KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Completion (Describe) Type Fluid Production Water Water Pump Unit or Traveling Plunger? Yes / No Yes Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G, (Meter Run) (Proven) Size Resource Taps (Meter Run) (Proven) Size Pressure Buildup: Shut in OBSERVED SURFACE DATA OBSERVED SURFACE SURFACE DATA OBSERVED SURFACE	Type Test:					(See Ins	tructions on Re	verse Side	e)				
Company Comp	Oper	n Flow											
County Location County Location County Location County Location Crecibly C NE Section TWP And (EW) Acres Attributed 640 Reservoir Gas Galabring Connection IDCP MideStream Completion Date Plug Back Install Depth Packer Stat 1.9 Packer Sta	Deliv	erabilty			4-71-/	e:					3 - MMM		
Horseshoe Operating, Inc. County Cou	Company			 		<u>r</u>	Lease			01 1 2010	<u> </u>	Well Number	
Greeley C.NE 9 198 40W 640 Field Reservoir Winfield 1907 M46stream 1907 M46strea	Horsesh	oe Op	erating, I	nc.							1-9	Well MUMBE!	
Reservoir Gas Gathering Connection Single Commettion Special Plant S									W)				
Completion Date Plug Back Total Depth Plug Back Total Pl									Gas Gat	hering Conn	ection		
Property			· .	<u> </u>				·· ·· · · · · · · · · · · · · · · · ·			ım :		
4.5	1/30/76 29				Plug Ba 2939	Plug Back Total Depth 2939				– – – – – – – – – – – – – – – – – –			
Type Completion (Describe) Type Flaib Flow Flow Flow Flow Flow Flow Flow Flow	4.5	Casing Size Weight 4.5 10.5											
Single Gas Water Yes Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G. (Meter Run) (Prover) Sizo (Meter Run) (Prover) Sizo (Meter Run) (Prover) Sizo (AM) (PM) Taken 20	Tubing Size 2.375									Perforations		То	
Annulus Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size 2060 Pressure Buildup: Shut in 4-6 20 at			escribe)	-						it or Traveling	Plunger? Yes	/ No	
Annulus Vertical Depth(H) 2960 Pressure Taps (Meter Run) (Prover) Size 2960 Pressure Buildup: Shut in 4-6 20 at	_	hru (An	nulus / Tubi	ing)	% (Carbon D	ioxide			en .	Gas G	avity - G	
Pressure Buildup: Shut in	Annulus											, ₀	
Companies Comp	Vertical Dep 2960	th(H)		-		P	ressure Taps		 -		(Meter	Run) (Prover) Size	
Companies Comp	Pressure Bu	ildup:	Shut in	4-6	20 // at _	7:45	(AM) (PM)	Taken	4-7	<u>/</u>	11 at 9:4	5 (AM) (PM)	
OBSERVED SURFACE DATA Outstion of Shut-in Alloy Pressure (Inches) Property Property (Inches) Property (Inches) Property (Inches) Property Pressure (Inches) Property (Inches)	Well on Line				(a)		_						
Casing C			,		· · · · · · · · · · · · · · · · · · ·	OBSER	VED SURFACE	DATA	<u> </u>	<u> </u>	Duration of Shut-	in 24 Hours	
Property (Inches) Prover Pressure psig (Pm) Inches H ₂ 0				1 . 1003210	Flowing	Well Hea	ad 1	-		ubing		Liquid Produced	
Flow STREAM ATTRIBUTES Plate Coefficient Coefficie	Dynamic Property (i	(inches) Prover Pre		sure in	1	Temperature	(P_) or (P,) or (P _c)	(P _w) or	or (P _t) or (P _c)			
Flow STREAM ATTRIBUTES Plate Coefficient $(F_{\mathfrak{p}})(F_{\mathfrak{p}})$ Rector Factor Fig. Sector Fig. (Cubic Feet) Fitting Gravity Factor Fig. (Cubic Feet) Fitting Gravity Factor Fig. (Cubic Feet) Fitting Gravity Fitting Gravity Factor Fig. (Cubic Feet) Fitting Gravity Fitti	Shut-In	500						4 . 7	i pang	J JSIZ	24		
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Plate Coefficient (F _a) (F _a) (F _a) (Model or Prover Pressure psia Plate (P _a) ² = (P				 	· 	FLOW S	TREAM ATTRI	BUTES			·- ·	L	
Coefficient (F _b) (F _p) Prover Pressure psia Piace Psia Psia Psia Psia Psia Psia Psia Psia	Plate		Circle one:	Press				T					
Copen Flow Cop					Extension Fact		Temperature	,				ا تمديح ا	
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS (P _a) ² = : (P _w) ² = : (P _e) ² = (P _e) ² = : (P _e) ² =	(F _b) (F _p) Mofd	100		Pmxh								Gravity	
Choose formula Forz P _d			·			-	- 18	- 	-+			- G _m	
Choose formula Forz P _d					(OPEN FLO)W) (DEL	JVERABILITY)	CALCUL	ATIONS				
Choose formula 1 or 2: 1. P _c ² -P _a Choose formula 1 or 2: 1. P _c ² -P _a Choose formula 1 or 2: 1. P _c ² -P _a Choose formula 1 or 2: 1. P _c ² -P _a Choose formula 1 or 2: 1. P _c ² -P _a Choose formula 1 or 2: 1. P _c ² -P _a Choose formula 1 or 2: Choose form	P _c) ² =	<u>:</u>	(P _w) ² :	= <u></u> :	P _d =		_% (P,	, - 14.4) +	14.4 =	:			
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MCIG @ 14.65 psia	<u></u>				 -				_				
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of the above report and that he has knowledge of	The unde	ersianed	authority o				-				<u> </u>		
σ								попива (с	maxe the	above repor	t and that he ha	s knowledge of	
a facts stated therein, and that said report is true and correct. Executed this the	e facts stated	d therein	, and that s	ald report is true	and correct	. Execute	ed this the	<u>~</u> `	day of(june.	/	, 20 //	
Witness (if arry) Witness (if arry) RECEIV		·	Witness ((if any)			-	Ja	nick	Lip.	lly ompany	RECEIV	
For Commission Checked by JUN-1-0	•		For Comm	mission	_		-		···-·	Chect	(/ ked try		

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	ot status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	at the foregoing pressure information and statements contained on this application form are true and
	t to the best of my knowledge and belief based upon available production summaries and lease records
·-	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
1 h	ereby request a one-year exemption from open flow testing for the Clift 1-9
gas we	ell 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
	To not capable of producing at a daily fate in excess of 200 merb
l fu	irther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	s necessary to corroborate this claim for exemption from testing.
Date:	6-8-11
	$\alpha \rightarrow \alpha \rightarrow \alpha$
	Signature: Januce Ripley
	Signature: <u>Janice Ripley</u> Title: Production Assistant
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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.