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

Type Test	:	-4-4	æ		(	See Instruct	ions on Re	verse Side	9)						
] Op	en Flow	A	<u> </u>						. 51	A)- 4F					
_	liverabilt	-			Test Date 9/7/201					No. 15 -20664-00 ~	-00	ı			
Company		ource	s, inc.		0777201	·	Lease Hilt				<u> </u>	13-33	Vell Nun	nber	
					Section 33					W)	Acres Attributed 80				
						r a			Gas Gathering Connection Branch Systems Inc.						
·					Plug Bac 1777'	k Total Dept	h		Packer Set at					<u> </u>	
9				Internal I 4.052	Diameter	Set 177	at 7.49'	Perfor 1618	rations 3'		то 1646'				
Tubing Si				Internal [	Diameter	Set /C	Perfor	rations	То	-					
Type Con Single (					Type Flui Dry Ga	d Production S				it or Traveling ng Unit	Plunger?	Yes	/ No	· - · · <del>-</del> ·	
_	Producing Thru (Annulus / Tubing) Annulus				% C	Carbon Dioxi	de		% Nitrogo	en	Gas Gra	Gas Gravity - G <sub>e</sub> 6			
Vertical D 1646'	epth(H)					Pres: Flan	sure Taps ge		<del></del> _			(Meter F 2"	Run) (Pro	over) Size	
Pressure	Buildup:				0_11_at_1	:35	(AM) (PM)	) Taken 9-	-7		11 at		(A	M)(PM)	
Well on L	ine:	Sta	<sub>rted</sub> 9-7	2	0 <u>11</u> at <u>1</u>	:50	(AM) (PM)	) Taken <u>9</u> -	-8	20	11 at 2	2:35	(A	(M) (M)	
						OBSERVE	D SURFAC	E DATA			Duration	of Shut-	n 24	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter over Pressui psig (Pm)	Pressure Differential in Inches H,0	Flowing Temperature t	Well Head Temperature t	Wellhead (P <sub>w</sub> ) or (F	Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_e)$		ubing ad Pressure (P <sub>1</sub> ) or (P <sub>6</sub> )	Duration (Hours)		Liquid Produced (Barrels)		
Shut-In		-	<b>F3</b> (-7-1)	monos rigo			135	psia 149.4	psig	psia					
Flow							39	53.4			24				
						FLOW STR	EAM ATTF	RIBUTES	<del></del>					· · · · · · · · · · · · · · · · · · ·	
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Mei Prover	le one: ter or Pressure sia	Press Extension P <sub>m</sub> x h	Grav Fac F	tor T	Flowing emperature Factor F <sub>1</sub> ,	Fε	viation Metered Factor R F <sub>p+</sub> (Mcfd)		ow GOR (Cubic F Barre		et/	Flowing Fluid Gravity G <sub>m</sub>	
	<u> </u>			<del></del>	<u> </u>					17					
					•	OW) (DELIV		•					= 0.20	7	
(P <sub>c</sub> ) <sup>2</sup> =	· · · · · · · · · · · · · · · · · · ·	<u>:                                    </u>	(P <sub>w</sub> ) <sup>2</sup> =_	hoose formula 1 or 2	P <sub>a</sub> =		% (I	P <sub>c</sub> - 14.4) +	14.4 =	<del>:</del>		(P <sub>e</sub> ) <sup>2</sup>	`=		
or	$(P_e)^2 - (P_a)^2$ or $(P_a)^2 - (P_a)^2$		· (P, )²	1. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>3</sup>	1, P <sup>2</sup> -P <sup>2</sup> LOG of formula 2, P <sup>2</sup> -P <sup>3</sup> 1, or 2.		Slo	essure Curve pe = "n" - or ssigned	n x 1	.06	Antilog		Open Flow Deliverability Equals R x Antilog		
	<u> </u>			ivided by: P <sub>e</sub> <sup>2</sup> - P <sub>m</sub>		P.3-P.3	Stand	dard Slope					(A	Acfd)	
Open Flor	w			Mcfd @ 14	65 psia		Deliveral	oility		ľ	Mcfd @ 1	4.65 psi	a		
	_			behalf of the						•	rt and the	at he ha		•	
he facts s	tated the	rein, a	and that sa	id report is tru	and correc	t. Executed	this the 2		day of Di	11	(R	111	, 20	0 11	
			Wilness (if	any)					W	For C	ompany		REC	CEIVE	
			For Commi	ssion			,			Chec	ked by		APR	2 6 20	

exempt and that correct to of equip	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.  It the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named, reby request a one-year exemption from open flow testing for the Hilt 13-33
gas wel	(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
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
	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

