KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				See Instruc	ctions on Re	everse Side	e)	,					
Op	en Flow			Test Date	ن			ΔDI	No. 15					
✓ Deliverabilty					05/20/2013 to 05/24/2013				1-20069 — 0					
Company Horseshoe Operating, Inc.					Lease Hunt						Well Number #1			
County Location Greeley C SE 1/4			Section 20		TWP 17S	RNG (E/W) 40W		/W)		Þ	Acres Attribu	ted		
Field Bradshaw					Reservoir Winfield			Gas Gathering Connection DCP Midstream						
Completion Date				Plug Bac 3042	Plug Back Total Depth 3042			Packer Set at 3 sets gas vent packers.						
Casing S 4.5	g Size Weight 9.6		Internal Diameter 4			Set at 3042		Perforations 2936			To 2997			
Tubing Si	ing Size Weight		it .	Internal Diameter 1,995		Set at SN-2916		Perforations			То			
Type Completion (Describe) Single (Gas)			Type Flui	Type Fluid Production Salt Water			Pump Unit or Traveling Plunger? Yes / No							
	·	Annulus / Tubin	g) .		Carbon Diox	ride		% Nitrog	jen		Gas Gra	ıvity - G _g		
Vertical D	Depth(H)				,	ssure Taps						lun) (Prover)	Size	
Pressure	Buildup:	Shut in05/	202	13 _{at} 7	Flan :00 AM	-	Taken 05	5/24		13 _{at}	2 inch 9:00 AM		 PM)	
Well on L	•		2			. ,						, , ,	,	
	···			· · · · · · · · · · · · · · · · · · ·	OBSERVE	ED SURFAC	E DATA			Duration	n of Shut-ir	98	Hours	
Static / Dynamic Property	Size	(inches) Prover Pressure		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In			Inches H ₂ 0	·		166	179.4	psig 166	179.4	98 1		n/a	n/a	
Flow														
					FLOW STI	REAM ATTE	RIBUTES							
Plate Coeffied (F _b) (F Mofd	cient p)	Circle one: Meter or Prover Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	or Temperature		Fa	riation actor = pv	Metered Flow R (Mcfd)	v	GOR (Cubic Fee Barrel)	=:		
				4										
Ç,)² =	:	: (P _w) ² =	;	P _d =		/ERABILITY % (I	P _c - 14.4) +		:		(P _a)² (P _d)²	= 0.207 =		
$(P_c)^2 - (P_c)^2 - (P_c$	·	(P _c) ² - (P _w) ²	Choose farmula 1 or 2 1. $P_a^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	1. P _c ² - P _s ² LOG of formula 2. P _c ² - P _d ² 1. or 2. and divide		Slo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		tilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
										-]	
Open Flo	w	· · · · · · · · · · · · · · · · · · ·	Mcfd @ 14.	65 psia		Deliverat	oility		· · · ·	Mcfd @	14.65 psia	1		
	-	•	n behalf of the			-		o make the day of	•	rt and th	nat he has	KCC V	WIC	
		Witness (if any)			-	7"	, , , = . = .	F	Company (7	JUL (j 5 2	
		For Comn	nission			-			Chec	ked by		RE	CEIV	

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 Horseshoe Operating, 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 Hunt #1
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 not supulse of producing at a daily rate who stocked of 200 months
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: 06/04/13
Signature: Janice Ripley Title: Production Assistant

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.