KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:						(See Instruc							
Open Flow													
Deliverabilty			est Dat	Test Date: /-0-/2				API No. 15 15-071-20112 - 00-0 0					
Compar				 -			Lease		·			Well Number	
Horseshoe Operating, Inc.				Wear					B-1				
Greeley C SW			1	Section TWP 25 17S				RNG (E 40W	E/W)		Acres Attributed 640		
Field Bradsh					ir field, U. f	Ft. Riley	Gas Gathering Ciley DCP Midstre			ection	<u> </u>		
Complete 1/75) 				Plug Back Total Dept 3023				Packer Set at None				
Casing S	Size		Weight 9.5			Internal Diameter 3.995		Set at 3023		orations 1-2962	To 2978-	то 2978-2 9 92	
Tubing Size V 2.375 4.			lght		Internal 1.995	Internal Diameter 1.995		Set at 2988		Perforations		То	
Type Completion (Describe) Single Gas			<u> </u>	Type Fluid Production Water				Pump U Yes	nit or Traveling	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus				% (% Carbon Dioxide				gen	Gas Gr	Gas Gravity - G		
Vertical D 3026	Pepth(H)					Pres	sure Taps	,			(Meter I	Run) (Prover) Size	
Pressure	Buildup	: Shut in		1-5 2	0/2 at _/	0:00	(PM)	Taken	1-6	20/	2 at 10:0	0(AM) (PM)	
Wall on L											at		
·					,	OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours	
Static / Orifice Dynamic Size Property (inches)		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H _e 0	Flowing Well Head Temperature Temperature t t		Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_a)$		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	1.00		· · · · ·	2			psig	30	psig	psia	24		
Flow													
····				 .		FLOW STR	EAM ATTRIE	UTES					
Plate Coefficient (F _B) (F _p) Mcfd		Circle one: Meter or Prover Pressure pala		Press Extension	Grav Fact F _s	or T	Flowing Temperature Factor	i Deviatio		Metered Flow Fl (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity	
meig		Poli	+				F,,					- G _n	
					(OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		(P)	- 0.207	
(P _c) ² =		(P _*)²	·	:	P _a =	<u></u>	6 (P _E	- 14.4) +	14.4 =	<u> </u>	(P _a)		
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_a)^2$		(P _c) ² - (P _w) ²		osa formula 1 or 2: 1. P ₂ - P ₂ 2 2. P ₂ - P ₃ 2	LOG of formula 1, or 2.	Stop		sure Curve e = "n" or igned		roe	Antilog	Open Flow Deliverability Equals R x Antilog	
			divid	ed by: P _s - P _s	by:	<u>[</u> , , ,]	Standar	d Slope			· · · · · · · · · · · · · · · · · · ·	(Mcfd)	
·		-											
Open Flow		Mcfd @ 14.65			i5 psia	psia		Deliverability		Mcfd €		9 14.65 psia	
		ed authority, ein, and that						ク /	make the	ne above repor	t and that he ha	s knowledge of	
_	·,	Witness	(if any	<u> </u>					ani	ce Re	pley	RECEIVED	
		For Corr	miselo	 .			_	U	/ 		<i>y</i>	MAR 2 8 2012	
		FUI COIT	· · · · · · · · · · · · · · · · · · ·	•						Check	red by	LOTL	

I declare under penalty of perjury under the laws of the state of Kansas exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe and that the foregoing pressure information and statements contained on this correct to the best of my knowledge and belief based upon available production of equipment installation and/or upon type of completion or upon use being made.	e Operating, Inc. s application form are true and summaries and lease records the of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Wes	r B-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 use on vacuum at the present time; KCC approval Docket No. is not capable of producing at a daily rate in excess of 250 I further agree to supply to the best of my ability any and all supporting do staff as necessary to corroborate this claim for exemption from testing.	mcf/D
Date: 3-26-12	
Signature: <u>Janice K</u> Title: <u>Hroduction</u>	pley 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.