KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test		MICT		(See Instruct	ions on Rev	verse Side)			
Deliverabilty				Test Date: API No. 15 8/8/2008 15-181-20443-00							
		***************************************		8/8/200	3			15-	181-20443-0		MACH No.
Company Rosewo		ources				Lease Leonard	l			23-29	Well Number
County Sherman	n	Locati NESW	on	Section 29		TWP 7S		RNG (E 39W	W)		Acres Attributed 80
Field Goodlan	ıd	14 (M. 14		Reservoir Niobrara					hering Conne Systems Inc		
10/23/20	006			Plug Bac 1268'	k Total Dept	h		Packer S	Set at		
Casing S 4 1/2"	ize	Weigh 10.5#		Internal D 4.052	Diameter	Set a 1267		Perfo 103	rations 6'	то 1074'	
Tubing Si	ize	Weigh	t	Internal [Diameter	Set a	t	Perfo	rations	То	
		Describe)		Type Flui Dry Ga	d Production	 1		Pump Ur Flowin	nit or Traveling	Plunger? Yes	/ No
		nnulus / Tubin	9)		arbon Dioxi	de		% Nitrog		Gas Gr	avity - G _a
Annulus										.6	
Vertical D	epth(H)				Press Flan	sure Taps ge				(Meter F 2"	Run) (Prover) Siz
Pressure	Buildup:	Shut in 8-8	2	08 at 8	:00	(PM)	Taken 8-	9	20	08 _{at} 9:12	(AM)(PM)
Well on L	ine:	Started 8-9		08 at 9		(AM) PM)	Taken 8-	10		08 _{at} 9:50	(AM) (PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in Hou
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H _a 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead (P _w) or (P	Pressure) or (P _c)	Wellhe	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		F-13 (1 m)				psig 39	53.4	psig	psia		
Flow						29	43.4			24	0
	,				FLOW STR	EAM ATTRI	BUTES				
Plate Coeffiec (F _b) (F Mcfd	ient	Circle one: Meter or Prover Pressure psia	Press Extension P _m xh	Grav Fact	tor T	Flowing emperature Factor F ₁₁	Fa	iation ctor : pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m
									19		
				(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P _a) ²	2 = 0.207
(P _c) ² =		(P _w) ² =		P _d =	9	6 (P	_c - 14.4) +	14.4 =	: :	(P _d):	? =
(P _c)² - (F or (P _c)² - (F	P _a) ²	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide	P _c ² -P _w ²	Slop	ssure Curve e = "n" or signed ard Slope	n x l	.og []	Antilog	Open Flow Deliverability Equals R x Antilo (Mcfd)
						į					
Open Flor	w		Mcfd @ 14.	65 psia		Deliverab	lity		ĺ	Mcfd @ 14.65 psi	a
	-	•				•			e above repo ovember	rt and that he ha	s knowledge of \int_{20}^{20}
ine facts s	iated the	rein, and that sa	uid report is true			CEWED		uay or	11)	Mode	B 30 30
· · · · · · · · · · · · · · · · · · ·		Witness (i	fany)	KA)	VSAS CORR	IRAHON GO		000	For C	ompany	
		For Comm	ission		- Ja n	2 9 203	9		Chec	ked by	

exempt statu and that the correct to the of equipmen	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request as under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. foregoing pressure information and statements contained on this application form are true and a best of my knowledge and belief based upon available production summaries and lease records t installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the Leonard 23-29
gas well on t	he grounds that said well:
l further	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 agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
	Signature:

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 of signed and dated on the front side as though it was a verified report of annual test results.

