KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Туре Те:	st:						(See Instruc	ctions on Re	everse Side	a)		,			
□ o	pen Flo	w										•			
Deliverabilty					Test Date: 1-13-12			API No. 15 15-071-20110							
Company Horseshoe Operating, Inc.						115	Lease Sell			· · · ·		B-1	Well Number		
County Location Greeley C SE				ation						RNG (E	E/W)		Acres Attribute		
Field Bradshaw						Reservo U. Ft.				Gas Ga	thering Conne				
Complete 7/76	te					Plug Back Total Dept 3050			Packer Set at None						
Casing S 4.5	Size		Weight 10.5			Internal Diameter 4.09		Set at 3049		Perforations 2994		To 3000			
Tubing S 2.375	ize		Weig 4.7	jht	Internal Diameter 1.995			Set at 3045		Perforations		То			
Type Completion (Describe) Single Gas						Type Flu Water	id Productio	n	Pump Unit or Traveling Yes			Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Annulus						% (% Carbon Dioxide			% Nitrogen			Gas Gravity - G		
Vertical E 3050	Depth(F	1)	•				Pres	sure Taps	•		· · · · · · · · · · · · · · · · · · ·	(Meter	Run) (Prover) S		
Pressure	Buildu	p: -	Shut in		-12 2	0/2 at 4	1:45	(PM)	Taken	1-1	3 20/	12 at 9:0	25 (AM) (PI		
Well on L	ine:	,	Started		2	0 at		(AM) (PM)	Taken		20	at	(AM) (Ph		
							OBSERVE	D SURFAC	E DATA			Duration of Shut	_{-in_24_н}		
Static / Oynamic Property	ic Size		Girale one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Temperature Tempera				Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration Liquid Pr (Hours) (Barr			
Shut-In	hut-In .625								/30	No.		24			
Flow															
							FLOW STR	EAM ATTE	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Mater or Prover Pressure psia			Press Extension ✓ P _m xh		or 1	Flowing Femperature Factor Fit	mperature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Groud		
		-				(OPEN EL (OW) (DELIV	EDADII ITV	CALCIII	ATIONS					
(P _c)² =		_;	(P _w)² =		:	P _a =			P _e - 14.4) +		:	(P _a)	² = 0.207 ² =		
(P _t) ² - (F or (P _c) ² - (F	-	(P _e) ² - (P _u) ²		Choose formula 1 or. 1. P _c ² -P _c ² 2. P _c ² -P _c ² divided by: P _c ² -P _c		LOG of formula 1. or 2. and divide	P.2-P.2	Backpressure Curve Slope = "n"		n x	LOG [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
									,			 	<u></u>		
Open Flow Mcfd						d @ 14.65 psia			Deliverability		Mcfd @ 14.65 psia				
					half of the (<u>26</u>	day of	mar	t and that he ha	es knowledge of 20 16 RECEN		
	· <u>-</u>		Witness (f any)				, -	Jan	ice	FORCE	ufaçılmy			
			For Comm	vission				-			Check	ed by	MAR 2 8		

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 Sell B-1
gas well on the grounds that said well:
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: 3-26-12
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.