Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	:			(See Instruct	ions on Re	verse Side)				
Op	en Flow	AST										
	liverabilty			Test Date 6/2/2015					No. 15 -20326-00 0	D		
Company				0/2/2010		Lease				1-3	Well Nur	nber
Rosewo	oa Keso					Crouch				1-3	A A	
County Shermar	1	Locati SWNE	on 	Section 3		TWP 7S		RNG (E/ 39W			Acres At	tributea
Field Goodlan	d			Reservoir Niobrara					hering Conn Systems In			
Completic 8-19-200			-	Plug Baci 1201'	k Total Dept	h		Packer S	Set at			
Casing Si 4 1/2"	ize	Weigh 9.5#	t	Internal D 4.090	Diameter	Set a		Perfo 100	rations 7'	To 1037	•	
Tubing Si	ze	Weigh	t	Internal D	Diameter	Set a	ıt	Perfo	rations	То		
Type Con Single (Type Fluid	d Production	1		Pump Ur Flowin	nit or Traveling	g Plunger? Yes	s / No	
Producing	Thru (A	nnulus / Tubing	3)	<u>-</u>	arbon Dioxi	de		% Nitrog	<u> </u>	Gas 6	aravity - G	
Annulus Vertical D					Proc	sure Taps					Run) (Pro	over) Size
1037'	eptii(i i)				Flan	ge				2"		
Pressure	Buildup:	Shut in <u>6-1</u>								15 at 12:10		M)(PM)
Well on L	ine:	Started 6-2	2	0 <u>15</u> at 12	2:10	(AM) (PM)	Taken 6-	3	20	15 at 1:00	(/	M)(PM)
					OBSERVE	D SURFACI	E DATA			Duration of Shu	1t-in 24	Hours
Static / Dynamic	Orifice Size	Circle one: Meter Prover Pressu	Pressure Differential in	Flowing Temperature	Well Head Temperature	Cas Wellhead (P _w) or (P	Pressure	Wellhe	Tubing ad Pressure r (P ₁) or (P ₂)	Duration (Hours)		Produced arrels)
Property	(inches)	psig (Pm)	Inches H ₂ 0	t	t	psig	psia	psig	psia	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	ļ.,	
Shut-In						14	28.4				-	
Flow					L	6	20.4			24	0	
			 		FLOW STR	EAM ATTR	IBUTES					
Plate Coeffied (F _b) (F Mcfd	ient p) F	Circle one: Meter or Prover Pressure psia	Press Extension √ P _m x h	Grav Fact	tor	Flowing Femperature Factor F _{f1}	Fa	ation ctor : pv	Metered Flow R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
			<u> </u>				1		9	_		-
				(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(P	$a^{2} = 0.20$	7
(P _c) ² =	:	(P _w) ² =	<u> </u>	P _d =		% (F	² _c - 14.4) +	14.4 =	 :_	(P) ² =	
(P _c) ² - (I or (P _c) ² - (I	-	(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 _c ² - P _w ²	Slop As:	ssure Curve oe = "n" - or signed	n x	LOG	Antilog	Deliv Equals	en Flow erability R x Antilog Mcfd)
	-+		divided by: P _c ² - P _w ²	by:		Stand	ard Slope	+-				
						_						
Open Flo	w		Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 p	sia	
										ort and that he I		
the facts s	tated ther	ein, and that sa	aid report is true				2	day of _D	ecember	111	, 2	0 15 .
		Witness (f any)	KC	C WIC	HITA		Jai	NM For	Company	luy	<u>/</u>
		For Comm		A	PR 0.7	2016		_	Che	cked by		
					OWN WIND AND PROPER							

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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 Crouch 1-3
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
KCC WICHITA Title: Production Assistant 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.

W396 Crouch 1-3 North Goodland Goodland None June-15

	Casing]	IRS	REMARKS
DATE	PSI	STATIC	MCF	1	DOWN	(Maximum length 110 characters)
6/1/2015	14	26	i	0	24	
6/2/2015	14	27	,	0	24	
6/3/2015	12	. 25	i	11	0	
6/4/2015	11	24		11	0	
6/5/2015	10	23	i	11	0	
6/6/2015	9	22	•	11	0	
6/7/2015	8	21		11	0	
6/8/2015	7	20)	12	0	
6/9/2015	7	20)	12	0	
6/10/2015	7	20)	12	. 0	
6/11/2015	6	19)	12	0	
6/12/2015	6	19	r	11	0	
6/13/2015	6	19	•	9	4	
6/14/2015	6	19	ı	11	0	
6/15/2015	5	18		11	0	
6/16/2015	5	18		10	0	
6/17/2015	5	18		10	0	
6/18/2015	5	18		11	0	
6/19/2015	5	18		9	0	
6/20/2015	5	18		9	1	
6/21/2015	5	18		10	0	
6/22/2015	5	18		9	0	
6/23/2015	5	18		9	0	
6/24/2015	5	18		9	0	
6/25/2015	5			8	2	
6/26/2015	5	18		10	0	
6/27/2015	4	17	,	10	0	
6/28/2015	4	17	•	9	0	
6/29/2015	4	17		9	0	
6/30/2015	4	17		9	0	
7/1/2015		0	1	0	0	

Total 286

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W396 Crouch 1-3 North Goodland Goodland None July-14

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

Total 214

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W396 Crouch 1-3 North Goodland Goodland None August-14

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

Total 279

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