KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instruci	tions on Re	verse Side)				
□ Ор	en Flow	DSI		Test Date				A DI	No. 15			
De	liverabilty	,		7/31/20					1-20452-	00100		
Company		ources, Inc.				Lease Yarger	·	•		2	Well N 1-11H	lumber
County Shermar	1	Locat NENW		Section 11		TWP 7S		RNG (E.	W)		Acres 80	Attributed
Field Goodlan	d			Reservoir Niobrara					hering Conn Systems In			
Completion 11/06/20				Plug Bac 3029'	k Total Dept	th		Packer \$	Set at			
Casing Si 4 1/2"	ize	Weigi 10.5		Internal E 4.000	Diameter	Set a 302			rations 5' & 1215'	To 29	940' & 12	30'
Tubing Si	Z0	Weig	ht	Internal D	Diameter	Set a	at	Perfo	rations	To)	
Type Con Single (Type Flui	d Production	n		Pump Ui Flowin	nit or Traveling	Plunger?	Yes No	
	Thru (A	nnulus / Tubin	ıg)		arbon Dioxi	de		% Nitrog		G.	as Gravity -	G
Vertical D					Pres	sure Taps			<u> </u>			Prover) Size
3084'				_	Flan	•			_	2		
Pressure	Buildup:	Shut in 7-3	30 2	14 at 1	2:05	(AM)(PM)	Taken_7-	31	20	14 at 12		(M9) (MA)
Well on L		Started 7-3	31 2	0 14 at 12	2:15	(AM)(PM)	Taken 8-	1	20	14 at 1:	05	. (AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of	Shut-in 24	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Press	Differential	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (F	Pressure	Wellhe	Tubing ad Pressure r (P ₁) ar (P ₂)	Duratio (Hours)	n Liq	uid Produced (Barrels)
Shut-In	(IIICI108)	psig (Pm)	Inches H ₂ 0	<u>'</u>	<u> </u>	psig 9	psia 23.4	psig	psia	<u> </u>		
Flow		- 			<u>-</u>	6	20.4	_		24	0	
					FLOW STR	REAM ATTR	IBUTES					
Plate Coeffiect (F _b) (F Mcfd	ient	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Faci	tor	Flowing Temperature Factor F _{f1}	Fa	iation ctor :	Metered Flow R (Mcfd)	(Ct	GOR ubic Feet/ Barrel)	Flowing Fluid Gravity G _m
									13			
				(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		<u> </u>	$(P_n)^2 = 0.$	207
(P _c)² ≃	:	(P _w) ² =	=;	P _d =		% (F	o _c - 14.4) +	14.4 =	:		$(P_d)^2 = $	
(P _c) ² - (F or (P _c) ² - (F	١.	(P _c) ² - (P _w) ²	1. P _c ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1, or 2, and divide	P.2- P.2	Slo As	ssure Curve pe ≈ "n" - or signed	n x	rog	Antilog	D .	Open Flow eliverability uls R x Antilog
	<u> </u>		divîded by: Pc2-P	2 by:		Stand	ard Slope	_			_	(Mcfd)
				-				-				
Open Flor	w		Mcfd @ 14	.65 psia		Deliverat	oility			Mcfd @ 14.	65 psia	
The u	undersigr	ed authority, o	on behalf of the	Company, s	states that h	e is duly a	uthorized to	o make ti	ne above repo	ort and that	he has kno	wledge of
the facts s	tated the	rein, and that s	aid report is tru	e and correc			3	day of _C	ecember		r=-	, 20 <u>14</u> .
			##	ĸ	Re ANSAS CORPO	eceived DRATION COM	MISSION	De	all	Ma	tau	y
		Witness	<u></u>		FEB	2 5 201	<u>5</u>			Company		
		For Com	mission		CONSEDI	ATION DIVIS	IUN		Che	cked by		

CONSERVATION DIVISION WICHITA, KS

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Yarger 21-11H gas well on the grounds that said well:
(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 is not capable of producing at a daily rate in excess of 250 mcf/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commissio staff as necessary to corroborate this claim for exemption from testing.
Received KANSAS CORPORATION COMMISSION FEB 2 5 2015 CONSERVATION DIVISION WICHITA, KS Title: Daniel Matter Matte

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.

