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

Type Test	::	•		(S	See Instruct	ions on Re	verse Side	)			,	
Open Flow								API	No: 15			
	liverabilty	**		<u>4-3-/</u>	4	15-071-20185 <b>- 0000</b>						
Company Horses	, hoe Op	erating, Inc	<b>c</b> .	-		Lease Monro	е	,		1-4	Well Number	
County Location Greeley SE NE SE				Section 4				RNG (E/W) 40W			Acres Attributed 640	
Field				Reservoir		Ga		Gas Gat	hering Conn	ection	0-10	
Bradshaw Completion Date				Chase Plug Back Total Depth		DCP Midstrea			1			
2/80			2970		None							
Casing Size Weight 4.5 10.5			Internal Diameter 4.052		Set at <b>3024</b>		Perforations 2924		то <b>2958</b>	то <b>295</b> 8		
Tubing Size Weight 2.375 4.7			Internal Diameter		Set at <b>2960</b>		Perfo	Perforations To				
Type Completion (Describe)				Production			nit or Traveling	Plunger? Yes	/ No			
Single Gas Water Yes  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity								ravity - G				
Annulus	· 					·	·				· · · · · · · · · · · · · · · · · · ·	
Vertical Depth(H) 3024					Pressure Taps Flange					(Meter Run) (Prover) Size		
Pressure I	Buildup:	Shut in	4-2 2	0/4 at 2	8:00		Taken	4-	320	14 at 8.0	O (ÂN) (PM)	
Well on Li	ne:	Started	20	) at		(AM) (PM)	Taken	<u></u>	20	at	(AM) (PM)	
1112	Best State	442			OBSERVE	N CUREAC	E DATA	**-		Durahlar of Ohio	24	
Static /	Orifice	Circle one:	Pressure		Well Head	Cas	sing	1	Tubing	Duration of Shut	<u> </u>	
Dynamic Size Meter Differe Property (inches) Prover Pressure in		1	Temperature Temperature		Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		1	ad Pressure r (P <sub>c</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Duration Liquid Produced (Hours) (Barrels)		
Shut-In	625	psig (Pm)	Inches H <sub>2</sub> 0			psig	psia 69.5	psig	psia	24	<del></del>	
Flow	,00)	<u></u>					01.0			~ ~ / ·	<del> </del>	
		<u> </u>		<u>_</u>	FLOW STR	EAM ATTR	IBUTES	1	<u>l</u>		_ <del></del>	
Plate		Circle one:	Press	Gravity		Flowing Deviation		lation	Metered Flov	w GOR	Flowing	
Coeffiecie		Meter or rover Pressure	Extension  P_x h	Factor F <sub>a</sub>	r T	Factor		ctor	R (Mcfd)	(Cubic Fe	Gravity	
Mcfd		psia				F <sub>ii</sub>	<del>   </del>	p <b>v</b>			G <sub>m</sub>	
·								4510110	·			
(P <sub>c</sub> )² =	:	(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FLOY	W) (DELIVE		'}		· ':	(P <sub>s</sub> ) (P <sub>d</sub> )	) <sup>2</sup> = 0.207 ) <sup>2</sup> =	
			Choose formula 1 or 2:	LOG of	- 7	Backpre	essure Curve				Open Flow	
(P <sub>c</sub> ) <sup>2</sup> - (P or (P <sub>c</sub> ) <sup>2</sup> - (P	·	$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$		formula 1. or 2.		Slope = "n"		n x LOG		Antilog	Deliverability Equals R x Antilog	
(F <sub>6</sub> ) (F	۵)-	divided by: P		l and divide   D 2 D		Assigned Standard Slope					(Mcfd)	
	·			ļ		ļ · · -			<u></u>			
				<u> </u> -	<u> </u>	<u>.</u>						
Open Flow Mcfd @ 14.65 psia			•	Deliverability			Mcfd @ 14.65 psia					
The u	ndersigne	ed authority, on	behalf of the	Company, sta	ates that he	is duly a	uthorized t	o make t	he/above gepo	ort and that he ha	as knowledge of	
he facts sta	ated there	ein, and that sa	id report is true	and correct.	Executed	this the		day of	seplen	nuer	, 20 <u>/4</u> .	
<u>.</u>		<u> </u>					(	ani	ce K	pley		
		Witness (If	any)	· · · · · · · · · · · · · · · · · · ·			//	1	Bor	Ampany (KAN	Received ISAS CORPORATION CO	
		For Commi	ssion			-			Che	cked by	COLL OPATION CE	

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<b>:(40</b> -											
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 inforcorrect to the best of my knowledge a of equipment installation and/or upon I hereby request a one-year exemption.	rmation and statements contained on this application form are true and and belief based upon available production summaries and lease records type of completion or upon use being made of the gas well herein named.  Seption from open flow testing for the Monroe 1-4										
is on vacuum at the is not capable of p	ane producer  er lift due to water  ral gas for injection into an oil reservoir undergoing ER  e present time; KCC approval Docket No  roducing at a daily rate in excess of 250 mcf/D  st of my ability any and all supporting documents deemed by Commission										
Date: <u>9-3-/4</u>	Signature: <u>Janice Ripley</u> Title: <u>Production</u> 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.

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