KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:	~10	Γ		(See Instruc	tions on Rev	erse Side	9)				
∐ Op	en Flow	#S	<u>ا</u>		Test Date	ə:			API	No. 15			
De	liverabil	ty			10/1/14	, .				181-20416-0	0000		
Company		ources					Lease G. Ihrig				13-20	Well Nu	ımber
County Location Sherman NWSW				Section 20	TWP 7S				Acres Attributed 80				
Field Goodland					Reservoir Niobrara				hering Conn Systems In				
Completion Date 3/22/2006					Plug Back Total Depth 1177'				Packer S	· 		_	
Casing Size Weight 2.7/8" 6.5#			t	Internal E 2.441		Set at 1177.67'		rations 2'	то 1098'				
Tubing Si	ize		Weigh	t	Internal E	Set at	Set at Pe		Perforations		То		
Type Con Single (Type Flui Dry Ga	d Production	n		Pump Ur Flowin	it or Traveling	Plunger? Yes	7 (No	
Producing		Annulus	/ Tubing	3)	% Carbon Dioxide				% Nitrog	en		Gas Gravity - G _g .6	
Vertical D					Pressure Taps							Run) (P	rover) Size
Pressure	Buildup	: Shut	in 9-3	0 2	Flange				D- 1	20			AM(PM)
Well on L	Well on Line: Started 10-1			12	20 14 at 3:00 (AM) (PM) Taken 10				20	14 at 3:50		(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shu	_{t-in} _24	Hour
Static / Dynamic Property	Static / Orifice Meter Dif Dynamic Size Prover Pressure Property (inches)		Pressure Differential In Inches H ₂ 0	al Flowing Well Head Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _o)		Tubing Wellhead Pressure (P _w) or (P _c) or (P _d)		Duration (Hours)		d Produced Barrels)	
Shut-In		+					psig 15	psia	psig	psia	_		_
Flow							6	20.4			24	0	_
_				·		FLOW STR	REAM ATTRI	BUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Meter or Extensi		Press Extension ✓ P _m xh	Facioi		Flowing Temperature Factor F _{rt}	emperature Factor		Metered Flor R (Mcfd)	w GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
						_				14			
(P _c) ² =			(P)2 =		•		'ERABILITY) % (P.	CALCUL - 14.4) +			_)²	07
(P _c) ² - (I or (P _c) ² - (I	P _a)²	(P _c) ² -	(P _w) ²	Choose formula 1 or 2 1. P _c ² - P _c ² 2. P _c ² - P _d ² divided by: P _c ² - P _w	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpres Stop Ass	sure Curve e = "n" origned rd Slope	n x l	-oe []	Antilog	O _l Del Equals	pen Flow iverability is R x Antilog (Mcfd)
-						-							
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabi	litv			Mcfd @ 14.65 p	sia.	
		ned aut	hority, o		· · ·	states that h	_	-	to make th	e above repo	ort and that he h		ledge of
the facts s	tated th	erein, ar	nd that sa	aid report is tru	e and correc	t. Executed	this the _16			11	11. +		20 14
			Witness (i	f any)	}	KCC-W	/ICHIT	\leftarrow	An		///OTU Company	use	
		_		ingles		FEB 2	3 2015 -			01-	cked by		
			For Comm	IISSIDTI		ے بہتا د	. rain			Che	cked by		

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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 G. Ihrig 13-20
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: 12/16/14
KCC WICHITAignature: <u>Munual Matturof</u> FEB 23 2015 Title: <u>Production Assistant</u> 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.

W2055 G. little 13-20

North Goodland

Goodland

None

September-14

	Casing			H	RS	REMARKS
DATE	PSI	STATIC	MCF	D	NWC	(Maximum length 110 characters)
9/1/2014		6	9	15	0	
9/2/2014		6 1	9	15	0	
9/3/2014		6	9	15	0	
9/4/2014		6 1	9	15	0	
9/5/2014		6 1	9	15	0	
9/6/2014		6 1	9	15	0	
9/7/2014		6	9	15	0	
9/8/2014		6 1	9	15	0	
9/9/2014		6 1	9	14	0	
9/10/2014		6	9	14	0	
9/11/2014	·	6	9	14	0	
9/12/2014		6 1	9	14	0	
9/13/2014		6 1	9	14	0	
9/14/2014		6	9	14	0	
9/15/2014		6 i	9	14	0.5	
9/16/2014		6 1	9	14	0	
9/17/2014		6 1	9	14	0	
9/18/2014		6 1	19	14	0.5	
9/19/2014		6 1	9	14	0	
9/20/2014		6 1	9	14	0	
9/21/2014		6 1	9	14	0	
9/22/2014		6	9	14	0	
9/23/2014		6	9	14	0	
9/24/2014		6 1	9	14	0	
9/25/2014		6	19	14	0	
9/26/2014		6 1	9	14	0	
9/27/2014		6 1	9	14	0	
9/28/2014		6	19	14	0	
9/29/2014		6	19	14	0	
9/30/2014		5	8	14	0	shut in for state
10/1/2014		0	0	0	0	opened up

Total 428

KCC WICHITA FEB 2 3 2015 RECEIVED W2055

1-1-2

G! Ihrig 13 20

North Goodland

Goodland

None

October-14

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

Total 429

KCC WICHITA FEB 23 2015 RECEIVED W2055

G. Ihde 13-20 4

North Goodland

Goodland

None

November-14

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOW	N	(Maximum length 110 characters)
11/1/2014		5	18	14	0	
11/2/2014		5	18	14	0	
11/3/2014		5	18	14	0	
11/4/2014		5	18	14	0	
11/5/2014		5	18	14	0	
11/6/2014		5	18	14	0	
11/7/2014		5	18	14	0	
11/8/2014		5	18	14	0	
11/9/2014		5	18	14	0	
11/10/2014		5	18	14	0	
11/11/2014		5	18	14	0	
11/12/2014		4	17	11	0	
11/13/2014		4	17	14	0	
11/14/2014		4	17	13	0	
11/15/2014		4	17	13	0	
11/16/2014		4	17	12	0	
11/17/2014		4	17	12	0	
11/18/2014		4	17	13	0	
11/19/2014		4	17	14	0	
11/20/2014		4	17	15	0	
11/21/2014		4	17	14	0	
11/22/2014		4	17	17	0	
11/23/2014		4	17	16	0	
11/24/2014		4	17	15	0	
11/25/2014		4	17	14	1.5	bp
11/26/2014		4	17	15	0	
11/27/2014		4	17	16	0	
11/28/2014		4	17	16	0	
11/29/2014		4	17	15	0	
11/30/2014		4	17	15	0	
12/1/2014					0	

Total 424

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