOWN	BBLS
9/1/2009			0	67	72	6	.5 1	8	0 3
9/2/2009			0	67	72	6	.5 1	8	0 3
9/3/2009			0	70	72	6	.5 1	8	0 3
9/4/2009			0	91	63	6	.5 1	8	6 3
9/5/2009			0	71	74	6	.5 1	8	0 3
9/6/2009			0	69	72	6	.5 1	8	0 3
9/7/2009			0	69	72	6	.5 1	8	0 3
9/8/2009			0	69	72		0	0	0 3
9/9/2009			0	71	67		0	0	0
9/10/2009			0	66	60		0	0	0
9/11/2009			0	64	57		0	0	0
9/12/2009			0	63	54		0	0	0
9/13/2009			0	69	52		0	0 1.:	5
9/14/2009			0	62	49		0	0	0
9/15/2009			0	64	49		0	0	0
9/16/2009			0	61	48		0	0	0
9/17/2009			0	60	47		0	0	C
9/18/2009			0	60	46		0	0	0
9/19/2009			0	59	46		0	0	C
9/20/2009			0	59	45		0	0	C
9/21/2009			0	60	45		0	0 (C
9/22/2009			0	59	44		0	0 (C
9/23/2009			0	59	44		0	0 (C
9/24/2009			0	58	43		0	0 (C
9/25/2009			0	77	34		0	0 (5
9/26/2009			0	114	45		0	0 ()
9/27/2009			0	96	40		0	0 ()
9/28/2009			0	88	39		0	0 ()
9/29/2009			0	65	39		0	0 ()
9/30/2009			0	72	28				3
10/1/2009			0	0	0		0	0 ()

Total 1590