KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			('See Instruc	tions on Rev	erse Side)				
Open Flow			Tool Date	Test Date:				ADI No. 15				
Deliverability			4-3-	Test Date: 1-3-14				API No. 15 15-071-20756 -00-00				
Company Horseshoe Operating, Inc.						Lease Ross			•-	5	Well Number	
County Location Greeley W/2 W/2 SW			Section 5		TWP 18S		RNG (E/W) 39W			Acres Attributed		
Field Bradshaw			Reservoir Winfiel				Gas Gathering Connection DCP Midstream		ction			
Completion Date 8-5-2002				Plug Bac 2947	k Total Dep	th	Pac		Set at			
Casing Size Weight 4.5 10.5			Internal I 4.052	Diameter	Set at 2947		Perforations 2909		то 2920			
Tubing Size Weight				Internal Diameter		Set at		Perforations		То		
2.375	anlotion (4.7		2.000	d Brodustic	2940)	Bumo He	ait or Travalina	Plungar? Vac	/ No	
			Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing) % Carbon Casing					Carbon Dioxi	xide % Nitrogen			jen	Gas Gravity - G		
Vertical D	epth(H)					sure Taps	<u> </u>			(Meter	Run) (Prover) Size	
			// ^-	-,,,	Flan	ge		// -	,	ر ار ار	20	
Pressure	Buildup:	Shut in	4-2	20 <i></i> at	8:00	(AM) (PM)	Taken	4-3	20/	14 at 8;	OO (AM) (PM)	
Well on L	ine:	Started		20 at		(AM) (PM)	Taken		20 .	at	(AM) (PM)	
		<u></u>			OBSERVE	D SURFACE	DATA			Ouration of Shut	in_24Hours	
Static /	Orifice	Circle one Meter	: Pressure	Flowing	Well Head	Casi Wellhead F			Tubing ad Pressure	Duration	Liquid Produced	
Dynamic Property	Size (inches)	Prover Pres	sure in	Temperature t	Temperature t	(P _₩) or (P,) or (P _c)	(P _±) o	(P ₁) or (P _c)	(Hours)	(Barrels)	
Shut-in	.500	psig (Pm) Inches H ₂ 0			psig	67	psig	psla	24		
Flow												
		•			FLOW STE	REAM ATTRI	BUTES				<u> </u>	
Plate Coefflecient (F _b) (F _p) Mcfd		Circle one: Meter or rover Pressure psia	Press Extension ✓ P _m x h	Extension Fac		or Temperature		iation ector	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel	eet/ Fluid Gravity	
									,			
				(OPEN FL	OM) (DEFIN	ERABILITY)	CALCUL	ATIONS	-	· (P _a))2 = 0.207	
(P _v)² =	 :	(P _w) ²	, · · · · · · · · · · · · · · · · · · ·	P ₄ =		% (P	- 14.4) +	14.4 =	: ,	(P _d		
(P _c)²- (F or (P _c)²- (F		(P _c)² - (P _w)²	1. P _c ² -P _a ² 2. P _c ² -P _d ² divided by: P _c ² -P _c	LOG of formula 1. or 2. and divide	P ₀ ² - P _w ²	Slop Ass	ssure Curve e = "n" or signed ard Slope	- 1	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
								1_				
Open Flov	<u> </u>		Mcfd @ 14	65 peia		Deliverabi	ility				la l	
			-					a mal-a *				
			on behalf of the said report is tru		•		thorized t	o make the	ne above repor	t and that he h	as knowledge of	
		,				•			ile K	iplei	<u> </u>	
_		Witness	(if any)		.	_		1	For Co	Impar /		
•		For Con	nnission			_	<u> </u>	<i>V</i>	Check	ced by	KCC WICHI	
		•										

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١d	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exemp	t status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	at 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 equi	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
Ih€	ereby request a one-year exemption from open flow testing for the Ross #5
gas we	ll 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
l fu	rther 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:	6-16-14
	•
	- 4
	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.