KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type test.					(See ilisiiuc	dons on ne	everse siu	e)					
	en Flow iverabilty			Test Dat	te: -/3			API 15	No. 15 .071_2071	1-00-0	S		
Company Horsesh	пое Ор	erating, In	с.	_/ / 0_	<u> </u>	Lease Watso	n Farms		011-2011	2		lumber	
County Location Greeley S/2 NE/4 SW/4			Section 19		TWP 20S		RNG (E/W)			Acres Attributed			
Field Bradshaw			Reservo Winfie			Gas Gathering C DCP Midstrea			ection				
Completion Date 11-11-1999			Plug Back Total Depth 2945 TD				Packer S						
Casing Size Weight 10.5			Internal Diameter 4.052		Set at 2944		Perforations 2854-58		т _о 2865-70				
Tubing Size Weight 2.375 4.7			Internal Diameter 2.0000		Set at 2890		Perforations		То				
Type Completion (Describe) Single Gas				Type Fluid Production Water				Pump Un Yes	it or Traveling	Plunger? Ye	Plunger? Yes / No		
Producing Casing	Thru (An	nulus / Tubin	g)	% (Carbon Dioxi	de	,	% Nitroge	en	Gas (Gravity -	G _g	
Vertical De	pth(H)		· · · · · · · · · · · · · · · · · · ·	 	Press Flan	sure Taps				(Mete	r Run) (f	Prover) Size	
Pressure B	uildup:	Shut in	7-17 2	0/3 _{at} /	0:30	(AM) (PM)	Taken	7-1	8 20	13 _{at} 10.	30	(ÂM) (PM)	
Well on Lin			2		. '							(AM) (PM)	
					OBSERVE	D SURFACI	E DATA			Duration of Shu	ıt-in 🔏	544_Hou	
Static / lynamic roperty	Orifice Size (inches)	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Tubing Welihead Pressure (P _w) or (P _t) or (P _c) psig psia		Ouration (Hours)		Liquid Produced (Barrels)	
Shut-In	500					μsig	65	psig	psia	24			
Flow												· ·	
Plate Coefficcient		Circle one: Meter or ver Pressure	Press Extension			Flowing emperature	nperature Ear		Metered Flow	GOF (Cubic F	eet/ Fluid		
(F _b) (F _p) Mofd		psia	✓ P _m xh	F,		Factor F _{rt}	F	ρν	(Mcfd)	Barre	(i) Grav	Gravity G _m	
	_1			(OPEN EL C	DW) (DELIVE	DADILITY	CALCUI	ATIONS		•	, , ,	<u>l.</u>	
) ² =	<u> </u>	(P _w) ² =	<u> </u>	$P_d = $	%	•	- 14.4) +		· · ·		$(a)^2 = 0.2$ $(a)^2 = $	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	i)²- (P _w)²	1. P _c ² -P _a ² LOG o formula 2. P _c ² -P _d ² ided by: P _c ² -P _w ²		P _c ² -P _w ²	Backpressure Curve Slope = "n"or Assigned Standard Slope		n x L(og []	Antilog	Open Flow Deliverability Equals R x Antiloo (Mcfd)		
pen Flow Mcfd @ 14.65 psia					·	Deliverability			<u>l</u>	Mcfd @ 14.65 psia			
The unde	ersigned	authority, on	behalf of the (Company, st	ates that he			make the				ledge of	
			d report is true				15	lay of	ctobe			20 13	
•	· · · · · · · · · · · · · · · · · · ·	Witness (if a	iny)				-	anie	e Ki	pley	·		
		For Commis	sian				U		Check	V ed by			

	of under the laws of the state of Kansas that I am authorized to request under the laws of the operator Horseshoe Operating, Inc.
correct to the best of my knowledge ar of equipment installation and/or upon to	mation and statements contained on this application form are true and and belief based upon available production summaries and lease records type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exempgas well on the grounds that said well:	ption from open flow testing for the <u>Watson Farms #2</u>
is on vacuum at the ✓ is not capable of pro	er lift due to water ral gas for injection into an oil reservoir undergoing ER represent time; KCC approval Docket No roducing at a daily rate in excess of 250 mcf/D st of my ability any and all supporting documents deemed by Commission
Date:	
	Signature: Ance 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.

CONSERVATION DIVISION WICHITA, KS