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

Type Tes	st:						(See Ins	struc	ctions on Re	verse Sid	le)						
Open Flow					~ . ~ .	7.46.											
Deliverabilty					7-/8-/	Test Date: 7-/8-/2					API No. 15 071-20617-00-⊘}						
Compan	noe Op	era	ting, Inc.			_/	<u> </u>		Lease Nickels	 on		1-20017-0	,0-0 )	1 - 1		lumber	
County Location					Section			TWP	TWP		RNG (E/W)			Acres Attributed			
Greeley C NE						4 20\$				39W							
Bradshaw						Reservoir Winfield				Gas Gathering Connection DCP Midstream							
Completion Date 2-16-1994					Plug Bac 2830	ck Total	Dep	oth		Packer Set at None					· · · · · · · · · · · · · · · · · · ·		
Casing 5	Casing Size Weight 4.5 10.5					Diameter		Set at 2830		Perforations 2802			To 2809				
Tubing S	Subing Size Weight			<del></del>	4.052 internal (			Set at		Perforations			To				
2.375 4.7 Type Completion (Describe)					1.995 Type Fluid Production			2820 n		Pump Unit or Traveling Plunger? Ye							
Single - Gas Producing Thru (Annulus / Tubing)					Water					Pump Unit - Rod							
Annulu		,AH	iulus / 100i	irig)		% (	arbon L	JIOXI	ide		% Nitrog	jen		Gas (	Gravity -	G <sub>g</sub>	
Vertical Depth(H)						Pressure Taps Flange							(Mete	r Run) (f	rover) Size		
Pressure	Buildun		Shut in	7	7-17	0/2 at_	9:2		(AM) (PM)	Takon	7-10	P	00/0		20	<u></u>	
Well on L	•		Started	<b>.</b>		0 at			(AM) (PM)		•			_ at		(AM) (PM) (AM) (PM)	
			···							<del></del>						7//	
			Circle one	1.5	Pressure		OBSE	RVE	D SURFACE		· · · · · ·		Du	ration of Shu	ıt-in <u>e</u>	T_Hours	
Static / Orif  Dynamic Siz  Property (inch		ize Prover Press			Differential in	erential Flowing In Temperature		ad ture	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>6</sub> )		Tubing Welthead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	(inche	psig (Pm)		)	Inches H <sub>2</sub> 0	t	t		psig psia		psig	peia	psia		<del> </del>		
Flow	.750		***							96			-	24			
	<del></del>					·	FLOW 5	STR	EAM ATTRI	RUTES			l	<del></del>			
Plate			Circle one:		Press	1			•	1							
Coefficci (F <sub>b</sub> ) (F Mcfd	ient ,)	Meter or Prover Pressure psia			Extension		avity octor		emperature Fa		iation Metered Flow ctor R F <sub>pv</sub> (Mcfd)			GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G <sub>m</sub>	
			· · · · · · · · · · · · · · · · · · ·											1			
						(OPEN FLO	OW) (DE	LIVE	ERABILITY)	CALCUL	ATIONS			(P.	$)^2 = 0.2$	207	
P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup> :		:	P <sub>d</sub> = .		%	6 (P <sub>c</sub>	- 14.4) +	14.4 =	<u></u> :			)2 =		
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	_	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		2	$\begin{array}{llllllllllllllllllllllllllllllllllll$		P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		Backpressure Curve Slope = "n" or Assigned Standard Slope		nxl	og 📗		Antilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
						z **	•										
Open Flow	v	·			Mcfd @ 14.6	55 psia			Deliverabili	ity	·		Mcf	@ 14,65 ps	sia		
									is duly auth		make th	e aboye re	ort a	nd that he h	as know	ledge of	
ie facts st	ated the	rein	, and that s	aid r	eport is true	and correct.	Execut	ted t	this the	<u> </u>	day of	Cou	اير	10.	, <i>2</i>	PECENTA	
Witness (if any)  Witness (if any)  Witness (if any)										RECEIVED							
		<del></del>	For Comn	nissior	<u> </u>			=	***************************************	U		CH	ecked b	y ·	<u>U</u>	CT 1 1 2012	
															KC	C WICHITA	

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	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	atus under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	he foregoing pressure information and statements contained on this application form are true and
	the best of my knowledge and belief based upon available production summaries and lease records
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
	by request a one-year exemption from open flow testing for the Nickelson 1
gas well o	n 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 furthe	er agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as ne	cessary to corroborate this claim for exemption from testing.
Date: _//	<i>-8-12</i>
,	
	Signature: <u>Janice Ripley</u>
	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.