KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t: oen Flow	ı					ctions on Re	everse Side		No. 15			
Deliverabilty					4-3	Test Date: 4-3-14			API No. 15 071-20802-00-00				
Company Horseshoe Operating, Inc.						Lease Wineinger			•			Well Number 3-35	
County Location Greeley SW NE				Section 35		TWP 19S			/W) ;		Acres Attributed		
Field Bradshaw				Reservoi Winfiel		_			hering Conn lidstream	ection			
Completion Date 1/28/05				Plug Bac 2872 (k Total Der TD)	oth		Packer S	Set at				
Casing S 4.5	ize		Weight 10.5			Internal Diameter 4.052		Set at 2872		rations 4-40	то 2843-50		
Tubing Si 2.375	ize	Wei 4.7	Weight 4.7			Internal Diameter 1.995		Set at 2857		rations	То		
Type Completion (Describe)				Type Flui	Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No					
	igle	(A	tu i S			Water				Pump Unit ← Rod % Nitrogen Gas Gravity - G			
Producing Thru (Annulus / Tubing) Annulus					% C	% Carbon Dioxide				en	Gas G	iravity - G _g	
Vertical Depth(H)						Pressure Taps Flange					. 2	Run) (Prover) Siz	
Pressure	Buildun	: Shut in	4	-2 2	0/4 at _			Taken	42	320	14at 8,7	00 (AM)(PM)	
Well on L	•	Started) at					20	at	$\overline{}$	
				<u></u>		OBSERVE	ED SURFAC	E DATA			Duration of Shut	t-in 24 Hor	
Static / Dynamic Property	Orifice Size (inche:	Meter	Circle one Meter Prover Pressure		Flowing Temperature t	Well Head Temperature	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced	
Shut-In		psig (Pr		Inches H ₂ 0			psig	843	psig	psia	24		
Flow													
						FLOW ST	REAM ATT	RIBUTES					
Plate Coefficeient (F _b) (F _p) Mcfd		Gircle one Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fact F _g	or	Flowing Temperature Factor F _{ft}	Fa	iation ictor pv	Metered Flow R (Mcfd)	v GOR (Cubic Fi Barrel	eet/ Fluid	
			<u> </u>		(OPEN EL				4710110				
(P _c) ² =		: (P _w) ²	:=		P _d =		/ERABILITY % (1	P _a - 14.4) +			-) ² = 0.207) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		ose formula 1 or 2- 1. P _c ² -P _a ² 2. P _c ² -P _d ²	LOG of formula 1 or 2 and divide	P _c ² ·P _w ²	Backpressure Curve				Antilog	. Open Flow Deliverability Equals R x Antilog	
<u> </u>		·	divid	led by. $P_c^2 - P_w^2$	by-		Stand	dard Slope	-	<u>.</u>		(Mcfd)	
Open Flow Mcfd @ 14.65				5 psia	•	Deliverat	Deliverability		Mcfd @ 14.65 psia				
		ned authority, erein, and that						1	o make the	e above repo	rt and that he h	as knowledge of	
•		Witness	i (if any	/)	·		-		<u>xanı</u>	CU /	Appany Which	Received AS CORPORATION COI	
		For Con	nmlasio	n n			_	V		Chec	ked by	- C C C	

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I declare under penalty of perjury under the laws of the state of Kansas that I am auth	1
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Ir	i
and that the foregoing pressure information and statements contained on this application	
correct to the best of my knowledge and belief based upon available production summaries	
of equipment installation and/or upon type of completion or upon use being made of the gas w	well herein named.
I hereby request a one-year exemption from open flow testing for the Wineinger 3-35	
gas well on the grounds that said well:	1
(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 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 deel staff as necessary to corroborate this claim for exemption from testing.	
Date: 10-1-14	
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.

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