KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	i:				('See Instruc	ctions on Reve	erse Side)				
□ Op	en Flo	~			*				ADI	N= 4P			
De	liverab	ilty			7-9-1	<i>i</i> /			15-	No. 15 071-20711	- 000c)	
Company	hoe (Dpe	rating, Inc	<u> </u>	<u></u>	Lease Watson Farms				Well Number			
County Location Greeley S/2 NE/4 SW/4				Section 19		TWP 20S	TWP 20S		W)	Acres Attributed			
Field Bradshaw				Reservoi	-			Gas Gathering Connec		ction			
Completion Date 11-11-1999				Plug Bac 2945 T	k Total Dep	oth		Packer S	Set at				
Casing S 4.5	ize		Weigh 10.5	t	internal 6 4.052	Diameter		Set at 2944		rations 4-58	то 2865-70		
Tubing Size 2.375			Weigh 4.7	t	Internal Diameter 2.0000			Set at 2890		Perforations		То	
Type Completion (Describe) Single Gas				Type Flui Water	Type Fluid Production Water			Pump Unit or Traveling Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing) Casing				% (% Carbon Dioxide				% Nitrogen Gas Gravity - G				
Vertical D	epth(H)			,	Pre: Flar	ssure Taps				(Meter I	Run) (P	rover) Size
Pressure	Buildu	o : (Shut in	3-8 2	o			Taken	3	3-9 20	// at /0; 3	30	AM) (PM)
Well on L	ine;	;	Started	2	0 at		_ (AM) (PM)	Taken		20	at		(AM) (PM)
						OBSERVI	ED SURFACE				Duration of Shut-	in	4 Hours
Static / Dynamic Property	Dynamic Size		Circle one: Mater Prover Pressu psig (Pm)	Pressure Differential re In Inches H ₂ 0	Flowing Well Head Temperature t				Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		•		d Produced Barrels)
Shut-In	,5	00					pang	68	ka.ii hostr		24	24	
Flow					<u></u>								
						FLOW ST	REAM ATTRI	BUTES					1
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psie		Press Extension ✓ P _m xh	Grav Fac	tor	Flowing Temperature Factor F _{ft}	Fe	riation actor F _{av}	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
		<u>-</u>			4005115			2010	4710110				<u> </u>
(P _c) ² =		<u>.</u> :	(P _w) ² =	:	(OPEN FL	OW) (DELI	VERABILITY) .% (P.	CALCUL _e - 14.4) +		 ;	(P _a) (P _d)) ² = 0.2) ² =	
$(P_c)^2 \cdot (P_a)^2$ or $(P_a)^2 \cdot (P_a)^2$		(P _e)* • (P _w)*		Choose formula 1 or 2 1. P _c ² -P _s ² 2. P _c ² -P _s ² divided by: P _c ² -P _s ²	LOG of formula 1. or 2. and divide	P2-P2	Backpressure Curv Slope = "n"or Assigned Standard Slope		n x LOG		Antilog De		pen Flow iverability 3 R x Antilog (Mcfd)
					<u> </u>								
Open Flow Mcfd @ 14.65 psia					65 psia	sia Deliverability			Mcfd ② 14.65 psia				
		_	·	behalf of the	•		•	thorized t	day of	he above repo	nt and that he ha	as know	rledge of
			Witness (i	any)	· · ·		-	(Turk	For C	Ampany /	F	RECEIVE
			For Comm	Ission			_			Chec	ked by		

JUN 1 0 2011

	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the forego correct to the best of of equipment install.	ing pressure information and statements contained on this application form are true and f my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named.
gas well on the grou	t a one-year exemption from open flow testing for the
i i i i i i i i i i i i i i i i i i i	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No. s not capable of producing at a daily rate in excess of 250 mcf/D o supply to the best of my ability any and all supporting documents deemed by Commission of corroborate this claim for exemption from testing.
	Signature: Janice 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.