KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes					(See Instr	uctions on Re	everse Side	*)			
	en Flow			Jest Dat	e: , ¬			API	No. 15	7 4400	
Compan	eliverabilty	·		5-22	-/3	Lease		15	-071-2072	7-0000	Well Number
Horseshoe Operating, Inc.					Harris				A-2		
County Location Greeley C NW			Section 15		TWP 20S	•		/W)		Acres Attributed 640	
Field Bradshaw					Reservoir Winfield			Gas Gathering Connection DCP Midstream			
Completion Date 8/31/00			Plug Bac 2844	Plug Back Total Depth 2844				Set at			
Casing S 4.5	asing Size Weight .5 10.5			Internal 4.052	Diameter		Set at 2860		rations 1	то 2816	
Tubing S 2. 375	ng Size Weight		Internal Diameter 1.995		Set at 2839		Perforations		То	То	
Type Completion (Describe) Single Gas			Type Flui Water	Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No Yes				
		nulus / Tubing) .	% (arbon Dic	oxide		% Nitrog	en	Gas Gr	avity - G
Annuius Vertical D			· · · . · . · . · . · . · . · . ·		Pr	essure Taps				(Meter	Run) (Prover) Size
2860			-01	12	012	5 0		/- -	20	12 0.2	-
Pressure	Buildup:					_				13 at 8,3	
Vell on L	ine:	Started	2	0 at		_ (AM) (PM)	Taken		20	at	(AM) (PM)
					OBSER	/ED SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic	Orifice Size	Gircle one: Meter Prover Pressur	Pressure Differential	Flowing Temperature	Well Head			Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)	Liquid Produced (Barrels)
Property	(inches)	psig (Pm)	Inches H ₂ 0	t	1	psig	psla	psig	psia		(Barrers)
Shut-in							41			24	
Flow											
					FLOW S	TREAM ATTR	RIBUTES				
Plate Coeffieci (F _b) (F Mofd	ent) Pr	Circle one: Meter or over Pressure psia	Press Extension P _m xh	Extension Factor		Flowing Temperature Factor F _{ft}	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Geneille
				(OPEN FL	OW) (DEL	IVERABILITY) CALCUL	ATIONS		45.	<u></u>
P _c) ² =	<u></u> :	(P _w) ² =_		P _g =			P _c - 14.4) +		:	(P _a)	² = 0.207 ² =
$(P_c)^2 - (F_c)^2 - (F_c$		$(P_c)^2 - (P_w)^2$ Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of tormula 1, or 2. and divide p: 2- p: 2 by:		Backpressure Curve Slope = "n"or Assigned Standard Slope		n x 1	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
										14.44 @	
Open Flor		الماليم الماليم الماليم الماليم	Mcfd @ 14.	`		Deliverat	 	o males 4		Mcfd @ 14.65 ps	
	-	-				-	クル	day of _(anove repo	ort and that he ha	s knowledge of20
e racts s	ated there	ein, and that sai	a report is true	and correc	. Execute	ed this the		ay or _	P	nles	KCC WIC
	······································	Witness (if	any)				7	ov INV	~ / YES	Company	JUN 2 6
							1/		•	1/	

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 Harris A-2 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 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: 6-24-13 Signature: Janiel Ripley Title: Iroduction 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.