KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t: ,		~~~		((See Instruc	tions on Re	everse Side	9)				
Or	en Flo	w	SSL		Test Date	a·			ДР	l No. 15			
☐ De	eliverab	ilty			10/6/20					1-20427-01-	00		
Company		sou	rces, Inc.				Lease G. Ihri	g			21-20	Well Number H	
					Section 20					RNG (E/W) Acres Attributed 39W 80			
Field Goodlar	nd				Reservoi Niobrar					thering Conn Systems In			
Completi 8/29/20		е			Plug Bad 3266'	k Total Dep	th		Packer	Set at			
Casing Size Weight I			Internal I 4.000	Internal Diameter Set at 4.000 3266'			Perfo	orations 17'	To 3212'	1 1111111111111111111111111111111111111			
Tubing S	ize		Weigh	nt	internal I	Internal Diameter Set at			Perfo	orations	То		
Type Cor Single (Type Flui Dry Ga	d Production	n		Pump U Flowir	nit or Traveling	Plunger? Yes	/ (No	
	•		rulus / Tubin	g)		Carbon Dioxi	ide		% Nitro		Gas Gra	avity - G _q	
Annulu			and the second second	7/11/2	·····						.6	<u> </u>	
Vertical E	Depth(H	l) 				Pres Flan	sure Taps ; ge				(Meter F 2"	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in 10-	6 2	07 at 9	:00	(AM) (PM)	Taken_10)-7	20	07 at 11:00	(AM) (PM)	
Well on L	.ine:	;	Started 10-		07 at 1		_	Taken 10			07 at 9:30	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n_24Hours	
Static / Dynamic Property	Dynamic Size Meter		Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			paig (1717)	inches H ₂ 0			psig 40	54.4	psig	psla			
Flow							34	48.4			24	0	
	İ			I		FLOW STR	EAM ATT	RIBUTES					
Plate Coeffiec (F _b) (F Mcfd	ient		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Femperature Factor	Fa	iation ctor : pv	Metered Flow R (Mcfd)	y GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
										25			
					(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS			= 0.207	
(P _c) ² =	Г	:	(P _w) ² =	Choose formula 1 or 2	P _d =		% (I	P _c - 14.4) +	14.4 =	:	(P _d) ²	=	
(P _c) ² - (F or (P _c) ² - (F		(P	c)2 - (P _w)2	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slo	essure Curve pe = "n" - or signed lard Slope	n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flov	A/			Mcfd @ 14.	65 psia		Dolivorsk	NII+.			Mofd @ 14 SE poi		
					`		Deliverat				Mcfd @ 14.65 psia		
				i behalf of the lid report is true						ecember	rt and that he has	knowledge of	
			-				RECEIVE		7	- h	/ //	16	
			Witness (i	any)		KANSAS CO			ION	For C	company	<u> </u>	
		w	For Comm	ission			N 152	กกอ		Chec	ked by	±1111-1-111-1-1-1-1-1-1-1-1-1-1-1-1-1-1	

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request								
exempt st	atus under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc.								
and that t	he 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								
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.								
l here	by request a one-year exemption from open flow testing for theG. Ihrig 21-20H								
gas well o	n 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 furth	er agree to supply to the best of my ability any and all supporting documents deemed by Commissio								
taff as ne	cessary to corroborate this claim for exemption from testing.								
oate: 12/	10/2007								
	Signature: /am W/ Loelf								
	Title: Production Foreman								
	Title: 1 Todadion Tolonidi								

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.

