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

Type Test	Ŀ				(	See Instructi	ions on Rev	erse Side	)				
_ Op	en Flov	٧											
Deliverability				Test Date:			API No. 15 ′ 071-20804-00-00						
					2-00	1d				-20004-00-0		Vell Nu	
Company Horsesh		erat	ing, Inc.				Lease Drake				3-27	Weil (NU	
County Greeley			Location NW SW		Section 27		TWP 20S		RNG (E/W) 40W		Acres Attributed		
Field					Reservoi					hering Conne			
Bradsha					Winfield					<u> Midstreau</u>	n		
Completion Date 1/20/05				Plug Back Total Depth 2832					Packer Set at None				
Casing Size 4.5			Weight 10.5		Internal Diameter 4.052		Set at <b>2837</b>		Perforations 2790		то <b>2806</b>		
Tubing Size 2.375			Weigh 4.7		Internal Diameter 2.000		Set at 2816		Perforations		То		
Type Con		· /Da				d Production		<u></u>	Pump Ur	it or Traveling	Physical Voc	/ No	
Single			·		Water	o Production			Yes R	od			
Producing Annulus	-	(Ann	ulus / Tubing	)	% C	arbon Dioxid	de		% Nitrog	en .	Gas Gra	avity - (	3,
Vertical D		)			<del></del>	Press	ure Taps					Run) (P	rover) Size
2837						Flang	je	·			2"		
Pressure	Buildu	o:	Shut In	5-21 2	10 12 at _	9:19	(PM)	Taken	5-	<u> 22 20 </u>	12at 9:10	<u> </u>	AM)(PM)
Well on L	ine:	:	Started	2	0 at		(AM) (PM)	Taken	<u> </u>	20	at	(	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-i	in _	24_Hours
Static /	Orific	:0	Circle one:	Pressure	Flowing	Well Head	Casi	•		ubing	Duration		ŀ
Dynamic Size			Meter Prover Pressu	Differential re in	Temperature	Temperature	Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_o)$		Wellhead Pressure $(P_{\bullet}) \propto (P_{i}) \propto (P_{o})$		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inche	33)	psig (Pm)	inches H <sub>2</sub> 0	t	t	psig	psla	psig	psia		ļ	
Shut-In	1.0	0					80		<u></u>		24		
Flow													
						FLOW STR	EAM ATTRI	BUTES					
Plate			Circle one:	Press	Grav	illy	Flowing	Devi	ation	Metered Flow	GOR		Flowing
Coefflecient		O	Meter or ver Pressure	Extension	Fac	tor T	emperature	Fa	ctor	R .	(Cubic Fed	et/	Fluid
(F <sub>6</sub> ) (F		rio	yer massure psla	✓ P <sub>m</sub> xh	F,	,	Factor F <sub>tt</sub>	F	pv	(Mcfd)	Barrel)		Gravity G_
			·			-	т.	+ -					-
L							<u> </u>	<u> </u>			<u>l</u>		L
<b>(D.</b> )			<b>(5.10</b>		,	OW) (DELIVI	-			_		2 = 0.2	07
(P <sub>e</sub> ) <sup>2</sup> =	<del></del>	<del>-</del> :	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>d</sub> =	<u></u>	1	- 14.4) +	ì	<del>:</del> ;	(P <sub>d</sub> ) <sup>2</sup>	` <del>-</del>	
   (P₂)²-(	P }2	(P	_)²- (P_)²	1. P.2-P.2	LOG of			sure Curve e = "n"	- 1				en Flow
or (P <sub>a</sub> ) <sup>a</sup> - (f	- 1	•	" ` <b>"</b> '	2, P.2-P.2	formula 1. or 2.			or	nx	roe	Antilog		iverability R x Antilog
(P <sub>e</sub> )3 - (f	P <sub>a</sub> )2			divided by: Par P	and divide	P.2. P.2		igned ard Slope	}				(Mcfd)
<u> </u>		_		arran oy. , a 1 a		<del></del>					· · · · · · · · · · · · · · · · · · ·		<del></del>
	_						<del></del>						
Open Flor	L		<u>I</u> .	Mcfd @ 14.	65 nsla	-	Deliverabi	lity	l	l	Mcfd @ 14.65 psi	L	
				·									
		_	•	behalf of the				クウ	o make th day of	e above repo	rt and that he ha	s know	nedge of
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	···		SARAH	anu)					ani	če Ki	pley R	ECE	IVED-
			Witness (i	φι <b>γ</b> )					/ 			IM. O	
			For Comm	ssion						Chec	ked by	<del>JN 2</del>	J ZUIZ

exempts and that correct t of equips	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.  It the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. The representation of the gas well herein named.  The production of the gas well herein named. The production of the gas well herein named. The production of the gas well herein named. The production of 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
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date:	6-22-12
	Signature:

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.