W437 Hilt 13-33 West St. Francis St. Francis None September-11

	Tubing	g Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATIC	MCF S	PM	CYCLI	DOWN	BBLS	(Maximum length 110 characters)
9/1/2011		39	52	16	7	12		16	
9/2/2011		40	53	16	7	12		17	
9/3/2011		39	52	16	7	12		18	
9/4/2011		39	52	16	7	12		17	
9/5/2011		39	52	16	7	12		16	
9/6/2011		38	51	16	7	6		17	shut well into do state test
9/7/2011		135	59	0	7	0	24	0	opened well didn't start pumping unit hp
9/8/2011		40	53	22	7	6		8	started pumping unit
9/9/2011		40	53	18	7	12		17	
9/10/2011		40	53	19	7	12		16	
9/11/2011		40	53	19	7	12		17	
9/12/2011		39	52	19	7	12		18	
9/13/2011		38	51	19	7	12		16	
9/14/2011		40	53	19	7	12		17	
9/15/2011		38	51	18	7	12		16	
9/16/2011		37	50	17	7	12		15	
9/17/2011		38	51	14	7	12		19	
9/18/2011		37	50	14	7	12		17	
9/19/2011		38	51	12	7	6		0	no water-pumped off?, turned off pu
9/20/2011		36	49	12	7	0		0	• • • · · · •
9/21/2011		36	49	12	7	0		0	
9/22/2011		39	52	11	7	8		10	
9/23/2011		40	53	12	7	24		34	taged and started moving water at 2:00 pr
9/24/2011		39	52	15	7	12		17	-
9/25/2011		39	52	16	7	12		16	
9/26/2011		40	53	16	7	12		15	
9/27/2011		40	53	16	7	12		17	bucket test 5 min
9/28/2011		40	53	16	7	12		16	
9/29/2011		39	52	17	7	12		15	
9/30/2011		39	52	17	7			16	
10/1/2011									

Total 466 433

RECEIVED
APR 2 4 2012
KCC WICHITA

W437 Hilt 13-33 West St. Francis St. Francis None October-11

	Tubin	g Casing	•				HRS	Water	REMARKS		
DATE	PSI	PSI	STATIC N	<b>ICF</b>	SPM	CYCLE	DOWN	BBLS	(Maximum length 110 characters		
10/1/2011		39	52	17	7	12	0	16			
10/2/2011		39	51	17	7	12	0	15			
10/3/2011		39	51	17	7	12	0	16			
10/4/2011		38	51	17	7	12	0	17			
10/5/2011		40	51	17	7	12	0	17	bucket test 5 min		
10/6/2011		40	54	17	7	12	0	16			
10/7/2011		44	54	17	7	12	0	15			
10/8/2011		44	53	17	7	12	0	16	,		
10/9/2011		42	52	17	7	12	0	17			
10/10/2011		41	52	17	7	12	0	18			
10/11/2011		62	74	17	7	12	0	17			
10/12/2011		39	57	17	7	12	0	17	bucket test 5 min		
10/13/2011		41	52	17	7	12	0	16	1		
10/14/2011		39	52	17	7	12	0	17			
10/15/2011		41	52	17	7	12	0	19			
10/16/2011		39	53	17			0	18			
10/17/2011		39	52	17			0	17			
10/18/2011		39	52	17			0	16			
10/19/2011		40	53	17			0	17	bucket test 5 min		
10/20/2011		40	52	17	7	12	0	16			
10/21/2011		39		17			0				
10/22/2011		39	52	17	7	12	0	18			
10/23/2011		40	51	17	7	12	0	17			
10/24/2011		40	52	17	7	12	0	16			
10/25/2011		40	51	17			0		bucket test 5 min		
10/26/2011		39		17			0				
10/27/2011		39		17			0				
10/28/2011		39		17			0				
10/29/2011		39		17			0				
10/30/2011		38		17			0				
10/31/2011		36		17			ő				

Total 527 519

RECEIVED
APR 2 4 2012
KCC WICHITA

W437 Hilt 13-33 West St. Francis St. Francis None November-11

	Tubin	g Casing					HRS	Water	REMARKS
DATE	PSI	PSI	STATICN	<b>ACF</b>	SPM	CYCLI	DOWN	BBLS	Maximum length 110 characters
11/1/2011		37	64	17	7	12	0	15	
11/2/2011		36	52	17	7	12	0	16	
11/3/2011		37	49	17	7	12	0	17	bucket test 5 min
11/4/2011		37	48	17	7	12	0	16	
11/5/2011		38	50	17	7	12	0	15	
11/6/2011		38	49	17	7	12	0	17	
11/7/2011		36	50	17	7	12	0	16	
11/8/2011		36	57	17	7	12	0	15	
11/9/2011		37	50	17	7	12	0	17	bucket test 5 min
11/10/2011		36	50	18	7	12	0	16	
11/11/2011		36	48	17	7	12	0	15	
11/12/2011		36	49	17	7	12	0	17	
11/13/2011		36	49	17	7	12	0	17	
11/14/2011		37	48	17	7	12	0	15	
11/15/2011		42	54	17	7	12	0	16	
11/16/2011		36	51	17	7	12	0	17	bucket test 5 min
11/17/2011		35	49	16	7	12	0	17	
11/18/2011		36	49	17	7	12	0	16	
11/19/2011		35	49	17	7	12	0	17	
11/20/2011		36	49	16	7	12	0	18	
11/21/2011		37	50	17	7	12	0	17	
11/22/2011		37	50	16	7	12	0	17	bucket test 5 min
11/23/2011		36	51	17	7	12	0	16	
11/24/2011		36	51	17	7	12	0	18	
11/25/2011		37	51	17	7	12	0	17	
11/26/2011		38	51	17	7	12	0	16	
11/27/2011		39	50	17	7	12	0	17	
11/28/2011		39	50	17	7	12	0	18	
11/29/2011		40	50	17			0		bucket test 5 min
11/30/2011		40	50	17	7	12	0	16	
12/1/2011		0	0	0			0	0	

Total 508 494

RECEIVED

APR 2 4 2012

KCC WICHITA