KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t;					(See Instruc	tions on Rev	verse Side)					
= :	en Flov diverab				Test Date	7//				No. 15 1-20807-00-0	ın			
Company					1/054/		Lease	_ 1 -1 -				Weli N	umber	
Horseshoe Operating, Inc. County Location			Househole Section TWP			olaer	RNG (E		3-29	Acres	Attributed			
Greeley N/2 NE SW		sw	29		208									
Field Bradshaw					Reservoir Winfield					thering Conne lidstream	ection			
Completion Date 1-20-2005			Plug Back Total D 2848 (TD)				th Packer Set at			Set at				
Casing Size 4.5		Weight 10.5		Internal Diameter 4.052		Set at		Perforations 2789		то 2799				
Tubing S 2-3/8"	Tubing Size		Weight 4.7		Internal Diameter 2.000		Set at 2831		Perforations		То			
Type Completion (Describe) Single - Gas				Type Fluid Production Water			Pump Unit or Traveling Pump Unit - Rod			Plunger? Yes / No				
		(Anr	ulus / Tubing	3)	% C	Carbon Dioxi	de		% Nitrog		Gas Gr	avity -	G,	
Annulus	-			-, · · · · · · · · · · · · · · · · · · ·		Door					***			
Vertical D	epin(n	,				Flan	sure Taps ge				(Meter)	Kun) (P	rover) Size	
Pressure	Buildu); ;	Shut in	125 2	0 // at 6	2:30	(AM) PM	Taken	7/24	2 20/	1/ at 3.3	30	(AM) (FM)	
Well on L	.ine:	;	Started	,					,		at		(AM) (PM)	
	-			···		OBSERVE	D SURFACE	DATA	•		Duration of Shut-	in _d	74 Hours	
Static / Orlf		l Mater		Pressure Differential	Flowing	Well Head		Casing elihead Pressure		Tubing ad Pressure	Duration	Liquid Produced		
Property	Oynamic Size Property (inches)		Prover Pressure in psig (Pm) inches		Temperature Temperatur		(P _w) or (P ₁) or (P _n) psig psia		(P _m) or (P ₁) or (P _a)		(Hours)	(Barrels)		
Shut-In						-		41	F		24		- ··· -	
Flow								•						
	1			<u> </u>	1	FLOW STR	EAM ATTRI	BUTES						
Plate Coeffictient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension	Grav Fac F	tor 1	Tomporatura		ation ctor	Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
					<u></u>			<u> </u>						
(P _e)² ≃			(P _w) ² =		(OPEN FLO	• •	ERABILITY) % (P	CALCUL - 14.4) +			(P _a)	² = 0.2	:07	
(, ,	[<u>-</u> -		Choose formula 1 or 2:			1	sure Curve	<u> </u>	г л l	(d)		oen Flow	
(P _a) ² - (P _d) ² or (P _a) ² - (P _d) ²		(P	_a)² - (P _w)²	1. P ₂ ² · P ₂ ² 2. P ₂ ² · P ₃ ² divided by: P ₂ ² · P ₂ ²	LOG of formula 1. or 2. and divide by:	P,2. P,2	Ass	Slope = "n" or Assigned Standard Slope		LOG	Antilog	Del Equals	Deliverability Equals R x Antilog (McId)	
			-				<u> </u>	· · · · · ·						
Open Flo	L			Mcfd @ 14.6	E5 osia	·	Deliverabi	lity		<u> </u>	Acfd @ 14.65 psi	<u> </u>		
		aner	Leuthority or			tatoe that he		<u> </u>	maka th		t and that he ha		dadaa at	
				lid report is true				<u>3</u> ,	day of	lugu	t and that he ha	S KNOW	20 <u>//</u> .	
			Witness (ii	any)		·	_	Jan	ice	Kipl For Co	DIT DITTO TO	REC	EIVED-	
			For Comm	Ission	<u> </u>		_	-		Check	ced by	106- 1	 1 2011 	

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	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	the foregoing pressure information and statements contained on this application form are true and
	o the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
	reby request a one-year exemption from open flow testing for the Householder 3-29
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
l furt	her agree to supply to the best of my ability any and all supporting documents deemed by Commissic
staff as r	ecessary to corroborate this claim for exemption from testing.
Date:	8/3///
	\sim \sim \sim \sim \sim \sim \sim
	Signature: Janua Kipley
	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.