KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Pressure Buildup: Shut in 5-21 20 3 at ///36 (PM) Taken 5-22 20 3 at ///36 (PM) (PM) Taken 20 at (AM) (PM) Tak	Type Test	t:				ı	(See Instru	ctions on Re	verse Side	a)		-		
Universalistic Univ						Jest Date	e: . ~			API	No. 15			
Horseshop Operating, Inc. Country Country Country Country Cose 34 Acres Attributed Greeley C SE 34 Acres Attributed AVW Acres Attributed Completion Date Reservoir Completion Date Reference Reference Reservoir Completion Date Reference Referen			ilty			5-22	-/3					0		
Greeley C.S.E. 34 18S 40W Proprietion Date Plag Back Total Depth			erating,	Inc.										
Completion Date DCP Midstream DCP Midstream												Acres Attributed		
Asing Size Weight Internal Diameter Set at 1.600 4.000 2914 2881; 2882-2890 Using Size Weight Internal Diameter Set at 2.38"; 2882-2890 Using Size Weight Internal Diameter Set at 2.88"; 2882-2890 Using Size 4.700 1.995 2897 Perforations To 3.38" 4.700 1.995 2897 Perforations To 3.38" 4.700 1.995 Publisher Perforations To 3.38" 4.700 1.995 Publisher Perforations To 3.38" Author Pump Unit or Traveling Plunger? Yes / No Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity - G. Pump Unit - Rod Pump Unit		w						***				ection		
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the glove (Media) Internal Diameter Set at Perforations To 2881: 2882-2890 Internal Diameter Set at Perforations To 2897 Internal Diameter Set at Perforations To 2897 Pump Unit - Rod Pump	•													
Pressure Buildup: Shut in Started 20 at (AM) (PM) Taken 20 at (AM) (PM)							Diameter			Perforations				
ingle - Gas Water Pump Unit - Rod Gas Gravity - G, Water Pump Unit - Rod Gas Gravity - G, Water Pressure Trou (Annulus / Tubing) Acting British Pressure Taps Flange Pressure Taps (Meter Run) (Prover) Size Flange Tressure Buildup: Shut in 5-21 2013 at ///36 (MM) (PM) Taken 5-22 2013 at ///36 (MM) (PM) Gell on Line: Started Observed Started Observed Surface DATA Observed Pressure (P,) or (P,											ations	То		
artical Depth(H) Pressure Taps Flange 2" Pressure Buildup: Shut in 5-21 20 3 at // 36 (AM) (PM) Taken 5-22 20 3 at // 36 (AM) (PM) ell on Line: Started 20 at (AM) (PM) Taken 20 at (AM) (PM) Total Control one: Mater Meter Meter Size Operity (Inches) Prover Pressure Differential Temperature Prover Pressure Differential Temperature Prover Pressure Pressure Pressure Prover Pressure Prover Pressure Prover Pressure	Single - Gas					Water			Pump Unit - Rod			_		
Flange Flange Pressure Buildup: Shut in 5-21 20 3 at ///36 (AM) (PM) Taken 5-22 20/3 at ///36 (AM) (PM) Taken 20 at ///36 (AM) (PM) (PM) Taken 20 at ///36 (AM) (PM) (PM) Taken 20 at ///36 (AM) (PM) Taken 20 at ///36 (AM) (PM) (PM) Taken 20 at //36 (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P	asing			/ Tubing	J)	% C	Carbon Diox	ride	-	% Nitroge	en	Gas G	ravity - G _g	
OBSERVED SURFACE DATA OUTsition of Shut-in 24 Ho Casing Well Head (Casing Wellhead Pressure (Inches) Prover Prossure paig (Pm) Inches H,0 Inches H	/ertical Depth(H)					•				-				
Continue						0/3 _{at} ///36 (AM) (PM) Taken							_	
Static / Orifice ynamic (inches) Pressure paig (Pm) Passure paig (Pm) Pressure Prover Pressure Pressure Prover Pressure Prover Pressure Press	/ell on Li	ine:	Starte	d	2	0at		. (AM) (PM)	Taken	·	20	at	(AM) (PM)	
Continue		_					OBSERVE	ED SURFACE	DATA			Duration of Shut	-in <u>24</u> Hours	
FLOW STREAM ATTRIBUTES Plate Confidence one: Motor or Prover Pressure psia CP = : (P _w) ² = : (P _w) ² = : (P _c) ² - (P _c) ² : P _c ² - P _c ² :	ynamic	Size	e S) Prove	Meter er Pressu	Differential in	Temperature	Temperature	Wellhead to (P _w) or (P	Wellhead Pressure (P _w) or (P _i) or (P _c)		d Pressure (P ₁) or (P _c)		Liquid Produced (Barrels)	
FLOW STREAM ATTRIBUTES Plate Coefficient (F _b)(F _n) Meter or Prover Pressure psia (P _m) ² = (P _m) ² (P _m	Shut-In			,						berg	psia	24		
Plate Coefficient Meter or Prover Pressure psia Practor Factor Factor Fin Prover Prossure psia Prover Prover Prossure psia Prover Prover Prossure psia Prover Prover Prover Prossure psia Prover Prove	Flow								,					
Coefficient (F _p) (F _p) (F _p) (P _p) (Cubic Feet) (Cub							FLOW STE	REAM ATTR	BUTES					
P _c) ² = : (P _w) ² = : P _d = % (P _c - 14.4) + 14.4 = : (P _d) ² = (Coeffiecie (F _b) (F _p		Meter or Prover Pressure		Extension	Fact	or .	Temperature Factor	Factor		R	(Cubic Fe	est/ Fluid Gravity	
P _c) ² = : (P _w) ² = : P _d = % (P _c - 14.4) + 14.4 = : (P _d) ² =	-w		· · · · · · · · · · · · · · · · · · ·		<u></u>									
P _c) ² - (P _m) ² (P _c))2 =		<u>:</u>	(P _w)² ≂_	<u>:</u>	•		•			:			
en Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of acts stated therein, and that said report is true and correct. Executed this the	4-		$(P_c)^2 - (P_w)^2$		1. P _c ² -P _a ² 2. P _c ² -P _c ²	P _c ² P ₂ LOG of formula 1. or 2.		Slope = "n" or 2		n x L(og 📗	Antilog	Deliverability Equals R x Antilog	
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of lacts stated therein, and that said report is true and correct. Executed this the	••											·		
facts stated therein, and that said report is true and correct. Executed this the	en Flow				Mcfd @ 14.6	5 psia		Deliverabil	ity			1cfd @ 14.65 psi	ia	
	The un	ndersigr	ned autho	rity, on	behalf of the (Company, st	ates that he	e is duly aut	horized to	make the	above report	and that he ha	s knowledge of	
\wedge . (1 /) \cdot (1).	acts sta	ted the	rein, and	that said	l report is true	and correct.	Executed	this the/	18 .	lay of	June	_	, 20 /3	
(Janua Kially Koc Mic									\bigcap	anin	l Ri	olein	VCC MICH	
Witness (If any) Witness (If any) Witness (If any)			W	fitness (If a	ny)				1		For C	mpany	NUU VVIUH	
For Commission			F	or Commiss	lon	,		•	-		Checke	ed by	JUN 2 0 201	

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 Clift B 3-34
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: 6-18-13
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.