KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				((See Instru	ctions on Rev	verse Side	e)				
Open Flow Deliverability					Test Date:				API No. 15 15-075-20793 <i>-0000</i>				
Company Horseshoe Operating, Inc.					7 3	/ /	Lease Sugar				Well Number		
County	County Location Hamilton NE NW				Section 24		TWP 23S			/W)	Acres Attributed		
^{Field} Bradshaw				Reservoi Winfiel		, ,		Gas Gathering Conne DCP Midstream		ection			
Completion Date 3-31-2003				Plug Bac 2570	k Total De	oth		Packer Set at					
Casing S 4.5	sing Size Weight 10.5				Internal I 4.052	Diameter	ter Set at 2578		Perforations 2534		то 2543		
Tubing S 2. 80	ing Size Weight 0 4.7				Internal Diameter 2.0000		Set at 2550		Perforations		То		
Type Completion (Describe) Single Gas						Type Fluid Production			Pump Unit or Traveling Plung Yes			/ No	
Producing Thru (Annulus / Tubing)					% C	% Carbon Dioxide				gen	Gas G	ravity - G	
Vertical D	epth(H)						ssure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildup:	Shut in	4	-2 2	0/4 _{at}	Flar <i>8,00</i>		Taken	4.	3_20/	14 at 8,0	OO (AM) (PM)	
Well on L	ine:	Started		20	0 at		(AM) (PM)	Taken			at	_	
:					î.	OBSERVI	ED SURFACE	DATA			Duration of Shut	-in <u>24</u> Hour	
Static / Dynamic Property	Orifice Size (inches	Prover Pre	ssurø	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead (P _w) or (P	Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Tubing pad Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	.62	5					puly	73.5	psig		24		
Flow		<u> </u>									: -		
						FLOW ST	REAM ATTR	BUTES				····	
Plate Coeffiect (F _b) (F Mcfd	ent)	Clicle one: Meter or Prover Pressure psia		Press Grav Extension Fact √P _m xh F ₀		tor	Flowing Temperature Factor F _{tt}	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity	
					-								
P _c) ² =		: (P _w) ²	·=	· :	OPEN FLO		VERABILITY) % (P	CALCUL 2 - 14.4) +		:	(P _a)) ² = 0.207) ² =	
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w) ²		1. P _c ² -P _a ² 2. P _c ² -P _a ² bed by: P _c ² -P _w ² LOG of formula 1. or 2. and divide by:		Slop P2 P2 Ass		ssure Curve ee = "n" or signed ard Slope	, ,	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			ļ.· 		<u> </u>				·			<u> </u>	
pen Flov	pen Flow Mcfd @ 14.65 psia							Deliverability			Mcfd @ 14.65 psia		
		ned authority,						2	o make the	epter www.k	nt and that he ha	as knowledge of, 20	
ı		Witness	<u> </u>				-			For C	ampaffy (
		, For Cor	nmissio	n			_			Chec	ked by	Receive	

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. . . j. . 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 Sugar #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: 9-3-14

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.

Production Assistant

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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