KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

r n	: .	•		(See Instruc	dons on heve	erse Side)				•
√ Op	en Flow			Tarak Orași				ADI A	lo 15	,	,
Deliverabilty		Test Date: October 7, 913 ≥.@ / <i>≥</i>				. API N 119-2	io. 15 20349 ~ 00 9	00			
Company Red Hills Resources, Inc.			Lease Harrington							Well Number	
County Meade			Section		TWP 34S			RNG (E/W) 26W		Acres Attributed 320	
ield ∕IcKinney		Reservoir Morrow					ering Conne Istream				
Completion Date /3/1979		Plug Bac 5980	k Total Dep	oth		Packer Set at none		V			
Casing Si .5"	10.5#		Internal Diameter 4.05"			Set at 5979		Perforations 5836		en en e commit dels ense de la Code français augus	
ubing Si	oing Size Weight 3/8" 4.7#		Internal E 1.995"	Diameter	Set at 586 0	5860			То		
ype Completion (Describe)			Type Fluid Production Salt Water				Pump Unit or Traveling Plunger? Yes / No Pumping Unit				
roducing Thru (Annulus / Tubing)			% C	% Carbon Dioxide			% Nitroge		.Gas Gr	Gas Gravity - G _g	
/ertical D	Depth(H)				Pres	ssure Taps		***************************************		(Meter I	Run) (Prover) Size
oressure	Buildup:	Shut in 10	-7	0 13 at 9	:30 am	(AM) (PM)	Taken 10	-8	20	13 _{at} 9:30 a	m (AM) (PM)
Vell on L											(AM) (PM)
		,			OBSERVE	ED SURFACE		· · · · · · · · · · · · · · · · · · ·	r	Duration of Shut-	in Hours
Static / lynamic roperty	Size Meter Diffe		Differential in	Flowing Temperature	Well Head Temperature	Casir Wellhead F (P _w) or (P _r	Pressure Wellhead Pressure		Pressure	Duration . (Hours)	Liquid Produced
Shut-In	(11701100)	psig (Pm)	Inches H ₂ 0			psig 40	psia	psig	psia		
Flow											
					FLOW ST	REAM ATTRI	BUTES				
Plate Coefficci (F _b) (F Mcfd	ient p) Pr	Circle one: Meter or Prover Pressure psia Press Extensi		Grav Fact	or	Flowing Temperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G,
	:	(P _w)² =		(OPEN FLO		/ERABILITY)	CALCULA - 14.4) +			(P _a)	? = 0.207 ·
o″)s ≔ '		, ,,,,,	Choose formula 1 or 2	 ,		1	·		FIT		Open Flow
(P _c)2- (F	"	P _c) ² - (P _w) ²	1. P _c ² -P _a ²	. LOG of formula 1. or 2.		Slope		n x LC	oG	Antilog	Deliverability Equals R x Antilog
	"			formula 1. or 2. and divide	P _c ² -P _w ²	Slope Assi	e "n" = €	n x LC	oe	Antilog	Deliverability Equals R x Antilog (Mofd)
or	"	P _c) ² - (P _w) ²	1. P _c ² -P _d ² 2. P _c ² -P _d ²	formula 1. or 2. and divide	P.2-P.2	Slope Assi	e = "n" or gned	n x LC	og _	Antilog	Equals R x Antilog
(P _c) ² - (F or (P _c) ² - (F	2,)2		1. P. ² - P. ² 2. P. ² - P. ² divided by: P. ² - P. ²	formula 1, or 2, and divide by:	P. 2 - P. 2	Slope Assi Standa	e = "n" or gned rd Slope	n x LC			Equals R x Antilog (Mefd)
(P _c) ² - (F or (P _c) ² - (F	P _d) ²		1. P. ² - P. ² 2. P. ² - P. ² divided by: P. ² - P. Mcfd @ 14.	lormula 1. or 2. and divide by:	C W	Slope Assi Standa	e = "n" of gned rd Slope				Equals R x Antilog (Mofd)
(P _c) ² - (F or (P _c) ² - (F	w undersigne	d authority, o	1. P. ² - P. ² 2. P. ² - P. ² divided by: P. ² - P. Mcfd @ 14.	lormula 1. or 2. and divide by: 65 psia Company, s	tates that h	Slope Assi Standa	e = "n" or- gned , rd Slope ity horized to	make the			Equals R x Antilog (Mofd)
(P _c) ² - (F or (P _c) ² - (F	w undersigne	d authority, o	1. P. ² - P. ² 2. P. ² - P. ² divided by: P. ² - P. ² Mcfd @ 14.	lormula 1. or 2. and divide by: 65 psia Company, s	tates that h	Slope Assi Standa	e = "n" or- gned , rd Slope ity horized to	make the	above repor		Equals R x Antilog (Mcfd)
(P _c) ² - (F or (P _c) ² - (F	w undersigne	d authority, o	1. P _c ² - P _c ² 2. P _c ² - P _d divided by: P _c ² - P _w Mcfd @ 14. In behalf of the aid report is true	lormula 1. or 2. and divide by: 65 psia Company, s	tates that h	Slope Assi Standa	e = "n" or- gned , rd Slope ity horized to	make the	above repor		Equals R x Antilog (Mcfd)
$(P_c)^2$ - (P_c) 2 (P_c)	w undersigne	d authority, o	1. P. ² - P. ² 2. P. ² - P. ² divided by: P. ² - P. Mcfd @ 14. In behalf of the aid report is true	lormula 1. or 2. and divide by: 65 psia Company, s	tates that h	Slope Assi Standa	e = "n" or- gned , rd Slope ity horized to	make the	above repor	Mcfd @ 14.65 psi t and that he ha McKun	Equals R x Antilog (Mcfd)

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 Harrington #1-24
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
To the coupanie of producing at a daily tale in shoots of 200 man
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: December 2, 2013
Signature: Wallaw H. Met Janiey
Title: Vice-President

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**

DEC 04 2013

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