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

Type Test:	low		(5	See Instruct	ions on Reve	erse Side	e)					
Open Flow Deliverabilty				Test Date: 4-3-14				l No. 15 1-20731-00-(				
Company Horseshoe Operating, Inc.				<del>L</del>	Lease Nickelsor	* 1				We	ll Number	
County Location Greeley SW			Section 4	Section 4		TWP 20S		RNG (E/W) 39W		Acres Attributed		
Field Bradshaw		Reservoir Winfield	Reservoir				Gas-Gathering Connection DCP Midstream			· · · · · · · · · · · · · · · · · · ·		
Completion Date 10-10-2000			Plug Back 2917 TD	Total Dept	Packer Set at None		Set at		<del></del>			
Casing Size	•		Internal Di 4.052	Internal Diameter 4.052		Set at 2916		Perforations 2814-19		то 2824-29		
Tubing Size 2.375			Internal Di 2.000	Internal Diameter . 2.000		Set at		Perforations		То		
Type Completion (Describe) Single - Gas			Type Fluid Water	Type Fluid Production Water			Pump Unit or Traveling Plunger Pump Unit - Rod			r? Yes / No		
Producing Thr Annulus	% Ca	% Carbon Dioxide				% Nitrogen			Gas Gravity - G <sub>g</sub>			
Vertical Depth(H)				Pressure Taps Flange						(Meter Run) (Prover) Size 2"		
Pressure Build	fup: Shut in _	4-2	20/4 at 2	3;00	(AM)(PM) T	aken	4-	3_20	14 <sub>at</sub> _	8:00	(AM) (PM)	
Well on Line:			20 at	en	(AM) (PM) T	aken		20	at		(AM) (PM)	
		Na: Bassana	·	OBSERVE	D SURFACE	<del></del>	T		Duration o	of Shut-in_	24 Hours	
Dynamic S	namic Size Meter Differential		Flowing Temperature	Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>c</sub> ) or (P <sub>c</sub> ) psig psia		Duration Liquid (Hours) (Ba		
Shut-In 3	15	•				56.8			24	24		
Flow				<u> </u>					·		·	
	<del></del>	<del>-</del>	. <u>                                    </u>	FLOW STR	EAM ATTRIB	UTES			·· •			
Plate         Circle one:         Press           Coefficient         Meter or         Extension           (F₀) (F₀)         Prover Pressure         ✓ Pտx		1 Facto	Factor		Temperature Fa		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Feet/ Barrel)			
		÷ ;								•		
P <sub>c</sub> ) <sup>2</sup> =	: (P"	)² = :	(OPEN FLO	W) (DELIV!	ERABILITY) (	CALCUL - 14.4) +		:		$(P_a)^2 = (P_d)^2 = 0$	0.207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2:		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		og Ec	Open Flow Deliverability Equals R x Antilog (Mcfd)	
· · · · ·									:		7	
Open Flow	<u> </u>	Mold @ 1	4.65 poio	•	Delivershilit				Motel @ 14	I 65 pois		
<u> </u>	rsigned authority	Mcfd @ 1		ates that he	Deliverabilit		o make th		Mcfd @ 14		nowledge of	
		nt said report is tr	ue and correct.	Executed	this the	3_	day of 📈	Septen	nlel	<u></u>	_ , 20 <u>/4</u> .	
		ess (If any)	· · · · · · · · · · · · · · · · · · ·	<u>`</u>			anice	y Kir	empany (	<u>KANSAS</u>	Received CORPORATION CON	
	For C	ommission		-		<u> </u>	14.75	Chec	ked by		OCT 0 2 201	

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 Nickelson 2
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:
Signature:

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.

<sup>2</sup>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.

Received

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