KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side))					
Open Flow Deliverabilty			Test Dat	Test Date: API No. 15 8/6//0 075-20816-00-00									
Company	,			0/0/	//0	Lease	·····	- 07	J-20510-0	0-00	Well Numb	er	
Horseshoe Operating, Inc. County Location					- Braddock					1			
County Lo C S				Section 34			TWP 22S		E/W)		Acres Attri	buted	
Field Bradsh	aw		n jun uns	Reservoi Winfie	r Id Paris	** ***	· .		thering Conn Midstrea		10 mg 10 mg	is K	
9-29-04	!			Plug Bad 2600 (k Total Dept	th		Packer	Set at				
Casing Size 4.5		Weight 10.5		Internal I 4.052	Diameter	Set at 2600		Perforations 2585		то 2593			
Tubing Size 2.375		Weight 4.70			Internal Diameter 2.000		Set at 2599		prations	То	То		
Type Completion (Describe) Single - Gas					d Production			Pump Unit or Traveling Plunger? Pump			Yes / No		
Producing	Thru (An	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitro		Gas G	ravity - G _g		
Vertical De	epth(H)		·		Press	sure Taps				(Meter	Run) (Prove	er) Size	
Pressure I	Buildup:	Shut in	8/5 2	o <u>///</u> ate	8:40 ₍	(AM) (PM)	Taken	8/	6 20	<u>/0</u> at <u>8.'4</u>	O (AM)	(PM)	
Well on Li	ne:	Started	20	0 at		(AM) (PM)	Taken		20	at	(AM)) (PM)	
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24	Hours	
Static / Orifice Dynamic Size Property (inches		Meter Differential		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing pad Pressure or (P _t) or (P _c) psia	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	.750						66	psig		24			
Flow													
			· · · · · · · · · · · · · · · · · · ·		FLOW STR	EAM ATTRIE	BUTES						
Plate Coefficcie (F _b) (F _p Mcfd	ent	Citcle one: Meter or Prover Pressure psia Press Extension P _m x h		Grav Fact F _g	or T	Flowing Deviation Temperature Factor Factor F _{pv}		ctor	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	et/	lowing Fluid Gravity G _m	
							<u> </u>						
(P _c) ² =	:	(P _w) ² =	:	(OPEN FLO	OW) (DELIVI	ERABILITY) 6 (P	CALCUL - 14.4) +		:	(P _a) (P _d)	² = 0.207		
(P _c) ² - (P or (P _c) ² - (P	- 1	P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_c^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P. 2 - P. 2	Backpressure Curv Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			V .	<u> </u>			······································			· —			
Open Flow	v	I.	Mcfd @ 14.6	S5 psia		Deliverabil	ity	l		Mcfd @ 14.65 ps	ia		
				Company, s		e is duly aut	horized to	o make to		rt and that he ha		10	
							\sim	inicl	Riple	ey		_ -	
		Witness (ii					0°		For C		CEIVED)	
		For Comm	reatUtt						Cne	CKed by	1 4 201	n	

KCC WICHITA

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 Braddock #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:

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.