KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t: en Flo		ASI_	_	(See Instruc	tions on Re	verse Side	a)				
Open Flow AST									No. 15 3-20627-00 0	0			
Company		soui	rces, Inc.			Lease Isernhagen					Well Number 21-26		
County Location Cheyenne NENW/4				Section TWP 26 3S			RNG (E		Acres Attributed 80				
Field St. Francis				Reservoir Niobrara			Gas Gat Branch						
Completion Date 10/22/2005					Plug Back Total Depth 1513'				Packer S				
Casing Size Weight 2 7/8" 6.5#			Internal E 2.441	Diameter		Set at 1513'		rations 1'	то 1413'				
Tubing S NONE	ize		Weigh	1	Internal Diameter Set at			Perfo	rations	То			
Type Cor Single (Type Fluid Production Dry Gas			Pump Ur flowing	nit or Traveling		(No		
Producing Annulus	-	(Anr	rulus / Tubing)	% Carbon Dioxide				% Nitrog	% Nitrogen Gas Gravity - G _g .6			G _。
Vertical D	Depth(H	')			Pressure Taps Flange						(Meter 2"	Run) (F	Prover) Size
Pressure	Buildu	p: :	Shut in 6-7		14 at 1	1:20	(AM)(PM)	Taken_6-	19	20	14 at 11:30		(AM) (PM)
Well on L		:	Started 6-22	2 2	0 <u>14</u> at <u>1</u>	14 at 11:30 (PM) Taken 6-2			-23	20	14 at 1:20		(AMX(PM))
						OBSERVE	D SURFAC	E DATA			Duration of Shut	t-in_36	0 Hours
Static / Dynamic Property	Dynamic Size Prover Pressure in		lemperature lemperature (Wellhead (P _w) or (I	(P _w) or (P _t) or (P _o) (P _w		Tubing ad Pressure r (P _r) or (P _o)	Duration (Hours)	,			
Shut-In						202.4	porg						
Flow		60 74.4					24	0	<u></u>				
Diete			Circle one:			FLOW STE	Elevina	RIBUTES					Flowing
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Temperature F		eviation Metered Flo Factor R F _{pv} (Mcfd)		v GOR (Cubic F Barrel	eet/	Fluid Gravity G _m
							<u> </u>			12			
					(OPEN FL	OW) (DELIV	ERABILITY	() CALCUL	ATIONS		(P <u>.</u>)²= 0.:	207
(P _c) ² =		<u>:</u>	(P _w) ² =		P _d =		% _ (P _c - 14.4) <u>+</u>	14.4 = _	 :_	(P _d) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ² 1. P _c ² - P _c ³ 2. P _c ² - P _d ² divided by: P _c ² - P.		LOG of formula 1. or 2. and divide P2. P2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	De	pen Flow diverability is R x Antilog : (Mcfd)	
								_					
				· · · · · · · · · · · · · · · · · · ·	<u> </u>		<u> </u>			<u> </u>			
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia							-						
		_	•	n behalf of the aid report is tru				_		ne above repo December	ort and that he h		wledge of 20 <u>14</u> .
			, with that of	aa tepati is du			ceived		m	1111	11/101	M	v ——
			Witness (i	sny)	<u></u>		2 5 201			For	Company		
			For Comm	ission			4 J 600	<u></u>		Che	cked by		

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.
and that the force correct to the be of equipment install thereby req	egoing pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named. Usest a one-year exemption from open flow testing for the Isernhagen 21-26 grounds that said well:
	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
_	ee to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing.
	Received ISAS CORPORATION COMMISSION FEB 2 5 2015 CONSERVATION DIVISION WICHITA, KS Title: Production Assistant

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.

