KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instruct	ions on Reve	erse Side,			•		
Open Flow Test Date:					ıt v			. APII	No. 15 ∽			
Deliverabilty				4-3	Test Date: 4-3-/4				15-071-206930000			
Company Horseshoe Operating, Inc.				•	Lease Wear			· 		1	Well Number	
County Location Greeley C-NE/SE			Section 15		TWP 17S		RNG (E/W) 40W			Acres Attributed 320		
Field Bradshaw			Reservoir Winfield				Gas Gathering Connection DCP Midstream					
Completion Date 8-20/1998				Plug Back Total Depth 3023				Packer Se	et at			
Casing Si 4.5	Casing Size Weight 10.5			Internal Diameter 4.052		Set at 3022		Perforations 2988		то 30 00	*	
Tubing Si 2.375	ubing Size Weight 4.7			Internal E 2.0000)iameter	Set at Perf		Perfora	ations	То		
Type Completion (Describe) Single gas				Type Fluid Production Water			_	Pump Unit or Traveling Plunger? Yes / No				
Producing Thru (Annulus / Tubing) Casing				% Carbon Dioxide				% Nitrogen Ga			avity - G _g	
Vertical D	epth(H)				Pres	sure Taps			 	(Meter i	Run) (Prover) Size	
2573			11 -	111	Flan			,,		مريد الر	- A	
Pressure	Buildup:	Shut in	4-2 20	$\frac{/\mathcal{H}_{at}}{}$	8,00	(AM) (PM) 1	Taken	4-1	<u>3</u> 20/	14 _{at} 8,0	00 (AM) (PM)	
Well on Li	ine:	Started	20	at		(AM) (PM) 1	Taken		20 .	al	(AM) (PM)	
_		•			OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24 Hours	
Static / Dynamic Property	Orifice Size (inches) Orifice Size (inches) Orifice Meter Differential In Inches H ₂ 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _b) or (P _c)		Duration (Hours) '	Liquid Produced (Barrels)		
Shut-In			Inches H ₂ 0			psig psia		psig	psig psia 24		<i>F</i>	
Flow	7.00									<u> </u>		
		1	<u>'</u>		FLOW STR	EAM ATTRIE	BUTES	-				
Plate Coeffiect (F _b) (F Mcfd	ient Pr	Circle one: Meter or Over Pressure psia Press Extension P _m x h		Gravity Factor F _g		Flowing Temperature Factor F _{tt}	ature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity	
				1		<u>-, -</u>			•	,		
(P _c) ² =		(P _w) ² =		(OPEN FLO	• • •	ERABILITY)	CALCUL - 14.4) +			(P _e)	² = 0.207	
			Choose formula 1 or 2:			1	sure Curve		 	/' d/	Open Flow	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$P_c^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$		LOG of formula 1. or 2. and divides P2-P2		Slope = "n" Assigned Standard Slope		n x L	0G	Antilog	Deliverability Equals R x Antilog (Mcfd)	
			divided by: $P_c^2 - P_w^2$	by:		GENIGA	. Споро				. ,	
Open Flov	w		Mcfd @ 14.6	S osia ?	•	Deliverabil	itv	<u> </u>		Acfd @ 14.65 psi	a	
•		d authority a			inton that I		_	o mako sh				
		-	on behalf of the (aid report is true		-		5	day of	AN A	, and that he ha	20 / 4	
,			ala roport io u uo		Executed	4110 410 <u> </u>		110	inos K	inla		
		Witness ((If any)			_		1	Force	smparty (KCC WIC	
								V			NGC WILL	

APR 1 7 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 Wear #1
gas well on 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 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: 4-15-14
Signature: Janice Ripley Title: Production Assistant

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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