KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	-	n			6	See Instruc	tions on Re	everse Side	9)				
_ Op	en Flov	N P												
	iverabi					Test Date 8/19/20					1 No. 15 3-20561-00	- OO		
Company		sour	ces, Inc.					Lease Zimbeli	man		**	1-24	Well N	umber
County Location Section Cheyenne NESW 24							TWP 3S		RNG (E 41W	/W)	Acres Attributed 80			
Field Reservoir Cherry Creek Niobrara								-		thering Conn Systems In				
Completion Date Plu							k Total Dep	th		Packer				
2-10-2004 Casing Size Weight					Internal C	Diameter	Set			orations	To			
11/2" 10.5# Tubing Size Weight Weight			4.052	Diameter	1539' Set at		1326' Perforations		1364'					
HONE	$2^{3/2}$	9						140	<u>010'</u>			- Bl		
ype Com ingle (Conv	enti	onal)			Dry Ga					nlt or Traveling ing Unit		BS)/ No	
roducing Innulus		(Ann	ulus / Tubl	ng)		% C	arbon Diox	lde		% Nitro	gen	Gas .6	Gravity -	G _e
ertical D 364'	epth(H	i) -			- <u>-</u> -		Pres Flan	sure Taps		· ·		(Met 2"	er Run) (i	Prover) Size
ressure	Buildu	p: S	hut in 8-	18	20	11 at 9	:10	(AM)(PM)	Taken 8-	-19	20	11 at 9:25	j	(AM)(PM)
			20	o 11 at 9:25		(PM) Taken 8-				11 at 10:1		(PM)		
							OBSERVE	D SURFAC	E DATA			Duration of Sh	nut-in 24	Hours
Static / Dynamic	reamic Size Prover Pressure in		Pressure Differential in	Temperature Temperature		Wellhead	ising d Pressure P ₁) or (P ₂)	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _a)		Duration (Hours)		Liquid Produced (Barrels)		
Property	(inch	us)	psig (Pm	1)	Inches H ₂ 0	t	t	psig	psla	psig	psla			
Shut-In								67	81.4	 		04		
Flow							EI OW 979	62 REAM ATTE	76.4		l	24	0	
Plate Coefficient (F _p) (F _p) Mctd Circle one: Meter or Prover Pressure psia Press Extension P _m x h			Gravity		emperature Fa		viation Metered F actor R F _{pv} (Mcfd)		(Cubic Fee		Flowing Fluid Gravity G _m			
											48			
						(OPEN FL	OW) (DELIV	(ERABILITY	Y) CALCUI	ATIONS		($P_{a})^{2}=0.$.207
o*); =	 : _'	:	(P _w) ²	,	<u> </u>	P _d =		% ((P _c - 14.4) +	14.4 = _	: <u></u>		P _d) ² =	
$ \begin{array}{c c} (P_e)^2 \cdot (P_a)^2 & (P_e)^2 \cdot (P_m)^2 & Choose formula \\ Of & 1 \cdot P_e^2 \cdot (P_m)^2 & 2 \cdot P_e^2 \cdot (P_m)^2 & divided by: P_e \end{array} $. P. P. P. 2 . P. P. P. 2 . P. P. P. 2 . D. P. P. P. 2	LOG of formula 1. or 2. and divide by:	P.*. P. 2	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	De	Open Flow allvorability ils R x Antilog (Mcfd)		
pen Flor					Mcfd @ 14.	•	_	Delivera	•			Mcfd @ 14.65	•	
		_	-		ehalf of the					_	he above repo	ort and that he	has know	wledge of , 20 <u>11</u> .
	. <u></u>		Witness	i (it any)					M	(I/UU	Company	<u>~~</u>	PE05:
			For Cor	nmissio	n						Che	ecked by	· 	RECEIVE
														APR 2 4 2

	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 Rosewood Resources, Inc.
and that the foreg correct to the best of equipment insta I hereby requ	going pressure information and statements contained on this application form are true and tof my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Zimbelman 1-24 counds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: <u>12/28/11</u>	Signature:

