KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instruc	ctions on Re	everse Side))					
Open F				_Test_Dat	ie:			AP	No. 15				
Delivera	abilty	74		5-20	?-/3				-071-20136	-0000			
Company Horseshoe Operating, Inc.					Lease Foster					1	Well	lumber	
County Location Greeley C NW				Section 7		TWP 20S		RNG (E/W) 39W			Acres Attributed 640		
Field Bradshaw				Reservoir Winfield				Gas Gathering Connection DCP Midstream					
Completion Date 7/12/77			Plug Bad 2864	ck Total Dep	oth	th		Packer Set at None			· · · · · · · · · · · · · · · · · · ·		
asing Size Weight 5 10.5			Internal 4.052	Diameter	Set at 2866		Perforations 2814		To 282	To 2825			
ubing Size Weight .375 4.7			Internal 1.995	Diameter	Set at 2832		Perforations		То	То			
Type Completion (Describe) Single Gas					Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing) Annulus				% (% Carbon Dioxide				% Nitrogen			Gas Gravity - G	
ertical Depth(H) 868					Pressure Taps				···	(Met	er Run) (f	Prover) Size	
ressura Build	up:	Shut in	5-21 2	10/3 _{at}	0.33	(AM) (PM)	Taken	5-6	32 20/	3 at 10	:33	(ÁN) (PM)	
Well on Line: Started						(AM) (PM) Taken					,	(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Sh	nut-in	34 Hours	
tatic / Orifice		Gircle one: Meter Prover Pressu	1	Flowing Temperature t	Well Head Temperature t	Wallhead	aing Pressure P ₍) or (P _c)	Wellhe	Tubing ead Pressure or (P _c) or (P _c)	Duration Lie (Hours)		quid Produced (Barrels)	
Shut-In .68	25	psig (Pm)	Inches H ₂ 0			psig	412	psig	psla	24			
Flow							7						
					FLOW STF	REAM ATTR	IBUTES	.,,					
Plate Coefficient (F _b) (F _p) Mcfd		Circle one; Meter or over Pressure psia	Press Extension P _m x h	Grav Fact	or	Flowing Temperature Factor F _{it}		ation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
<u> </u>			-	(ODEN 51									
)2 =	<u>_:</u>	(P _w) ² =	<u></u> :	P _d =		ERABILITY) CALCUL P _c - 14.4) +		:		$P_{d}^{2} = 0.3$ $P_{d}^{2} = $	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		_e)² - (P _w)²	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ fivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P.2- P.2	Backpressure Curve Slope = "n" or Assigned Standard Slope		пх	LOG	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			 		****		<u> </u>						
en Flow	ow Mcfd @ 14.65 psia			Deliverability		l	L M	cfd @ 14.65	psia				
The unders	igned	authority, on	behalf of the	Company, s	tates that h	e is duly au	uthorized to	make th	ne above report	and that he	has know	viedge of	
			d report is true				10	day of	June			20 13.	
		Witness (if a	any)			_	(ani	Le K	ipley	<u>,</u> К	CC WIC	
	<u>-</u>	For Commis				_		//		/ /		JUN 26	
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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 Foster 1
gas well on the grounds that said well:
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: 6-19-13
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.