KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instruc	tions on Re	verse Side))				
□ Ор	en Flow	MST										
De	liverabilty	·		Test Date 6/2/2019					No. 15 81 - 20420-0	000		
Company		urces				Lease G. Ihrig					Well Nu	mber
County Shermar	n	Locat NWSV		Section 15		TWP 7S		RNG (EA	N)		Acres A	Attributed
Field Goodlan	 nd		-	Reservoir Niobrara					ering Conn			
Completic 3/25/200				Plug Bac	k Total Dep	th		Packer S	et at			
Casing Si 2 7/8"	ize	Weigl 6.5#	nt	Internal E 2.441	Diameter	Set :		Perfor 928'	ations	то 958'		
Tubing Si	ize	Weigi		Internal I	Diameter	Set		Perfor	ations	То		
Type Con Single (Type Flui Dry Ga	d Production	n		Pump Uni	t or Traveling	Plunger? Yes	/ (No)	
		nnulus / Tubin	g)		Carbon Dioxi	de		% Nitroge		Gas Gr	avity - 0	
Annulus										.6		
Vertical D	epth(H)					sure Taps				(Meter i	Run) (Pi	rover) Size
1117'		6-1		_ 15 . 3	Flan :35	<u> </u>	6-	.2		15 _{at} 3:45		AM)(PM)
Well on L	•	Shut in 6-2		0 15 at 3		(AM) (PM)				at	,	AM)(PM)
	e.	Starteu		at		(VIAI) (CIAI)	r lakeli			at		
		T 200			OBSERVE	D SURFAC			<u></u>	Duration of Shut-	in 24	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Press		Flowing Temperature t	Well Head Temperature t	Wallhaari		Wellhea	ubing d Pressure (P ₁) or (P _c)	Duration (Hours)		d Produced Barrels)
Shut-In		psig (Pm)	Inches H ₂ 0			psig 15	psia 29.4	psig	psia		 	
Flow			_			5	19.4			24	0	
					FLOW STR	REAM ATTR	IBUTES	.1. <u></u>				
Plate Coeffied (F _b) (F Mcfd	ient p) F	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F ₁ ,	Fa	riation actor = pv	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
									10			
(P _c) ² =		(P _w) ² =		•	OW) (DELIV) CALCUL P _a - 14.4) +		,	(P _a)	²= 0.2	07
			Choose formula 1 or 2			Backpre	ssure Curve				T	en Flow
(P _c) ² - (F or (P _c) ² - (F		(P _c)² - (P _w)²	1. P _c ² -P _d ² 2. P _c ² -P _d ²	formula 1. or 2, and divide	P _c ² - P _w ²	A s	pe = "n" - or signed	- nxL	og	Antilog	Equals	iverability R x Antilog (Mcfd)
	-	-	divided by: Pc2-Pw	by:	<u> </u>	Stant	lard Slope					·
					_							
Open Flor			Mcfd @ 14.			Deliverat				Mcfd @ 14.65 ps		
	_	•	n behalf of the aid report is true			•				rt and that he ha	,	20 15 .
				KC	C WIC	HITA		au		May	tin	W
		Witness		A	PR 07	2016				Company		
		For Com	nission		RECEI	VED			Che	cked by		

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 theG. Ihrig 13-15
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 Commission
staff as necessary to corroborate this claim for exemption from testing.
Date: 12/22/15
Signature:
APR 0.7 2016
RECEIVED

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.

W2054 G. Ihrig 13-15 North Goodland Goodland None June-15

	Casing	<u>.</u>		H	RS _	REMARKS
DATE	PSI	STATIC	MCF	D	NWC	(Maximum length 110 characters)
6/1/2015	15	28	}	0	24	
6/2/2015	15	28	}	0	24	
6/3/2015	13	26	,	12	0	
6/4/2015	11	24	ļ.	12	0	
6/5/2015	10	23		12	0	
6/6/2015	9	22	?	12	0	
6/7/2015	9	22	?	12	0	
6/8/2015	8	21		13	0	
6/9/2015	8	20	1	13	0	
6/10/2015	7	20)	13	0	
6/11/2015	7	19)	13	0	
6/12/2015	7	19)	12	0	
6/13/2015	7	20)	10	4	
6/14/2015	7	' 19)	12	0	
6/15/2015	7	19	i	12	0	
6/16/2015	5	19)	11	0	
6/17/2015	5	19)	11	0	
6/18/2015	5	18	}	12	0	
6/19/2015	5	18	}	10	0	
6/20/2015	5	19	•	9	1	
6/21/2015	5	18	;	11	0	
6/22/2015	5	18	3	10	0	
6/23/2015	5	18	}	11	0	
6/24/2015	5	18	}	10	0	bp
6/25/2015	5	19)	8	2	
6/26/2015	5	18	;	11	0	
6/27/2015	5	18	}	11	0	
6/28/2015	5	18	3	11	0	
6/29/2015	5	18	3	11	0	
6/30/2015	5	18	}	11	0	
7/1/2015		C)	0	0	

Total

316

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W2054 G-Thire 13-15: 1

North Goodland Goodland

None

July-14

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

Total 257

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G. Thrig 13-15

North Goodland

Goodland

None

August-14

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

Total 310

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