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. RECEIVED

APR 2 4 2012

KCC WICHITA

W380 Ziṃbelinan 01-24 . St. Francis St. Francis None August-11

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC I	ИCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
8/1/2011		62	76	50	6.5	6	0	9	
8/2/2011		62	76	50	6.5	6	0	10	
8/3/2011		62	75	50	6.5	6	0	8	
8/4/2011		63	76	50	6.5	6	0	8	5 min bt greased
8/5/2011		62	75	50	6.5	6	0	9	
8/6/2011		62	76	50	6.5	6	0	11	
8/7/2011		62	76	50	6.5	6	0	7	
8/8/2011		61	75	50	6.5	6	0	10	
8/9/2011		59	74	50	6.5	6	0	8	5 min bt
8/10/2011		59	73	50	6.5	6	0	9	
8/11/2011		80	87	46	6.5	3	0	3	pu off high fp
8/12/2011		91	99	39	6.5	0	0	0	
8/13/2011		80	93	48	6.5	0	0	0	
8/14/2011		87	100	40	6.5	0	0	0	
8/15/2011		87	101	42	6.5	0	0	0	
8/16/2011		63	79	50	6.5	3	0	4	restart pu
8/17/2011		110	97	22	6.5	3	5	4	pu off high fp
8/18/2011		62	91	40	6.5	0	4	0	pu off squeeze well SI
8/19/2011		67	83	0	6.5	3	24		reopen well restart pu
8/20/2011		62	76	52	6.5	6	0	8	•
8/21/2011		61	74	49	6.5	6	0	6	
8/22/2011		60	74	46	6.5	6	0	9	5 min bt
8/23/2011		68	77	47	6.5	6	0	8	
8/24/2011		65	72	47	6.5	6	0	10	
8/25/2011		63	76	47	6.5	6	0	9	
8/26/2011		61	76	48	6.5	6	0	9	
8/27/2011		62	74	48	6.5	6	0	8	
8/28/2011		62	75	48	6.5		0	9	
8/29/2011		62	75	48	6.5		0	10	
8/30/2011		62	75	48	6.5		0		5.5 min bt
8/31/2011		62	75	48			0	8	

Total 1403 206

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KCC WICHITA

W380

Zimbelman 01:24

St. Francis

St. Francis

None

September-11

	Tubin	g Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC N	ИCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters)
9/1/2011		63	75	48	6.5	6	0	8	
9/2/2011		62	76	48	6.5	6	0	9	
9/3/2011		62	75	48	6.5	6	0	10	
9/4/2011		62	75	48	6.5	6	0	9	
9/5/2011		62	75	48	6.5	6	0	8	
9/6/2011		61	75	48	6.5	6	0	7	
9/7/2011		64	75	48	6.5	6	0	9	5 min bt
9/8/2011		63	75	48	6.5	6	0	7	
9/9/2011		63	75	48	6.5	6	0	8	
9/10/2011		62	75	48	6.5	6	0	9	
9/11/2011		62	75	48	6.5	6	0	8	
9/12/2011		63	75	48	6.5	6	0	9	
9/13/2011		61	75	49	6.5	6	0	9	5 min bt
9/14/2011		62	75	48	6.5	6	0	8	
9/15/2011		61	75	49	6.5	6	0	10	
9/16/2011		62	75	48	6.5	6	0	11	
9/17/2011		61	74	48	6.5	6	0	7	
9/18/2011		61	74	48	6.5	6	0	9	
9/19/2011		62	74	48	6.5	6	0	10	
9/20/2011		61	74	48	6.5	6	0	8	5.5 min bt
9/21/2011		62	74	48	6.5	6	0	9	
9/22/2011		61	74	49	6.5	6	0	7	
9/23/2011		61	74	49	6.5	6	0	8	
9/24/2011		62	74	48	6.5	6	0		
9/25/2011		62	75	48	6.5	6	0	6	
9/26/2011		62	74	48	6.5		0		
9/27/2011		58	73	49	6.5	6	0	8	5.5 min bt
9/28/2011		63	71	49	6.5		0	7	
9/29/2011		58		49	6.5		0	9	
9/30/2011		59		48	6.5		0		
10/1/2011		0		0			0	0	

Total : 1447 246

W380 Z<u>imbelman 01-24</u>5.

St. Francis

St. Francis

None

October-11

	Tubing	Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters
10/1/2011		61	74	48	6.5	6	0	8	
10/2/2011		63	76	48	6.5	6	0	10	
10/3/2011		62	75	49	6.5	6	0	6	
10/4/2011		62	75	49	6.5	6	0	9	
10/5/2011		61	75	49	6.5	6	0	8	5.25 min bt
10/6/2011		60	74	48	6.5	6	0	10	
10/7/2011		62	76	49	6.5	6	0	9	
10/8/2011		62	75	49	6.5	6	0	8	
10/9/2011		62	75	48	6.5	6	0	9	
10/10/2011		62	78	46	6.5	6	0	8	
10/11/2011		61	77	50	6.5	6	0	8	5.25 min bt greased
10/12/2011		61	73	49	6.5	6	0	7	-
10/13/2011		58	72	48	6.5	6	0	9	
10/14/2011		58	72	49	6.5	6	0	6	
10/15/2011		58	72	48	6.5	6	0	9	
10/16/2011		59	73	48	6.5	6	0	10	
10/17/2011		59	73	48	6.5	6	0	7	
10/18/2011		62	75	47	6.5	6	0	8	
10/19/2011		62	75	49	6.5	6	0	6	
10/20/2011		61	74	49	6.5	6	0	9	5 min bt
10/21/2011		61	74	48	6.5	6	0	6	
10/22/2011		62	75	48	6.5	6	0	5	
10/23/2011		62	74	48	6.5	6	0	4	
10/24/2011		61	74	48	6.5	6	0	9	
10/25/2011		61	74	48	6.5	6	0	10	
10/26/2011		61	74	48	6.5	6	0	8	
10/27/2011		60	73	48			0	9	5 min bt
10/28/2011		60	73	48			0	7	
10/29/2011		61	73	48			0		
10/30/2011		60		48			0	10	
10/31/2011		60		48			0		

Total 1496 251