KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	1	#SE		(See Instruc	tions on Re	verse Side	·)					
	en Flo				Test Date	-				No. 15				
Company					7/16/14				181	-20479-010	שו		Well Nu	
		sou	ces, Inc.				Davis					21-07H		
County Sherman	١		Locati NENW	on	Section 7		TWP 7S		RNG (E	W)			Acres A 30	ttributed
Field Goodlan	d			<u> </u>	Reservoir Niobrara	a				hering Conn Systems In				
12/22/2006 313			Plug Bac 3131'					Set at						
Casing Size Weight 4 1/2" 10.5#			Internal D 4.000	Internal Diameter Set at 4.000 3131'			Perforations 3058'			то 3073'				
Tubing Si	ze		Weigh	t	Internal I		Diameter Set at Perforations				То			
Type Con Single (Type Flui Dry Ga	d Productio	n		Pump Ur Flowin	nit or Traveling	Plunger?		(No)	
Producing Annulus		(Anr	ulus / Tubing	()	% C	arbon Diox	ide		% Nitrogen Gas Gravity - G _o				o	
Vertical D	epth(F					Pres Flan	sure Taps ge					(Meter F	Run) (Pr	over) Size
Pressure	Buildu	p:	Shut in 7-1	5 2	0 14 at 4	:40	(AM (PM)	Taken_7-	16	20	14 at	4:55	(,	AM) (PM)
Well on L	ìne:		Started 7-1	72	o <u>14</u> at <u>4</u>	:55	(AM) (PM)	Taken <u>7-</u>	18	20	14 at .	5:40	(AM)(PM)
		<u> </u>				OBSERVE	D SURFAC	E DATA			Duration	of Shut-i	_n _48	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Presso psig (Pm)	Pressure Differential in Inches H _s 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration Li (Hours)			l Produced Barrels)
Shut-In		_	1 4.9 (* 1.17)	110000		<u>_</u>	39	_{psia} 53.4	psig	psia				
Flow	-						8	22.4			48		0	
		,				FLOW ST	REAM ATTR	IBUTES						
Coefficcient M (F _b) (F _b) Prove		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m xh	Grav Fac	tor	Flowing Temperature Factor F _{I1}	Fa	iation leter pv	Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G _m	
										37				
					(OPEN FL	OW) (DELI\	/ERABILITY) CALCUL	ATIONS	-		(P _e) ²	= 0.20	07
(P _c) ² =		_:_	(P _w) ² =		P _d =		% (F	<u> 14.4) +</u>	14.4 =	<u>:</u>		(P _d) ²		
$(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_w)^2$ or $(P_c)^2 - (P_d)^2$		Choose formula 1 or 2 1. P _c ² - P _g ² 2. P _c ² - P _d ² divided by: P _c ² - P _w	LOG of formula 1. or 2. and divide p 2. p 2		Backpressure Curve Slope ≈ "n" ar Assigned Standard Slope		5 7 106		Anti	log	Deli Equals	en Flow verability R x Antilog Mcfd)		
		_												
L														
Open Flor				Mcfd @ 14.			Deliverat				Mcfd @ 1			
		_	-	n behalf of the aid report is true						ne above repo lecember	ort and th	at he ha	s knowl	edge of 20 <u>14</u> .
							Ceived			ull	M	at	esle	ep
	_		Witness (f any)	194			-		For	Company	- 30		/
			For Comm	nission		-FR	2 5 2015			Che	cked by			

CONSERVATION DIVISION WICHITA, KS

exempt and that	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
	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
l fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as I	necessary to corroborate this claim for exemption from testing.
4.	04044
Date: <u>1</u> 2	2/16/14
	Received KANSAS CORPORATION COMMISSION Signature:
	FEB 2 5 2015 Title: Production Assistant
	CONSERVATION DIVISION
	WICHITA, KS

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.