RECEIVED
KANSAS CORPORATION COMMISSION

W2269 G. Ihrig 21-20H North Goodland Goodland None October-07

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters
10/1/2007	35	48	. 2	26 ()
10/2/2007	35	48	3	26 ()
10/3/2007	35	48	2	26 0)
10/4/2007	35	48	2	26 0)
10/5/2007	35	48	2	26 0	
10/6/2007	34	47	. 2	26 0) si 9:am cp34
10/7/2007	40	53		2 0	open 11am cp40
10/8/2007	35	48	. 2	2 0)
10/9/2007	34	47	2	6 0)
10/10/2007	34	47	2	6 0)
10/11/2007	34	47	2	6 0	1
10/12/2007	34	47	2	6 0	•
10/13/2007	34	47	2	6 0	1
10/14/2007	34	47	2	6 0	•
10/15/2007	34	47	2	6 0	
10/16/2007	34	47	2	5 0	
10/17/2007	34	47	2	5 0	
10/18/2007	34	47	2	5 0	
10/19/2007	34	47	2	5 0	
10/20/2007	34	47	2	5 0	
10/21/2007	34	47	2	5 0	
10/22/2007	34	47	2	5 0	
10/23/2007	33	46	2	4 0	
10/24/2007	33	46	2	4 0	
10/25/2007	33	46	2	4 0	
10/26/2007	33	46	2	4 0	
10/27/2007	33	46	2	4 0	
10/28/2007	· 33	46	. 24	4 0	
10/29/2007	33	46	2	4 0	
10/30/2007	33	46	24	4 0	
10/31/2007	33	46	24	4 0	

Total 753

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W2269

G. Ihrig 21-20H

North Goodland

Goodland

None

November-07

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
11/1/2007	3	2 45	2	4	0
11/2/2007	3	2 45	5 2	3	0
11/3/2007	3.	2 45	2	3 (0
11/4/2007	3	2 45	2	3 (0 bp
11/5/2007	. 3	2 45	2	3 (0
11/6/2007	3	2 45	2	3 (0
11/7/2007	3:	2 45	2	3 (0
11/8/2007	3:	3 46	2.	2 (б bp
11/9/2007	3	1 44	2:		3
11/10/2007	3	1 44	2:	3 (0
11/11/2007	3	1 44	2:	3 ()
11/12/2007	3	1 44	24	4 ()
11/13/2007	3	i 44	24	4 ()
11/14/2007	3	1 44	24	4 1	1
11/15/2007	3	I 44	2:	3 3	3 bp
11/16/2007	3	l 44	23		-
11/17/2007	3′	7 50	10) 7	7
11/18/2007	3	l 44	1:	5 ()
11/19/2007	30) 43	23	3 () bp
11/20/2007	30) 43	23		
11/21/2007	30) 43	23	3 0)
11/22/2007	30) 43	22	2 2	2
11/23/2007	30) 43	22	2 2	2
11/24/2007	30	43	22	2 0	·
11/25/2007	30	43	22	2 0)
11/26/2007	31	. 44	22	2 2	2
11/27/2007	30) 44	22	2 0)
11/28/2007	30	43	22	2 0)
11/29/2007	30	43	22	2 0	
11/30/2007	29	42	21	3	bp
12/1/2007				0	-

Total

661

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W2269
G. Ihrig 21-20H
North Goodland
Goodland
None
December-07

•	Casing				HRS	}	REMARKS
DATE	PSI	,	STATIC	MCF	DOV	VN	(Maximum length 110 characters)
12/1/2007		29	42		20	0	
12/2/2007		29	42		20	2	bp
12/3/2007		29	42		20	0	
12/4/2007	•	28	41		22	0	
12/5/2007		28	41		22	0	bp
12/6/2007		28	41		22	0	
12/7/2007		28	41		22	0	
12/8/2007		28	41		22	0	
12/9/2007		28	41		22	0	•
12/10/2007		29	42		22	0	bp
12/11/2007		29	42		22	0	•
12/12/2007		28	41		20	0	
12/13/2007		28	41		20	0	bp
12/14/2007		28	41		20	0	
12/15/2007		28	41		20	0	
12/16/2007		28	41		20	0	
12/17/2007		27	40		21	0	bp
12/18/2007						0	-
12/19/2007						0	
12/20/2007						0	
12/21/2007						0	
12/22/2007						0	
12/23/2007						0	
12/24/2007						0	
12/25/2007						0	
12/26/2007						0	
12/27/2007						0	
12/28/2007						0	
12/29/2007						0	
12/30/2007						. 0	
12/31/2007						0	

357

Total

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