KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instruc	ctions on Re	verse Side	9)				
Open Flow Deliverability				Test Date	Test Date: 4-3-14				API No. 15 15-075-206710000			
Company Horseshoe Operating, Inc.					Lease Tate						Well Number	
County Location Hamilton SW/4 NE NE				Section 27		TWP 24S		RNG (E/	W)		Acres Attributed 640	
Field Reservo Bradshaw Winfie							<u> </u>		hering Conne lidstream	ction		
				Plug Bad 2395	Plug Back Total Depth 2395				Set at .			
			internal I 4.052	Internal Diameter Set a 4.052 2394				rations 3-79; 2383-	то 86	,		
_				Internal Diameter Set at 2.0000 2390			Perfo	rations	То			
Type Completion (Describe) Type F					ype Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No				
					arbon Diox	cide		% Nitrog	en	Gas Gr	avity - G	
Vertical Depth(H) P						ssure Taps				(Meter	Run) (Prover) Size	
Pressure B	 Buildup;	Shut in	4-2	20/H _{at}	_		Taken	4-3	20/	14 at 9:0	O (AM) (PM)	
Well on Lin	ne:	Started		20 at		. (AM) (PM)	Taken		20	at	(AM) (PM)	
				<u> </u>	OBSERV	ED SURFAC	E DATA			Duration of Shut-	in 24 Hours	
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pres	Differentia sure in	Temperature	Well Head Temperature t	Wellhead Pressure (P_e) or (P_t) or (P_e)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Ouration (Hours)	Liquid Produced (Barrels)	
Shut-la (625					62	psia	parg	µsia	24		
Flow												
			-1		FLOW ST	REAM ATTR	BUTES	<u> </u>	<u>_</u>			
Plate Coeffiecte: (F _b) (F _p) Mcfd		Gircle one: Meter or Prover Pressure psla		Press Grav Extension Fact Pmxh Fg		Tomporatura		Deviation Metered F Factor R F P (Mcfd)		w GOR Flowin (Cubic Feet/ Gravit Barrel) G _m		
				(OPEN EL	DVD (DEL 1)	/EDADII (TV	D CAL CIVI	ATIONS				
° _c)² =	<u>-</u> -:	` (P _w)²		P _a =		/ERABILITY % (I	P _e - 14.4) 4		<u>:</u> :	(P _a)	² == 0.207	
(P _c) ² - (P _e or (P _c) ² • (P _d	,)² ,)²	(P _c)²- (P _w)²	1. P _c ² -P _c ² 2. P _c ² -P _c ² divided by: P _c ² -F	P ₂ -P ₂ LOG of formula 1, or 2, and divide P		Backpressu Slope or Assig Standard		пх	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					_							
Open Flow			Mcfd @ 14	1.65 psia		Deliverat				Mcfd @ 14.65 ps		
•		ed authority,			tates that			to make th		rt and that he ha	· ·	
			said report is tr			•	16	day of	Jun	<u>l</u>	. , 20 14 .	
<u>. </u>		Witness	(if erry)			-	(_	Jan	LCL A	iples	CC WICHI	
		For Com	mission			-		v	Chec	ked by	JUN 2 0 2014	

RECEIVED

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 Tate #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: $6-6-4$
Signature: <u>Janice Ripley</u> Title: <u>Production Assistant</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.

with the city

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