KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:				(See Instru	ctions on Rev	erse Side	a)			
o	pen Flo	v		Tool Dol				4.00	111. 45		
Deliverabilty				5-22-/3					1 No. 15 1 -20656-00 -0	00	
Compan		erating, Inc.	1 2 2.4111	<u> </u>	· · · · · · · · · · · · · · · · · · ·	Lease Watson				1	Well Number
County Location Greeley C SW/4				Section 17		TWP 20S		RNG (E/W) 39W		Acres Attributed	
ield		0 000/4		Reservoir				Gas Gathering Conne		ection	
radsha	on Date			Winfield Plug Back Total Dep			DCP Midstream Packer Set at		Total state - Audia		
17-19	97		2831				None				
Casing Size 4.5			Weight 11.6		Internal Diameter 4.000		Set at 2831		rations 0	To 2810	
Tubing Size 2.375		Weig 4.7	ght	Internal Diamete		Set at 2811		Perforations		То	
pe Cor		(Describe)		Type Fluid Productio				Pump Unit or Traveling Plum		Plunger? Yes	/ No
Single - Gas Producing Thru (Annulus / Tubing)			na)	Water % 0	ide /	Pump Unit - Roo % Nitrogen			Gas Gravity - G		
nnulu	-	(9/	,,,,				75 THILOS	,	GBS G	avity - ag
ertical C	Depth(H)			Pres Flan	ssure Taps				(Meter	Run) (Prover) Size
essure	Builder	: Shut in	5-21 2	0/3.			Takan :	5-6	22 20	/3 at 10	100 (AM) (PM)
ell on L	•		2							at	_
		· ·			OBSERVE	D SURFACE	DATA		 	Duration of Shut	-in <u>24</u> Hour
atic / Orifice namic Size operty (inches)		Meter Differential Prover Pressure in		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	.50	psig (Pm) Inches H ₂ 0			psig psia		psig psia		24	
Flow										<u> </u>	
					FLOW STE	REAM ATTRI	BUTES				
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension P _m x h	Grav Fac	Tompomiture		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	1 Gravitu
									,		
			•	(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS	,	(P _a)	² = 0.207
) ² =		: (P _w) ²		P _d =		% (P _c	- 14.4) +	14.4 =	·:	(P _d)	
$(P_c)^2 - (P_a)^2$		(P _c) ² · (P _w) ²	1. P _c ² - P _s ² 2. P _s ² - P _s ²	LOG of formula 1. or 2.	$\lceil \rceil$	Slope	Backpressure Curve Slope = "n" or		.og	Antilog ·	Open Flow Deliverability
(P _c) ² - (F	P _d) ²		divided by: P2-P2	and divide	P.2 - P.2	Assigned Standard Slope					Equals R x Antilog (Mcfd)
	-			ļ				+			
pen Flow Mcfd @ 14.			85 neie		Deliverability		Mcfd @ 14.65 psia				
The u	ındersig	•	on behalf of the	Company, s		e is duly auti	norized to	make th		t and that he ha	
		Witness	(if any)		."			wnuc	Ford	mpany J	JUL 2 5 20
10 6 95.		Far Com	mission	1151 - 11 11 11 11 11 11 11 11 11 11 11 11 					Check	ed by	

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 Watson 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
The state of the s
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:
Signature: <u>Janice Ripley</u> 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.