W2320

WELL ID

Davis 21-07H

LEASE NAME

North Goodland

FIELD

Goodland

AREA

None

EQUIPMENT

July-14

DATE

	Line	Casing	-		HR		REMARKS
DATE	PSI	PSI		ATIC MCF	DO	WN_	(Maximum length 110 characters)
7/1/2014		4	7	20	37	0	
7/2/2014		4	7	20	37	0	
7/3/2014		4	7	20	37	0	
7/4/2014		4	7	20	37	3	
7/5/2014		4	7	20	37	0	
7/6/2014		4	7	20	37	0	
7/7/2014		4	7	20	37	0	
7/8/2014		5	8	21	37	0	
7/9/2014		5	8	21	37	0	
7/10/2014		5	8	21	37	0	
7/11/2014		5	8	21	37	0	
7/12/2014		5	8	21	37	0	
7/13/2014		5	8	21	37	0	
7/14/2014		5	8	21	37	0	
7/15/2014		5	8	21	36	3	shut in for state
7/16/2014		5	35	48	0	24	
7/17/2014		4	39	52	0	24	opened up
7/18/2014		4	8	21	33	0	
7/19/2014		4	8	21	38	0	
7/20/2014		4	8	21	37	0	
7/21/2014		4	8	21	37	0	
7/22/2014		4	8	21	37	0	
7/23/2014		4	8	21	37	0	0 mcf, replaced battery (new)
7/24/2014		4	8	21	37	0	
7/25/2014		4	8	21	37	0	
7/26/2014		4	8	21	37	0	
7/27/2014		4	8	21	37	0	
7/28/2014		4	8	21	37	0	
7/29/2014		4	8	21	37	0	
7/30/2014		4	8	21	37	0	
7/31/2014		4	8	21	37	0	

Total

1069

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W2320 Davis 21-07H North Goodland Goodland None August-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
8/1/2014		9	22	37	0	
8/2/2014		9	22	37	0	
8/3/2014		9	22	37	0	
8/4/2014		9	22	37	0	
8/5/2014		9	22	37	0	
8/6/2014		9	22	37	0	
8/7/2014		9	22	37	0	
8/8/2014		9	22	37	3	
8/9/2014		9	22	37	0	
8/10/2014		9	22	37	0	
8/11/2014		9	22	37	0	
8/12/2014		9	22	37	0	
8/13/2014		9	22	37	0	
8/14/2014		8	21	37	0	
8/15/2014		8	21	37	0	
8/16/2014		8	21	37	0	
8/17/2014		8	21	37	0	
8/18/2014		8	21	37	0	
8/19/2014		8	21	37	0	
8/20/2014		8	21	37	2	
8/21/2014		8	21	37	0	
8/22/2014		8	21	37	0	
8/23/2014		8	21	37	0	
8/24/2014		8	21	37	0	
8/25/2014		8	21	37	0	
8/26/2014		8	21	37	0	
8/27/2014		8	21	37	0	
8/28/2014		8	21	37	0	
8/29/2014		8	21	37	0	
8/30/2014		8	21	37	0	
8/31/2014		8	21	37	0	

Total 1147

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W2320 Davis 21-07H North Goodland Goodland None

September-	1	4
Depternoor-		7

	Casing				RS	REMARKS
DATE	PSI	STATIC	MCF	D	OWN	(Maximum length 110 characters)
9/1/2014		8 2	1	38	0	
9/2/2014		8 2	1	38	0	
9/3/2014		8 2	1	38	0	
9/4/2014		8 2	1	38	0	
9/5/2014		8 2	1	38	0	
9/6/2014		8 2	1	38	0	
9/7/2014		8 2	1	38	0	
9/8/2014		8 2	1	38	0	
9/9/2014		8 2	1	38	0	meter showed 17, rplcd bat
9/10/2014		8 2	1	38	0	
9/11/2014		8 2	1	38	0	
9/12/2014		8 2	1	38	0	
9/13/2014		8 2	1	38	0	
9/14/2014		8 2	1	38	0	
9/15/2014		8 2	1	38	0.5	
9/16/2014		8 2	1	38	0	meter showed 15, check dl
9/17/2014		8 2	1	38	0	
9/18/2014		8 2	1	38	0.5	
9/19/2014		8 2	1	38	0	
9/20/2014		8 2	1	38	0	
9/21/2014		8 2	1	38	0	
9/22/2014		8 2	1	38	0	
9/23/2014		8 2	1	38	0	
9/24/2014		8 2	1	38	0	meter blank, replaced battery
9/25/2014		8 2	1	38	0	
9/26/2014		8 2	1	38	0	
9/27/2014		8 2	1	38	0	
9/28/2014		8 2	1	38	0	
9/29/2014		8 2	1	38	0	
9/30/2014		8 2	1	38	0	
10/1/2014					0	_

Total 1140

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