RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					((See Instr	uctions on A	everse Sid	e)	,			
Open Flow ✓ Deliverability				Test Date: 05/20/2013 to 05/24/2013					l No. 15 1-20079- 0 (200			
Company	·		·		UDI/2U/20	J 10 U3.	Lease		07			Well Number	
Horseshoe Operating, Inc.				Section		Clift			/W)	#1	Acres Attributed		
County Greeley			Location C SE 1/4		17		178			/ vv)		Acres Attributed	
Field Bradsha	w			Reservoir Winfield					as Gathering Connection OCP Midstream				
Completio	on Date	е			Plug Back Total Depth 3034		epth	Packer Se		Set at			
Casing Size 4.5		Weight 9.6		nt	Internal Diameter 4			Set at 3043		rations 7-2960	то 2994-3000		
Tubing Size 2.375			Weigh	nt .	, Internal Diamete 1.995		Set at SN-3002		Perforations		То		
Type Completion (Describe)			Type Fluid Production Salt Water			Pump Unit or Traveling Plump No			Plunger? Yes	/ No			
Single (Gas) Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitrogen		Gas Gravity - G _g			
Vertical Depth(H)				Pressure Taps Flange						(Meter 2 incl	Run) (Prover) Size		
Pressure	Buildur	p:	Shut in 05/	20 ₂	0_13_at_6	:30 AM	(AM) (PM)	Taken 0	5/24	20	13 at 8:30 A	(AM) (PM)	
Well on L	ine:									20	at	(AM) (PM)	
	· · · · · · · · · · · · · · · · · · ·					OBSER	VED SURFAC	E DATA			Duration of Shut-	in_98 Hou	
Static / Dynamic Property	Orifice Meter Size Prover Pres		Circle one: Meter Prover Pressi psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head	Wellhead (P _w) or (Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			poig (i iii)	mones 11 ₂ 0	-		psig 111	124.4	psig	psia	98	n/a	
Flow													
				ŀ		FLOW S	TREAM ATT	RIBUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m xh	Gran Fac F	tor	Flowing Temperature Factor F _{tt}	Fa	viation actor F _{pv}	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity	
				1	(ODEN EI	OW) (DEL	.IVERABILIT	Y) CALCUI	ATIONS				
(P _c) ² =		_:	(P _w)² =	·:	•			(P _c - 14.4) +		:	(P _a)	1 ² = 0.207 1 ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide		Backpressure Cur Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
0				11-13-51.	65		D-"	L:11:L -			Motel & 11.55	<u> </u>	
Open Flo				Mcfd @ 14.			Delivera	···•			Mcfd @ 14.65 ps		
		•	-	n behalf of the			•			ne above repo une	ort and that he ha	as knowledge of, 20 _13	
			Witness (·	· - <u></u>		-		anic	e Ry	elly-	KCC WI	
				·			-			, , , ,	V	JUL 05	
			For Comm	nission						Che	cked by		

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I declare under penalty of perjury under the laws of the state of Kansas the exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe	
and that the foregoing pressure information and statements contained on this a correct to the best of my knowledge and belief based upon available production s	pplication form are true and
of equipment installation and/or upon type of completion or upon use being made (
I hereby request a one-year exemption from open flow testing for the Clift #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 und	ergoing 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 mo	ef/D
I further agree to supply to the best of my ability any and all supporting docu staff as necessary to corroborate this claim for exemption from testing.	ments deemed by Commission
Date: _06/04/13	
Signature: <u>Janich Ry</u> Title: <u>Production</u>	oley 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.