W360

Isernhagen 21-26

St. Francis

St. Francis

None

June-134

	Casing		<u>.</u>	HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
6/1/20134	59	72	13	0	
6/2/2013	64	77	10	0	
6/3/2018	67	80	11	0	
6/4/2018	86	99	11	0	
6/5/2013	55	68	12	0	
6/6/2013	55	68	13	0	
6/7/2013	100	113	8	9	
6/8/2013	103	116	8	24	
6/9/2018	106	119	0	24	
6/10/201 3	111	124	0	24	
6/11/201	111	124	0	24	
6/12/2013	116		0	24	
6/13/2013	123	136	0	24	
6/14/2013	124	137	0	24	
6/15/2013	125	138	0	24	
6/16/2013	127	140	0	24	
6/17/2013	127	140	0		
6/18/2013	187	200	0	24	
6/19/2013	188		0	24	
6/20/2013	188	201	0	24	
6/21/2013	188	201	0	24	
6/22/2013	188	201	0	24	
6/23/2013	126		18	5	
6/24/2013	118	131	14	0	
6/25/2013	109		13	0	
6/26/2013	96		13	0	
6/27/2013	88		12		
6/28/2013	60		12		
6/29/2013	58		12		
6/30/201	61	74	12		
7/1/2013			_	0	

Total 192

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W360 Isernhagen 21-26 St. Francis St. Francis None July-14

	Casing			RS	Water	REMARKS
DATE	PSI ST	TATIC MCF	D	_ NWC	BBLS	(Maximum length 110 characters)
7/1/2014	60	73	12	0		
7/2/2014	59	72	12	0		
7/3/2014	59	72	12	0		
7/4/2014	59	72	12	0		
7/5/2014	61	74	12	0		
7/6/2014	61	74	12	0		•
7/7/2014	76	89	11	0		
7/8/2014	63	76	10	0		
7/9/2014	62	75	11	0		
7/10/2014	64	77	11	0		
7/11/2014	64	77	10	0		
7/12/2014	65	78	10	0		
7/13/2014	66	79	10	0		
7/14/2014	71	84	10	0		
7/15/2014	56	69	12	0		
7/16/2014	56	69	12	0		
7/17/2014	61	74	12	0		
7/18/2014	60	73	12	0		
7/19/2014	60	73	12	0		
7/20/2014	61	74	12	0		
7/21/2014	86	99	12	0		
7/22/2014	180	193	7	22		
7/23/2014	90	103	9	7		
7/24/2014	66	79	11	3		
7/25/2014	58	71	9	4		
7/26/2014	55	68	13	0		
7/27/2014	56	69	12	O		
7/28/2014	58	71	12	0		
7/29/2014	63	76	11	0		
7/30/2014	57	71	15	C		
7/31/2014	_ 59	72	11	0	·	

Total 349

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CONSERVATION DIVISION WICHITA, KS

W360

Isernhagen 21-26

St. Francis

St. Francis

None

August-14

	Casing		_	HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
8/1/2014	57	70	11	0	
8/2/2014	57	70	11	0	
8/3/2014	56	69	12		
8/4/2014	57	70	12		
8/5/2014	57	70	12	0	
8/6/2014	57		12		
8/7/2014	58	71	12	0	
8/8/2014	60	73	11	0	
8/9/2014	61	74	11	0	
8/10/2014	63	76	10		
8/11/2014	58	71	10	0	
8/12/2014	57	70	11	0	
8/13/2014	57		11	0	
8/14/2014	56	69	11	0	
8/15/2014	53	76	7	3	
8/16/2014	61	74	7	0	
8/17/2014	61	74	7	0	
8/18/2014	61	74	10	0	
8/19/2014	66	79	10	2	
8/20/2014	66	79	10	0	
8/21/2014	60	73	11	0	
8/22/2014	67	80	12	. 0	
8/23/2014	57	70	12	0	
8/24/2014	59	72	11	0	
8/25/2014	73	86	10	0	
8/26/2014	60	73	11	0	
8/27/2014	63	76	10	0	
8/28/2014	57	70	12	. 0	
8/29/2014	56	69	7	5	
8/30/2014	56	69	12	. 0	
8/31/2014	79	82	12	0	

Total 328

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