JAN 29 2009



W2324 Leonard 23-29 North Goodland Goodland None August-08

	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
8/1/2008	2	9 42	19	2	
8/2/2008	2			0	
8/3/2008	2	9 42	19	0	
8/4/2008	2	9 42	19	0	
8/5/2008	2	9 42	19	0	
8/6/2008	2	9 42	19	0	
8/7/2008	3.	5 48	6	5.5	
8/8/2008	3	52	0	5	
8/9/2008	3	52	0	24	
8/10/2008	3	52	0	0	
8/11/2008	34	47	16	0	
8/12/2008	39	52	4	0	
8/13/2008	34	47	18	0	
8/14/2008	34	47	18	0	
8/15/2008	34	47	18	0	
8/16/2008	34	47	18	0	
8/17/2008	34	47	17	0	
8/18/2008	33	3 46	14	0	
8/19/2008	33	3 46	18	0	
8/20/2008	3	l 44	20	0	
8/21/2008	3	l 44	10	7	
8/22/2008	3	44	19	0	
8/23/2008	3	l 44	20	0	
8/24/2008	3:	44	20	0	
8/25/2008	30	43	20	0	
8/26/2008	30	43	20	0	
8/27/2008	30) 43	19	0	
8/28/2008	30	43	19	0	
8/29/2008	30	43	19	0	
8/30/2008	30	43	19	0	
8/31/2008	30) 43	19	0	

Total 485

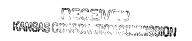


JAN 29 2009

W2324 Leonard 23-29 North Goodland Goodland None September-08

	Casing			HRS		REMARKS
DATE	PSI	STATIC	MCF	DOWN		(Maximum length 110 characters)
9/1/2008	30	43		19	0	
9/2/2008	30	43		19	0	
9/3/2008	30	43		19	0	
9/4/2008	32	45		8	0	
9/5/2008	32	45		8	0	
9/6/2008	30	43		20	0	
9/7/2008	30	43		20	0	
9/8/2008	30	43		19	0	
9/9/2008	30	43		19	0	
9/10/2008	30	43		19	8	
9/11/2008	31	44		13	0	
9/12/2008	30	43		19	0	
9/13/2008	30	43		19	0	
9/14/2008	30	43		19	0	
9/15/2008	30	43		19	0	
9/16/2008	30	43		19	0	
9/17/2008	30	43		19	0	
9/18/2008	29	42		19	0	
9/19/2008	29	42		19	0	
9/20/2008	29	42		19	0	
9/21/2008	29	42		19	0	
9/22/2008	29	42		19	0	
9/23/2008	29	42		19	0	
9/24/2008	29	42		19	0	
9/25/2008	29	42		20	0	
9/26/2008	29	42		20	0	
9/27/2008	29	42		19	0	
9/28/2008	29	42		19	0	
9/29/2008	29	42		19	0	
9/30/2008	29	42		19	0	
10/1/2008					0	

Total 546



W2324 Leonard 23-29 North Goodland Goodland None October-08

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	Casing			HRS	REMARKS
DATE	PSI	STATIC	MCF	DOWN	(Maximum length 110 characters)
10/1/2008	2	9 42	19	0	
10/2/2008	2	9 42	19	0	
10/3/2008	2	9 42	19	0	
10/4/2008	2	9 42	19	0	
10/5/2008	3-	4 47	8	16	
10/6/2008	2	9 42	15	5	
10/7/2008	2	9 42	18	0	
10/8/2008	3	0 43	19	0	
10/9/2008	2	9 42	18	0	
10/10/2008	2	9 42	18	0	
10/11/2008	2	9 42	18	0	
10/12/2008	2	9 42	18	0	
10/13/2008	2	9 42	18	9.5	
10/14/2008	2	9 42	13	3	
10/15/2008	2	9 42	18	0	
10/16/2008	2	9 42	18	0	
10/17/2008	3	0 43	19	0	
10/18/2008	3	0 43	19	0	
10/19/2008	3	0 43	19	0	
10/20/2008	3	0 43	19	0	
10/21/2008	3	0 43	19	0	
10/22/2008	3	0 43	19	0	
10/23/2008	3	0 43	19	0	
10/24/2008	2	9 42	19	0	
10/25/2008	2	9 42	19	0	
10/26/2008	2	9 42	19	0	
10/27/2008	2	9 42	19	0	
10/28/2008	2	9 42	19	0	
10/29/2008	2	9 42	19	0	
10/30/2008	2	9 42	19	0	
10/31/2008	2	9 42	19	0	

Total 560