W2290 Yarger 21-11H North Goodland Goodland None July-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
7/1/2014		5 1	8	14	0	
7/2/2014		5 1	8	14	0	
7/3/2014		5 1	8	14	0	
7/4/2014		5 1	8	14	3	
7/5/2014		5 1	8	14	0	
7/6/2014		5 1	8	14	0	
7/7/2014		5 1	8	14	0	
7/8/2014		5 1	8	13	0	
7/9/2014		5 1	8	13	0	
7/10/2014		5 1	8	13	0	
7/11/2014		5 1	8	13	0	
7/12/2014		5 1	8	13	0	
7/13/2014		5 1	8	13	0	
7/14/2014		5 1	8	13	0	
7/15/2014		5 1	8	13	3	
7/16/2014		5 1	8	13	0	
7/17/2014		4 1	7	19	0	
7/18/2014		5 1	8	13	0	
7/19/2014		5 1	8	13	0	
7/20/2014		5 1	8	13	0	
7/21/2014		5 1	8	13	0	
7/22/2014		6 1	9	12	0	
7/23/2014		6 1	9	12	0	
7/24/2014		6 1	9	12	0	
7/25/2014		6 1	9	12	0	
7/26/2014		6 1	9	12	0	
7/27/2014		6 1	9	12	0	
7/28/2014		6 1	9	12	0	
7/29/2014		6 1	9	12	0	
7/30/2014		5 1	8	15	0	shut in for state
7/31/2014		9 2	2	0	24	opened up

Total 397

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W2290 Yarger 21-11H North Goodland Goodland None August-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
8/1/2014	_	6	19	16	0	
8/2/2014		6	19	15	0	
8/3/2014		6	19	14	0	
8/4/2014		6	19	14	0	
8/5/2014		6	19	13	0	
8/6/2014		6	19	13	0	
8/7/2014		6	19	13	0	
8/8/2014		6	19	13	3	
8/9/2014		6	19	13	0	
8/10/2014	•	6	19	13	0	
8/11/2014		6	19	13	0	
8/12/2014		6	19	13	0	
8/13/2014		6	19	13	0	
8/14/2014		6	19	13	0	
8/15/2014		6	19	13	0	
8/16/2014		6	19	13	0	
8/17/2014		6	19	13	0	
8/18/2014		6	19	13	0	
8/19/2014		6	19	13	0	
8/20/2014		6	19	13	2	
8/21/2014		6	19	13	0	
8/22/2014		6	19	13	0	
8/23/2014		6	19	13	0	
8/24/2014		6	19	13	0	
8/25/2014		6	19	13	0	
8/26/2014		5	18	14	0	
8/27/2014		5	18	14	0	
8/28/2014		5	18	14	0	
8/29/2014		5	18	14	0	
8/30/2014		5	18	14	0	
8/31/2014		5	18	14	0	

Total 416

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W2290 Yarger 21-11H North Goodland Goodland None September-14

	Casing			HR	s	REMARKS
DATE	PSI	STATIC	MCF	DC	WN	(Maximum length 110 characters)
9/1/2014		5	18	14	0	_
9/2/2014		5	18	14	0	
9/3/2014		5	18	14	0	
9/4/2014		5	18	14	0	
9/5/2014		5	18	14	0	
9/6/2014		5	18	14	0	
9/7/2014		5	18	14	0	
9/8/2014		5	18	14	0	
9/9/2014		5	18	13	0	
9/10/2014	l .	5	18	13	0	
9/11/2014	ļ	5	18	13	0	
9/12/2014	1	5	18	13	0	
9/13/2014	ļ	5	18	13	0	
9/14/2014	ļ	5	18	13	0	
9/15/2014	ļ	5	18	13	0.5	
9/16/2014	1	5	18	13	0	
9/17/2014	1	5	18	14	0	
9/18/2014	1	5	18	14	0.5	
9/19/2014	‡	5	18	14	0	
9/20/2014	ļ	5	18	14	0	
9/21/2014	ļ	5	18	14	0	
9/22/2014	1	5	18	14	0	
9/23/2014	\$	5	18	14	0	
9/24/2014	1	5	18	13	0	
9/25/2014	ļ	5	18	13	0	
9/26/2014	1	5	18	13	0	
9/27/2014	1	5	18	13	0	
9/28/2014	1	5	18	13	0	
9/29/2014	1	5	18	13	0	
9/30/2014	1	5	18	13	0	
10/1/2014	1				0	

Total 405

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