RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			(5	See Instruction	ons on Reve	rse Side)					
Open Flow Deliverability Jest D				13				No. 15 - 20 04 3 - 00 -	00			
Company lorseshoe Operating, Inc.					Lease Householder				1-29	Well Number 1-29		
County Greeley	Location C SE	1	Section 29		TWP 20S		RNG (E/ 40W	W)		Acres Attributed 640		
ield Bradshaw			Reservoir Winfield					nering Conne dstream	ection			
Completion Date /1973			Plug Back 2828	Total Depth			Packer S	et at				
asing Size .5	Weight 9.5	and the Control of the State of	Internal Diameter 4.09		Set at 2831		Perforations 2815		To 2822			
ubing Size	Weight 4.7			Internal Diameter 1.995		Set at 2814		rations	То			
/pe Completion (Dingle - Gas	Describe)		Type Fluid Water	Production				it or Traveling Unit - Rod	Plunger? Yes	unger? Yes / No		
roducing Thru (Ar	nulus / Tubing)		% C	arbon Dioxid	e		% Nitrog	en	Gas Gi	avity - G _g		
/ertical Depth(H))		Pressi Flang		ure Taps C				(Meter	(Meter Run) (Prover) Size 3"		
Pressure Buildup:	Shut in _5	-21_20	13 _{at} _	7:40		aken	5-0	22 20,	13 at 7.4	70 (AN)1) (PM)		
Vell on Line:	Started	20	at	+	(AM) (PM) T	aken		20	at	(AM) (PM)		
		4444		OBSERVE	SURFACE	DATA			Duration of Shut	-in <u>24</u> Hour		
Static / Orifice synamic Size roperty (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing emperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-in 625	pag (m)					70	parg	рыа	24			
Flow												
	1		1	FLOW STRI	AM ATTRIE	UTES	1					
Plate Coefficient (F _b) (F _p) Mcfd	Circle one: Meter or rover Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F		Flowing emperature Factor	Fa	iation ctor : pv	Metered Flow R (Mcfd)	GOR (Cubic Fo Barrel)	Gravitu		
) ² =:	(P _w) ² =	:		OW) (DELIVE	RABILITY) (P.		ATIONS 14.4 =	:) ² = 0.207		
		1. P _c ² -P _d ² 2. P _c ² -P _d ²	P _c P _a LOG of formula		Backpressure Curve Slope = "n" or Assigned		n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog		
	dis	rided by: Pc2 - Pw2	by:	P _c ² · P _w ²	Standar	d Slope		<u> </u>		(Mcfd)		
							,					
pen Flow		Mcfd @ 14.69	psia		Deliverabili	ty	· · · · · · ·		Mcfd @ 14.65 ps	ia		
The undersigne	-					norized to		e above repo	rt and that he h	as knowledge of		
	Witness (if a	ny)			_		Jan	ice K	ipley	KCC WIC		
							11	•	• <i>V</i>	JUN 2 6 2		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to requested 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 correct to the best of my knowledge and belief based upon available production summaries and lease recommendation of equipment installation and/or upon type of completion or upon use being made of the gas well herein named the production of the gas well herein named the gas well herein	and ords
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 Comm staff as necessary to corroborate this claim for exemption from testing. Date: <u>6-24-13</u>	ission
Signature:	<u>. </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.