KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				((See Instruct	ions on Reve	rse Side)					
Open Flow Deliverabilty					Test Date: 1-13-12					No. 15 1-20793-00	-0Ó			
Company Horseshoe Operating, Inc.					Lease Sleigh			· · · · · ·				Well Number 2-1		
County Greeley		<u></u>	Locati C NE	on	Section:			TWP 17S		W)		Acres Attributed		
Field Bradsh	aw					Reservoir Winfield			Gas Gathering Connecti DCP Midstream		ction			
Completion Date 8/27/04					Plug Bac 3002	Plug Back Total Depth 3002			Packer Set at					
Casing S 4.5	ize		Weigh 10.5	t	Internal I 4.052	Internal Diameter 4.052		Set at 3004		rations 6-32	to 2936-40			
Tubing Si 2.375	ize		Weigh 4.70	t	Internal (Diameter	Set at	2948-60			То			
Type Con Single	npletio	n (De	escribe)		Type Flui Water	id Production	1		Pump Ur	nit or Traveling		/ No		
Producing	g Thru	(Anr	nulus / Tubing	3)	% C	Carbon Dioxi	de		% Nitrog	en	Gas G	avity - (3,	
Vertical D	epth(l	1)				Pres	sure Taps			_	(Meter	Run) (P	rover) Size	
Pressure	Buildu	p: :	Shut in	1-12 2	20/2 at _	8:00	(PM) T	aken	<i>1-13</i>	20/	12 at 8:00	2	AM) (PM)	
Well on L	ine:	;	Started	2	0 at		(AM) (PM) T	aken		20	at		(AM) (PM)	
			Circle one:	Pressure	1	OBSERVE	D SURFACE				Duration of Shut	-in	Hours	
Dynamic Si		ifice Meter ize Prover Pres		Differential	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Wellhe	ad Pressure r (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			post (* m)	Wildlies 1720			psig	// O	psig	psia	24			
Flow														
				,· ·		FLOW STR	EAM ATTRIE	UTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psla		Press Extension ✓ P _m x h	Extension Fac		tor Temperature		riation actor	Metered Flow R (Mcfd)	GOR (Cubic Fo Barret		Flowing Fluid Gravity G _m	
	l			<u> </u>	(OPEN FL	OW) (DELIV	ERABILITY)	CALCUI	ATIONS		(P) ² = 0.2	207	
(P _c) ² =		_:	(P _w) ² =	:	P _d =		% (P _c	- 14.4) +	14.4 =	:	(P.			
$(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _a	1. P _c P _c P _c LOG of formula 2. P _c P _c P _c 1. or 2. and divide		P.2-P.2 Assi		n x	roe	Antilog	Del Equak	Open Flow Deliverability quals R x Antilog (Mcfd)	
Open Flow				Mcfd © 14.65 psia			Deliverability			Mcfd @ 14.65 psia				
		_	•	n behalf of the	, .			horized to	day of	ne above repo March	nt and that he h	as knov	dedge of 20 12 .	
			Witness (i	Eny)				To		For C	omplatny	F	RECEIVE	
			For Comm	ission	n					Chec	ked by			

MAR 2 8 2012

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 Sleigh 2-1
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: <u>Janue Riply</u> Title: <u>Production Assistant</u>

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.