KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:		_		(See Instruc	ctions on Rev	erse Side))				
Op	en Flo	w	Ø SI		T D1				4.51	No. 45			
De	liveral	bilty			Test Date 8/8/200				API 181-	No. 15 20347-00 -	00		
Company							Lease		,			Well (Number
Rosewo		esou	rces				Harden				1-	-4	
County Shermai	n		Locat SWNE	ion	Section 4		TWP 7S		RNG (E.	W)		Acres	Attributed
Field Goodlan					Reservoir					hering Conn Systems In			
Completio						k Total Dep			Packer S				
7/24/200)4				1198'								
· ·			Internal 0 4.052	Diameter	Set a 121 1		Perforations 1024') 054'			
Tubing Si	ize		Weigh	nt	Internal [Internal Diameter Set at			Perforations)	
Type Con Single (, ,	Type Flui Dry Ga	d Productio	on		Pump Ur Flowin	nit or Traveling	Plunger?	Yes (No	
Producing	g Thru	(An	nulus / Tubin	g)	% C	arbon Diox	ide		% Nitrog	en	G	as Gravity	- G _a
Annulus	S										.6	3	•
Vertical D	epth(H)					ssure Taps		-				(Prover) Size
1054'	······································					Flan	nge				2		
Pressure	Buildu	•	Shut in		08 at 8		(AM)(PM)				08 at 10		_ (AM) (PM)
Well on L	ine:		Started 8-9	2	08 at 1	0:45	. (PM)	Taken_8-	10	20	08 _{at} 11	:40	(AM)YPM)
		******				OBSERVE	ED SURFACE	DATA			Duration of	Shut-in 2	4 Hours
Static / Orifice		Circle one: Meter	Meter Differential		Flowing Well Head		Casing Wellhead Pressure		Tubing Wellhead Pressure		Lic	juid Produced	
Dynamic Property	Property (inches)		Prover Press	<i>ire</i> in	Temperature t	Temperature t	(P _w) or (P ₁) or (P _c)		(P _w) or (P ₁) or (P _c)		(Hours)	1	(Barrels)
Shut-In			psig (Pm)	Inches H₂0			psig 16	_{psia} 30.4	psig	psia			
Flow							1	30.4			24	0	
			L	<u>.</u>	i	FLOW ST	REAM ATTRI	BUTES					
Plate			Circle one:	B			Flowing	T					Flowing
Coeffiect	ient	_	Meter or	Press Extension	Grav Fact		Temperature		iation ctor	Metered Flor		GOR bic Feet/	Fluid
(F₅) (F Mcfd	(, p, (, b,		over Pressure psia	√ P _m xh					pv	(Mcfd)	,	Barrel)	Gravity G _m
111010							- 11			7			
					(OPEN FLO	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS	<u> </u>		$(P_a)^2 = 0$	207
(P _c) ² =		_:	(P _w) ² =	:	P _d =		% (P	- 14.4) +	14.4 =	:		$(P_a)^2 = 0$	
				Choose formula 1 or 2	:		Backpres	sure Curve		ГЭ			Open Flow
		(1	P _c) ² - (P _w) ²	1. P _c ² -P _a ²	LOG of formula 1. or 2.			e = "n" or	nxl	_OG	Antilog	D	eliverability
or (P _c)²- (F	o _d)2			2. P _c ² -P _d ² divided by: P _c ² -P _w	and divide	P _c ² - P _w ²		igned rd Slope				Equa	als R x Antilog (Mcfd)
				unded by: 1 c 1 w								-	
Open Flov				Motel @ 14	GE poio		Dolivorobi	lie			Moid @ 144	SE poio	
Open Flor	w .			Mcfd @ 14.	oo psia		Deliverabi	iity		 .	Mcfd @ 14.6	oo psia	
The u	unders	igne	d authority, o	n behalf of the	Company, s	tates that h	ne is duly aut			•	ort and that	he has kno	wledge of
the facts st	tated t	herei	in, and that sa	aid report is true	e and correct	t. Executed	this the 20		day of N	ovember 7		1	, 2 5
					a.	Panaca	DCCEVE		/2	m /	1) 1/2	.011	ク
			Witness (f any)		Kansas co	RPORKTION	:0::m:1831	<u> </u>	For	Company	my 2	
			F. A			1 126				<u> </u>	akad bu		
			For Comm	nission		J17/1	N 2 9 201	13		Che	cked by		



