KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	Can A			(See Inst	ructio	ns on Re	everse Side	e)					
Ор	en Flow	ASI			Test Date	··				API N	No. 15				
Del	liverabilty				5/8/2013						20632-00 ¢	10		_	
Company		urces, Inc.						Lease Alvin					44-08	Well Nu	ımber
County Location S Cheyenne SESE/4					Section 8			TWP 3S	` '			Acres Attributed 80		Attributed	
ield St. Franc	cis			_		Reservoir Niobrara			Gas Gathering Connection Branch Systems Inc.						
Completic 0/22/20					Plug Back Total Depth 1537'					Packer Set at					
Casing Si	ze	Weig 6.5#		_	Internal Diameter 2.441			Set at 1552'		Perforations 1419'		то 1451'		_	
ubing Si	ze	Weig	ht		Internal D	Internal Diameter			Set at		Perforations		То		
	npletion (I				Type Flui	d Produc	ction			Pump Uni flowing	t or Traveling	Plunge	er? Yes	√N ₀)
	Thru (A	nnulus / Tubir	ng)		% C	arbon D	ioxide	-		% Nitrogen			Gas Gravity - G _g		
ertical D				_	Pressure Taps				-				(Meter Run) (Prover) Size 2"		
Pressure	Buildup:	Shut in 5-	7	20	Flange 20_13_at_10:20(AM)(PM)_Take				Taken_5-	5-8 20 13 a					
Vell on Li	ine:	Started 5-8	3	20	13 at 1	0:35	_ (AM)(PM)	Taken 5-	.9	20	13 at	11:20		(AM)(PM)
						OBSE	RVED	SURFAC	E DATA			Duratio	on of Shut-	in 24	Hours
Static / Orifice Dynamic Size		Circle one: Meter Prover Press	Differer		Flowing Well Head Temperature Temperature			Casing Wellhead Pressure (P_w) or (P_t) or (P_a)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_a)		Duration (Hours)		Liquid Produced (Barrels)	
Property Shut-In	(inches)	psig (Pm)	I	H ₂ 0		t	_	psig 165	psia 179.4	psig	psia	<u> </u>		<u> </u>	
Flow		 -						92	116.4			24		0	
						FLOW 9		AM ATTR	RIBUTES			L			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or rover Pressure psia	Extens	Press Gravit Extension Facto ✓ P _m x h F _g		avity ictor Ten		Flowing mperature Factor F _{f1}	orature Factor		Metered Flow R (Mcfd)	(Cubic F			Flowing Fluid Gravity G _m
										11					
) \2		/D \2.	_		(OPEN FLO	• •	LIVEI		-					p ² = 0.2	207
$\frac{(P_c)^2}{(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$		Choose formula 1		a a d	LOG of formula 1. or 2. and divide D 2. D 2			Backpressure Curve		n x L0	n x 106		ntilog	Oper	
				_								_			
Open Flow	v		Mcfd @	14.6	65 psia		•	Deliverat	oility			Mcfd @	14.65 ps	ia	
	-	ed authority, o						•			-	ort and	that he ha		rledge of 20 13 .
- 14010 31	alou triore	and that s	a.o roport io		and someon		u ii			2004		- M/1	nite		*/VICH
		Witness					_	-			For 0	Company			
	_	For Com	mission								Che	cked by			2 6 2013
														RE	CEIVE

exempt status under and that the foregorous correct to the best of equipment installant.	r penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. ing pressure information and statements contained on this application form are true and if my 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 Alvin 44-8 unds that said well:
i i i i i i i i i i i i i i i i i i i	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 so supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: Cull Moutury 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.

KCC WICHITA
DEC 2 6 2013

RECEIVED

W2087 Alvin 44-8 St. Francis St. Francis None May-13

	Casing		HF	RS	REMARKS
DATE	PSI	STATIC MCF	DO	OWN	(Maximum length 110 characters)
5/1/2013	107	120	12		
5/2/2013	120	133	11		
5/3/2013	88	101	11		
5/4/2013	83	96	11		
5/5/2013	84	97	11		
5/6/2013	86	99	12		
5/7/2013	84	97	12		si for state test - cp 40
5/8/2013	42	55	0	24	reopened - cp 165
5/9/2013	95	108	14		
5/10/2013	94	107	12		
5/11/2013	93	106	12		
5/12/2013	92	105	12		
5/13/2013	91	104	12		
5/14/2013	93	106	12		
5/15/2013	127	140	12	2.5	
5/16/2013	99	112	12		
5/17/2013	90	103	12		
5/18/2013	90	103	12		
5/19/2013	101	114	12		
5/20/2013	96	109	12		
5/21/2013	88	101	12		
5/22/2013	92	105	11	14	
5/23/2013	165	178	9	10	
5/24/2013	134	147	10	4	
5/25/2013	120	133	12		
5/26/2013	112	125	12		
5/27/2013	109	122	12		
5/28/2013	104	117	12		
5/29/2013	96	109	12		
5/30/2013	92	105	11		
5/31/2013	90	103	11		

Total 350

W2087 Alvin 44-8 St. Francis St. Francis None June-13

	Casing		HRS	REMARKS
DATE	PSI	STATIC MC	F DOWN	(Maximum length 110 characters)
6/1/2013	87	100	11	
6/2/2013	94	107	11	
6/3/2013	87	100	11	
6/4/2013	85	98	11	
6/5/2013	92	105	11	
6/6/2013	97	110	11	
6/7/2013	88	101	11	calibrate meter
6/8/2013	87	100	11	
6/9/2013	87	100	11	
6/10/2013	87	100	11	2
6/11/2013	98		11	1
6/12/2013	99		11	
6/13/2013	89	102	11	
6/14/2013	90	103	11	
6/15/2013	89	102	11	
6/16/2013	92	105	11	
6/17/2013	89	102	11	
6/18/2013	86	99	11	
6/19/2013	84	97	11	
6/20/2013	85	98	11	
6/21/2013	87	100	11	
6/22/2013	94	107	11	
6/23/2013	102		11	
6/24/2013	100	113	11	
6/25/2013	102	115	11	
6/26/2013	102		11	
6/27/2013	94		11	
6/28/2013	85	98	11	
6/29/2013	85	98	11	
6/30/2013	85	98	11	
7/1/2013				

Total 330

W2087 Alvin 44-8 St. Francis St. Francis None July-13

	Casing		HRS	REMARKS
DATE	PSI	STATIC MCF	DOWN	(Maximum length 110 characters)
7/1/2013	85	98	11	-
7/2/2013	86	99	11	
7/3/2013	87	100	11	
7/4/2013	88	101	11	
7/5/2013	87	100	11	
7/6/2013	87	100	11	
7/7/2013	92	105	11	4
7/8/2013	93	106	11	
7/9/2013	92	105	11	
7/10/2013	87	100	11	
7/11/2013	87	100	11	
7/12/2013	93	106	11	
7/13/2013	97	110	11 2.5	
7/14/2013	99	112	11	
7/15/2013	87	100	11	
7/16/2013	86	99	11	
7/17/2013	84	97	11	
7/18/2013	94	107	10	
7/19/2013	95	108	11	
7/20/2013	96	109	11	
7/21/2013	95	108	11	
7/22/2013	96	109	11	
7/23/2013	90	103	11	
7/24/2013	94	107	10	
7/25/2013	98	111	10	
7/26/2013	89	102	11	
7/27/2013	84	97	11	
7/28/2013	84	97	11	
7/29/2013	84	97	10	
7/30/2013	83	96	10 3.5	
7/31/2013	_ 115	128	10 5.5	

Total 335