KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: (See Instructions on Reverse Side)													
	en Flov liverabl				Test Date	<i>14</i>				No. 15 -20822-00-0	0		
Company Horseshoe Operating, Inc.					<u> 7 9 7</u>		Lease Clift B		•	,	3-34	Well Number	
County Location Greeley C SE				Section 34		TWP 18S	····	RNG (E/W) 40W		Acres Attributed			
Field Bradshaw					Reservoir Winfield				nering Conne idstream	ection			
Completion Date 8/15/07				Plug Bac 2911	Plug Back Total Depth 2911			Packer S	et at				
Casing Size 4.5			Weight 11.600	Internal D 4.000	Internal Diameter 4.000				Perforations 2881;		To 2882-2890		
Tubing Size 2-3/8"			Weight 4.700	Weight 4.700		Internal Diameter 1.995		Set at 2897		rations	То	То	
Type Completion (Describe) Single - Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Pump Unit - Rod			/ No		
Producing Thru (Annulus / Tubing) Casing					% C	% Carbon Dioxide			% Nitrog	en	Gas Gr	Gas Gravity - G _g	
Vertical Depth(H)					Pressure Taps Flange			•	•	(Meter F 2"	(Meter Run) (Prover) Size 2"		
Pressure Buildup: Shut in 4-2					0/4/at_	8:00	(AM) (PM)	Taken	4-3	20,	14 at 8,0	Ø (AM) (PM)	
Well on L	ine;		Started	2	0 at		. (AM) (PM)	Taken		20	at	(AM) (PM)	
	•		-	•		OBSERV	ED SURFAC	E DATA			Duration of Shut-	in_ <i>24</i> _Hours	
Static / Dynamic Property	namic Size		Gircle one: Meter Prover Pressur psig (Pm)	I	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (f	P ₁) or (P ₀) (P _w)		ubing ad Pressure (P,) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			psig (Fili)	Inches H ₂ 0			psig	114.2	psig	psia	24		
Flow													
						FLOW ST	REAM ATTE	RIBUTES				- 	
Plate Coeffiecient (F _b) (F _p) Mcfd		Cirde one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fact	tor	Flowing Temperature Factor F _n		iation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_m	
										•			
(P _c) ² =		•	` (P _w)²=_	:	(OPEN FLO	OW) (DELI	VERABILITY % (I	/) CALCUL P _a - 14.4) +		:	(P _a)՝	2 = 0.207 2 =	
$(P_a)^2 - (P_n)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² · (P _w) ²		thoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_a^2$	2. P ² - P ² LOG of formula 1. or 2. 1. or 2. 1. or 2. 1. and divide		Pc-Pw Backpr			.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	-							· .					
Open Flow Mcfd @ 14.65 psia .							Deliverability Mcfd @ 14.65 psia					a	
			•				he is duly a		o make th	e above repor	rt and that he ha	s knowledge of	
the facts st	tated th	ereir	n, and that sai	d report is true	and correct	t. Executed	d this the	7	day of	uus	isla	, 20 <u>/ 7</u>	
			Witness (if	any)					anu	Forg	MULY brnpany	RECEIVED	
			For Commis	slon			-			Chan	'KANSAS C	ORPORATION COMMISSI	

AUG 0 6 2014

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 Clift B 3-34
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.
Signature: <u>Janice Ripley</u> Title: <u>Froduction Assistant</u>

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.