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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	: .	j.		(See Instructi	ions on Rev	erse Side	<i>)</i> .				and the second	•
√ Ope	en Flow			Test Date			1	APIN	 lo: 15				٠
Del	liverabiliy		1		22, 2013				20747 – 0 0	000			
Company Red Hills		rces, Inc.		•		Lease Klinger				•	1-7	Vell Number	
County Clark		Locati 660'FS	on L-660'FWL	Section 7		TWP 34S		RNG (E/W	/)			ores Attribute 160	ed
Field McKinne	y	,	,	Reservoir Morrow			7.,	Gas Gath	ering Conn	ection		(
Completic 1/25/198				• ,	k Total Depti	ħ		Packer Se	nt at				
Casing Si 4.5"	Casing Size Weight 1.5" 10.5#		Internal Diameter 4.05"		Set at 5700		Perforations 5498-5502			To 5519-5525		-	
Tubing Si 2.3/8"	Tubing Size Weight. 2.3/8" 4.7#		Internal Diameter 1.995"		5592		Perforations			To		to Hammyor	
Type Con Acid Fra		Describe)		Type Flui Salt W	d Production ater			Pump Unit	or Traveling	Plunger?	' Yes	/ No	The same of the sa
Producing	,	innulus / Tubin	g) :		Carbon Dioxid	de .		% Nitroge	n ় ·		Gas Gra	ivity - G _g	eyapır. maring.
Vertical D				<u> </u>	Press	sure Taps					(Meter F	Run) (Prover)	Size
		<u> </u>											
Pressure	Buildup:	Shut in 10-	22 20	0 13 at 1	:00pm	(AM) (PM)	Taken 10	0-23	20	13 at	1:00pm	(AM) (P	M)
Well on Li	ine:	Started	20) at		(AM) (PM)	Taken	<u> </u>	20	at		(AM) (P	'M)
					OBSERVE	D SURFACE	DATA			Duration	of Shut-i	n	Hours
Static / Dynamic Property	Orifice Size (inches) Circle one: Meter Differential in psig (Pm) Inches H ₂ 0		Flowing. Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _i) or (P _o)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In		paig (Fin)	anches H ₂ U			psig 70	psia	psig psia					
Flow				'									
					FLOW STR	EAM ATTRI	BUTES	•				<u> </u>	
Plate Coefficient (F _b) (F _p) Mcfd		Citcle one: Meter or rover Pressure psia Press Extension ✓ P _m x h		Factor Te		Flowing Deviation Factor Fig.		ctor	tor R		(Cubic Feet/ Barrel)		ring id vity
Ĺ <u> </u>							<u> </u>						
•	•			(OPEN FL	OW) (DELIVI	ERABILİTY)	CALCUL	ATIONS			(P _a) ²	≈ <u>0.207</u>	
(P _c) ² =		(P _w) ² =	· · · · · · · · · · · · · · · · · · ·	P _d =	9	6 (P,	- 14.4) +	14.4 =			(P _d)2		
(P _c) ² - (F or (P _c) ² - (F	"	(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 by:	P.2. P.2	Slope	sure Curve = "n" or	n x LC	og [Antil	log	Open Flow Deliverabili Equals R x Ar (Mcfd)	ity ntilog
			, , , , , ,										
												· ·	
Open Flow	W		Mcfd @ 14.6	35 psia		Deliverabil	lity			Mcfd @ 1	4.65 psia	3	
The u	undersign	ed authority, o	n behalf of the	Company, s	tates that he	is duly aut	horized t	o make the	above repo	rt and tha	at he has	s knowledge o	of
			aid report is true			or.	.		vember			, 20 13	
							2)	c. 00	ac t	Me	100	ona	
Foregoing aggress (Wildowski Manage) (Wildowski and p. 4)		Witness (i	f any)						For	Company	KU	U WICH	117/
		For Comm	ission	<u></u>					Chec	ked by	DE	C 04 20	113

					•.
	· •				
I declare und	er penalty of perjury	under the laws of	the state of Kansa	s that I am authoriz	ed to request
	der Rule K.A.R. 82-3-	the state of the s	and the second s		
	going pressure infor				are true and
correct to the bes	t of my knowledge ar	nd belief based upo	n available produc	tion summaries and	lease records
of equipment inst	allation and/or upon t	ype of completion o	r upon use being n	nade of the gas well l	nerein named.
I hereby requ	est a one-year exem	ption from open flov	testing for the K	linger #1-7	
	rounds that said well				
					•
(Check	(one)			,	
	is a coalbed metha	ne producer			
	is cycled on plunge	er lift due to water	. •		
	is a source of natu	ral gas for injection	into an oil reservoi	r undergoing ER	
	is on vacuum at the	e present time; KCC	approval Docket	lo	
✓	is not capable of p	roducing at a daily	ate in excess of 2	50 mcf/D	
I further agre	e to supply to the be	st of my ability any	and all supporting	documents deemed	l by Commission
staff as necessar	y to corroborate this	claim for exemptio	n from testing.		
•		•			
Date: November	28 2013				
Date: November	20. 2013	•		• •	
					V
	•				
		Signature: 🟒	Vallay 1	J Mc Kan	W
	en eksterne en e	Title. Vi	ce-President		/
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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.

KCC WICHITA

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