## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	at:				(	See Instruc	tions on Revo	erse Side	)				
Open Flow				Test Date	Test Date: API No. 15								
Deliverabilty				1-9-1	3				1-20793-0	0-00			
Company Horses		Оре	erating, Inc	<b>.</b>			Lease Sleigh				2-1	Welf Number	
County Greeley			Locati C NE		Section 01			TWP 17S		/W)	Acres Attributed		
Field Bradshaw						Reservoir Winfield				Gas Gathering Connection DCP Midstream			
Completion Date 8/27/04			111.00			Plug Back Total Dept		th		Packer Set at			
Casing Size 4.5			Weigh	t		Internal Diameter 4.052			Perforations 2916-32		To 2936-	To <b>2936-40</b>	
Tubing Size 2,375			Weight 4.70			Internal Diameter		Set at		rations 8-60	То	То	
Type Completion (Description (D				· · · · · · · · · · · · · · · · · · ·		Type Fluid Production		1		Pump Unit or Traveling Plung		/ No	
	g Thru	(An	nulus / Tubine	))		arbon Dioxi	de	•	% Nitrog	jen	Gas Gr	avity - G	
Vertical D	Depth(I	1)			**************************************	Pres	sure Taps				(Meter I	Run) (Prover) Size	
Pressure	Builde	ıp:	Shut in	1-8 2	eo/3 at_	8:00	(AM) (PM)	Taken		9 20	<u>/3 <sub>at</sub> 8',0</u>	O (AM)(PM)	
Well on L							_				at		
	·					OBSERVE	D SURFACE	DATA			Duration of Shut-	in <u>24</u> Hours	
Static / Orlfic Dynamic Size Property (inche		:0	Circle one:  Meter  Prover Pressu  psig (Pm)	Pressure Differential re in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>a</sub> )		Tubing  Wellhead Pressure  (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			,-3(,)				psig	psia 105	psig	psia	24		
Flow		,		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,									
						FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fact F <sub>o</sub>	ior	Flowing femperature Factor F <sub>f1</sub>	Deviation Factor F <sub>pv</sub>		Metered Flow R . (Mcfd)	v GOR (Cubic Fe Barrel)	Gravity	
						İ				·			
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO		ERABILITY) % (P_	CALCUL - 14.4) +		:	(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
(P <sub>c</sub> ) <sup>2</sup> - (F	2 <sub>d</sub> ) <sup>2</sup>	(P	<sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2.  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. of 2. and divide	P.2-P.2	Backpress Slope	sure Curve		LOG	Antilog	Open Flow Defiverability Equals R x Antilog (Mcfd)	
Const Flori				N. C. C.									
Open Flov				Mcfd @ 14.	r "	•	Deliverabil	·	·	<del></del>	Mcfd @ 14.65 psi		
			_	behalf of the		-	•	2	ornake the	pri	and that he ha	s knowledge of, 20 <u></u> , 20 <u></u> .	
			Witness (if	any)	KANSA	RECE S CORPORA	IVED TION COMMISS	SION	will	For	mpany J		
			For Commi	ssion	· · · · · ·	ΔPR 1	1 2013			Che	cked by		

CONSERVATION DIVISION WICHITA, KS

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:
(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: 4-3-13  Signature: Januar 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.