RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Ins	structi	ions on Re	verse Sic	te)					
Open Flow						. Test Date	Test Date: ,					l No. 15				
De	liverabi	ilty				4-3-/	4					1-20796-00	0-00			
Company Horses		Эре	rating, In	C.					Lease Clift A				3-33	Well N	umber	
County Location Greeley C NE						Section 33			TWP 18\$	RNG (E/W) 40W		/W)		Acres	Attributed	
Field // Bradshaw					Reservoir Winfield					Gas Ga						
Completion Date 9/29/04					Plug Back Total Dep 2904											
Casing Size W				nt		Internal Diameter 4.052		Set at 2912			orations 9-83	то 2887-91 [°]				
Tubing Si	ize		Weigh	nt		Internal Diameter 2.000			Set at 2870		Perforations		То			
Type Completion (Describe) Single					Type Fluid Product Water				Pump Unit or Traveling !			Plunger? Yes / No				
Producing Thru (Annulus / Tubing)					% C	% Carbon Dioxide			9 % Nitrog		gen Gas G		iravity - G _g			
Vertical D	epth(H)	·					Press	sure Taps	_			(Meter	Run) (F	Prover) Size	
Pressure	Buildu): :	Shut in	4	-2 ₂	0/4 at_	8:0	0	(AM)(PM)	Taken_	4	<u>ී</u> 20	<u>14 at 81</u>	00	(PM)	
Well on L	ine:	;	Started		2	0 at			(AM) (PM)	Taken_		20	at		(AM) (PM)	
					•	•	OBSE	RVE	D SURFAC	E DATA			Duration of Shut	-in	24 Hours	
Static / Dynamic Property	Orific Size (inche	· •	Circle ona: Meter Prover Pressure psig (Pm)		Pressure Differential In Inches H ₂ 0	rerential Flowing Temperature		ead ature	Cesing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			100						psig .	78		psia	24			
Flow																
				•			FLOW	STR	EAM ATTR	RIBUTES	•	•				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m xh	Fact	Gravity Factor F ₀		Flowing emperature Factor F _{ft}	_	eviation Factor F _{ov}	Metered Flow R (Mcfd)	v GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m	
				<u> </u>		(OPEN FLO		EL IVE		O CALCII	II ATIONS	<u> </u>			<u></u>	
(P _c) ² =		_;	(P _w) ² =		:	P _d =		%		-	+ 14.4 =	:) ² = 0.) ² =	207 	
$(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1, or 2, and divide	formula 1, or 2, and divide p 2 _ p		Backpress Slope			rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
								_								
Open Flor	<u> </u> w				Mcfd @ 14.	65 psia	• '	_	Deliverat	bility			Mcfd @ 14.65 ps	 sia		
The	ındersi	oner	Lauthority' o				tates th	at he	e vluh ei-	uthorized	to make t	ihe akove reno	nt and that he h	as kno	wiedae of	
			n, and that s						-	15	_ day of _	Apri			20 14.	
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			Wilness (ır atrı)	0					l	7	roff	Company (/	KCC	WICH	
			For Comm	rissio	n .	·		_	•			Che	cked by	APR	7 7 201	

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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 theClift A 3-33
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-/5-/4
Signature: <u>Janual Ripley</u> Title: <u>Production Assistant</u>

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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