## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	(See Instru	ictions on Re	verse Sid	e)					
Open Flow					Total Dodge									
Deliverabilty				S/5	Test Date: 8/5/10				API No. 15 071-20455-00-00					
Company Horseshoe Operating, Inc.				0/5/	Lease Floyd					2	Well Number			
County Location Greeley C SE NW				Section 24		TWP 19S			RNG (E/W) 40W		Acres Attributed 640			
Field Bradshaw				, -4.	Reservoir Winfield		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Gas Gathering Connection DCP Midstream		ection			
Completion Date 6/8/88			Plug Bac 2941	k Total De	pth	Packer Set at None		et at		WH 110 F.				
Casing Size 4.5			Weight 10.5		Internal [ 4.04	Diameter	Set at 2845		Perforations 2830		то <b>284</b> 1			
Tubing Size 2.375			Weight 4.7		Internal E 1.995	Internal Diameter 1.995		Set at <b>2900</b>		Perforations		То		
Type Completion (Describe) Single				Type Flui Water	d Producti	on	Pump Unit or Traveling P Yes Rod			Plunger? Yes / No				
Producing	g Thru	(Anr	nulus / Tubing	<b>j</b> )	% C	arbon Dio	xide	,	% Nitrog	en .	Gas G	ravity - (	Э <sub>g</sub>	
Annulus										·				
Vertical Depth(H)						Pressure Taps					(Meter		rover) Size	
2975 Flange 2'  Pressure Buildup: Shut in 8/4 20/0 at 8:44 (AM) (PM) Taken 8/5 20/0 at 9:47							<u>2"</u> 7 "	(AM) (PM)						
Well on L				,					,		at	_	(AM) (PM)	
				<del></del>		ORSERV	ED SURFACI	F DATA			Duration of Shut	in 0	04	
Circle one: Pressure						OBSERVED SURFACE DATA Casing				Tubing			Hours	
Static / Orif Dynamic Siz Property (inch		ze Prover Pressu		Differential in Inches H <sub>o</sub> 0	Flowing Temperature t	Well Head Temperatur t	e (P <sub>w</sub> ) or (P	Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In	,50	0		2			paig	58	psig	psia	24			
Flow												<u> </u>		
						FLOW ST	REAM ATTR	IBUTES						
Plate		Circle one:		Press	Grav	vity	Flowing	Dev	viation	Metered Flow	GOR		Flowing	
Coeffiecient (F <sub>b</sub> ) (F <sub>c</sub> )		Meter or Prover Pressure		Extension	Fac	tor	Temperature Factor	Fa	actor	R	(Cubic Fe		Fluid Gravity	
Mcfd		psia		✓ P <sub>m</sub> xh	F	•	F <sub>tt</sub>		Ppv	(Mcfd)	Barrel)	)	G <sub>m</sub>	
				<u> </u>	(OPEN FL	OW) (DELI	VERABILITY	) CALCUL	ATIONS		/P \	) <sup>2</sup> = 0.2	07	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	<u> </u>	P <sub>d</sub> =		_% (F	o - 14.4) +	- 14.4 =		(P <sub>d</sub> )		<del></del>	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	LOG of formula		Backpressure Co		n x i	.og	Antilog	Del	Open Flow Deliverability	
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>		di		2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1, or 2, and divide by:	P.2 - P.2		Assigned Standard Slope					Equals R x Antilog (Mcfd)	
				<del> </del>				· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·			
Open Flo	ow			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia		
		iane	d authority o	n behalf of the	Company	states that	he is duly a	uthorized	to make th	ne above reno	rt and that he ha	as know	ledge of	
		•	•	aid report is true			-	//	day of	Octob	er		20 /0 .	
									anic	e Ripi	ley_	REC	EIVED	
			Witness (	if any)			-	0	7		Company	OCT	1 4 2010	
			For Comm	nission			-			Chec	cked by		/ICHITA	

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 theFloyd #2
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:/9////O
Signature: <u>Januel Ripley</u> Title: <u>Production 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.