exempt state and that the correct to the of equipment	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request rus under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. e foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records and installation and/or upon type of completion or upon use being made of the gas well herein named. The y request a one-year exemption from open flow testing for the Harden 1-4
gas well on	the grounds that said well:
I furthe	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 r agree to supply to the best of my ability any and all supporting documents deemed by Commission ressary 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 must be signed and dated on the front side as though it was a verified report of annual test results.

JAN 29 2009 CONSERVATION DIVISION WICHTS. KO

W403 Harden 1-4 North Goodland Goodland None August-08

	Casing			HR	ls	REMARKS
DATE	PSI	STATIC	MCF	DC	WN	(Maximum length 110 characters)
8/1/2008	14	27		6	2	
8/2/2008	14	27		6	0	
8/3/2008	14	27		6	0	
8/4/2008	14	27		6	0	
8/5/2008	14	27		6	0	
8/6/2008	14	27		6	0	
8/7/2008	16	29		0	5.5	
8/8/2008	16	29		0	5	
8/9/2008	16	29		0	24	
8/10/2008	16	29		0	0	
8/11/2008	17	30		1	0	
8/12/2008	17	30		1	0	
8/13/2008	17	30		4	0	
8/14/2008	16	29		4	0	
8/15/2008	16	29		4	0	
8/16/2008	13	26		6	0	
8/17/2008	13	26		6	0	
8/18/2008	16	29		4	0	
8/19/2008	16	29		4	0	
8/20/2008	16	29		4	0	
8/21/2008	18	30		2	7	
8/22/2008	18	30		3	0	
8/23/2008	18	30		6	0	
8/24/2008	18	30		6	0	
8/25/2008	18	30		7	0	
8/26/2008	18	30		7	0	
8/27/2008	17	30		7	0	
8/28/2008	17	30		7	0	
8/29/2008	17	30		7	0	•
8/30/2008	17	30		7	0	
8/31/2008	17	30		7	0	

Total 140



W403 Harden 1-4 North Goodland Goodland None September-08

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

Total

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W403 Harden 1-4 North Goodland Goodland None October-08

	Casing			HR	es .	REMARKS
DATE	PSI	STATIC	MCF	DC	OWN	(Maximum length 110 characters)
10/1/2008	1	5 29	9	7	0	
10/2/2008	10	5 29	9	7	0	
10/3/2008	10	5 29	9	7	0	
10/4/2008	10	5 29	9	7	0	
10/5/2008	2	3:	3	1	16	
10/6/2008	10	5 29	9	4	5	
10/7/2008	10	5 29	9	7	0	
10/8/2008	1	5 29	9	7	0	
10/9/2008	1	7 30	0	7	0	
10/10/2008	10	5 29	9	7	0	
10/11/2008	10	5 29	9	7	0	
10/12/2008	10	5 29	9	7	0	
10/13/2008	10	5 29	9	7	9.5	
10/14/2008	10	5 29	9	4	3	
10/15/2008	10	5 29	9	7	0	
10/16/2008	10	5 29	9	7	0	
10/17/2008	10	5 29	9	7	0	
10/18/2008	10	5 29	9	7	0	
10/19/2008	10	5 29	9	7	0	
10/20/2008	10	5 29	9	7	0	
10/21/2008	10	5 29	9	7	0	
10/22/2008	10	5 29	9	7	0	
10/23/2008	10	5 29	9	7	0	
10/24/2008	10	5 29	9	7	0	
10/25/2008	10	5 29	9	7	0	
10/26/2008	10	5 29	9	7	0	
10/27/2008	1:	5 2	3	8	0	
10/28/2008	1:	5 28	3	8	0	
10/29/2008	1:	5 28	3	8	0	
10/30/2008	1:	5 2	3	8	0	
10/31/2008	1:	5 28	3	8	0	

Total

210

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JAN 2 9 2009