Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				1	(See Instruc	ctions on Re	verse Side	9)				
✓ Op	en Flov	v			Test Det	۵:			A DI	No. 15			
Deliverabilty					Test Date: August 14, 2014					No. 15 -20760 – 0	000		
Company Red Hills Resources. Inc.					Lease The is				Well Number 1-22			Well Number	
County Clark				Section 22		TWP 34S			RNG (E/W) 25W		Acres Attributed 320		
Field McKinney				Reservoir Chester			Gas Gathering Connection DCP Midstream						
Completion Date 1-18-1984				Plug Back Total Depth 5856				Packer S none	et at				
Casing S 4.5"	Casing Size Weight .5" 10.5#				Internal I 4.05"	Diameter	Set at 5856		Perforations 5671-5676		то 5706-	то 5706-5718	
Tubing Size Weight 2 3/8" 4.7#			-	Internal I		Set at 5770		Perforations		То	То		
Type Completion (Describe) Acid Frac				Type Flui	Type Fluid Production Salt Water			Pump Unit or Traveling Plunger? Yes / No Pumping Unit					
Producing	Thru ((Annulus	/ Tubing)			Carbon Diox	ide		% Nitroge		Gas Gr	ravity - G _g	
Vertical D			MNR	ru Lors		Pres	ssure Taps	 ,			(Meter	Run) (Prover) Size	
Pressure	Buildup	: Shut	8-14	2	0_14_at_1	0:30 am	(AM) (PM)	Taken_8-	15	20	14 _{at} 10:30	am(AM) (PM)	
Well on L												(AM) (PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-	-inHours	
Static / Dynamic Property	Orific Size (inche	Prov	Circle one: Meter Prover Pressure psig (Pm) Pressure Differential in Inches H ₂ 0		Flowing Temperature t Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-in							70	рощ	poig	pole			
Flow													
						FLOW STF	REAM ATTR	IBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F _s	tor	Flowing Temperature Factor F _{ff}	Fa	iation ctor :	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	l Gravity	
					(OPEN EL	OW) (DELIV	/ERABILITY	CALCUL	ATIONS				
(P _c) ² ≈		:	(P _w) ² =	:	P _a =			c - 14.4) +		:		1 ² = 0.207 1 ² =	
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _o) ² - (P _w) ²		2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide p 2 - p 2		Backpressure Curve Slope = "n"		1	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow		Mcfd @ 14.65			35 psia	5 psia		Deliverability			Acfd @ 14.65 psi	14.65 psia	
		anad avet	aority on t			tatas that L			a make the		<u></u>		
	_		•	ehalf of the report is true	,				o make the	e above repor	t and that he ha	, 20	
			Witness (if an	y)			_	l	Jal	Lee &	1 M Ke	mey Received	
			For Commissi	on			_		· - - · · ·	Checl		CANSAS CORPORATION CO	
		4	OUTHINSS	OII						Cneci	ren by		

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 Red Hills 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
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: November 3, 2014
Signature: <u>Nalley</u> D. M. Kenhley Title: <u>Director</u>

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

KANSAS CORPORATION COMMISSION

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