KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Reservoir L. Winfield; U. Ft. Riley Gas Gathering Connection DCP Midstream DCP Midst	Type Tes	t:					(Sae Instru	uctions on Re	verse Side,)				
Section Lease Le	Or	en Flow				To at 5 at				ADLA	ta 15			
Company Horseshoe Operating, Inc. Lee 1 Well Number Horseshoe Operating, Inc. County Cost 2 County Cost Read Reservoir ELA File File File File File File File File	De	eliverabil	y			- p=	12			15-0	71-20150	00-00-0		
Greeley C SE 27 17S 40W 640 BradShaw			perating,	Inc.			· -	_					Nell Nu	ımber
Bradshaw L. Winfield; U. Ft. Riley DCP Midstream Completion Date 1/78 3023 Packer Set at None 1/78 3023 Packer Set at None 10.5 4.04 4.5 10.5 4.04 4.5 10.5 4.04 4.5 3023 2861 Thomps Size Weight Internal Diameter Set at 10.5 4.7 1.995 2975 1995 2975 1995 2975 1996 Production Proposition (Describe) Type Fluid Production Yes Production Type Completion (Describe) Type Fluid Production Yes Production (Thru (Annulus / Tubbrig) Set Carbon Dioxide The Uniternal Proposition Vertical Explicit() Pressure Taps (Meter Run) (Proven) Size 3042 Pressure Buildup: Shut in 20 at	County Location						-							
August Carbon State Weight Internal Diameter Set at Perforations To 2961	Field Bradsh	aw						Ft. Riley			_			
4.5 10.5 4.04 30.30 2923 2961 Tribing Size Weight A,7 1.995 Type Fluid Production Type F	Completic 1/78	on Date					k Total De	epth			t at			
Type Completion (Describe) Type Fluid Production Water Type Fluid Production Water Type Fluid Production Water Type Fluid Production Water Type Fluid Production Yes Well on Line: Started Oottice Started Oo						Diameter								
Single Gas Water Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogan Gas Gravity - C, Annulus Vertical Depth(H) Pressure Taps (Meter Run) (Prover) Size 3042 Pressure Buildup: Shut in 5 20 2 at 3.45 (AM) (PM) Wall on Line: Stand 20 at						Diameter				Perforations		То		
Annulus Vertical Depth(H) Pressure Buildup: Shut in 5 20 2 at 3.45 (M) (PM) Well on Line: Started 20 at			(Describe)					ion			or Traveling	Plunger? Yes / No		
Pressure Buildup: Shut in	_		Annulus / Tul	oing)	· • • • • • • • • • • • • • • • • • • •	% C	Carbon Dio	xide		% Nitroger	1	Gas Gra	ivity - C	9
Continue	Vertical D 3042	epth(H)	<u>, </u>			· · · - · -	Pre	essure Taps				(Meter R	lun) (Pi	rover) Size
Static / Orffice Size	Pressure	Buildup:	Shut In	/	1-5 2	0/2 at 2	8:45	_ (AM)(PM)	Taken]-(2 20	12 at 8:4	5	AM) (PM)
State / Orffice Size Prover Prassure plain (Inches) Free Prover Prassure plain (Pm) Pm Pm Pm Pm Pm Pm Pm	Well on Line: Started 20) at		_ (AM) (PM)	(AM) (PM) Taken		20	at	at (AM) (F	
Comment Comm							OBSERV	ED SURFAC	E DATA			Duration of Shut-i	n	R4 Hours
Shut-In 1/25 Flow Page (Pm) Inches H ₂ U Page Pag	Dynamic	Size	Mete Prover Pre	r ssur a	Differential in	Temperature	Temperatur	Wellhead	Pressure	Wellhead	Pressure	l I i		
Flow STREAM ATTRIBUTES Plate Coefficient Moter or Prover Pressure pala Pressure pala Pressure pala Pressure Pr		1.24	psig (P	m)	Inches H ₂ 0			psig		balg	psia	24		
Plate Coefficient Motor or Prover Pressure Factor Fig. Press Extension Factor Fig. Press Factor Fig. Prover Pressure Factor Fig. Prover Prover Pressure Find Gravity G	Flow	IIAS						<u> </u>	<u> </u>				<u> </u>	
Plate Coefficient Motor or Prover Pressure Factor Fig. Press Extension Factor Fig. Press Factor Fig. Prover Pressure Factor Fig. Prover Prover Pressure Find Gravity G	L						FLOW ST	REAM ATTR	IBUTES	l	<u> </u>		1	
P _e) ² = : (P _w) ² = : P _d = % (P _e - 14.4) + 14.4 = : (P _d) ² =	Coeffiecie (F _b) (F _p	ent	Meter or Prover Pressure		Extension Fact		rity	Flowing Temperature Factor	Flowing Devia imperature Fact Factor F		R	(Cubic Fee	et/	Fluid Gravity
P _e) ² = : (P _w) ² = : P _d = % (P _e - 14.4) + 14.4 = : (P _d) ² =														
Checked by Choose formula 1 or 2: 1. P _c ² - P _c ² 1. P _c ² - P _c ² 2. P _c ² - P _c ² children day: P _c ² - P _c ²	(P _e)² =		: (P_)	² =	;	-	OW) (DELI		-		:			07
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 the facts stated therein, and that said report is true and correct. Executed this the	(P _c) ² - (P or (P _c) ² - (P	,") ₅	(P _e) ² -(P _w) ² 1. P _e ² - 2. P _e ² -		1. P _c ² -P _c ² 2. P _c ² -P _d ²	LOG of formula 1. or 2. and divide p 2. p 2		Slope = "n" or Assigned		n x LOG			Op Dell Equals	verability 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 the facts stated therein, and that said report is true and correct. Executed this the	····					<u> </u>		_						
re facts stated therein, and that said report is true and correct. Executed this the 26 day of March , 20 12. Writness (if arry) For Commission Checked by	Open Flow	v		1	Mcfd @ 14.6	35 psia		Deliverab	oility			Mcfd @ 14.65 psi	a	
Witness (if arry) Por Commission Checked by RECEIVE MAR 2 8 2		_	•						51	make the	· -	ort and that he has	s know!	ledge of
For Commission Checked by	ile lacts st	aled (ne	rein, and that	said	report is true	and correct	i. Execute	a this the		(1/M / 1 ⁻ 1/1		pley	, ²	RECEIVE
			Witnes	s (if any	n	<u> </u>		, <u>-</u>	7	w iw	For	CImpany	A	MR 2 8 2
* * * * * * * * * * * * * * * * * * *			For Co	mmissio	on .			-			Che	cked by		

l declare und	der penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status un	der Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
and that the fore	going pressure information and statements contained on this application form are true and
correct to the bes	st of my knowledge and belief based upon available production summaries and lease records
of equipment inst	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the Lee 1
gas well on the g	rounds that said well:
(Check	
	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.
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessar	y to corroborate this claim for exemption from testing.
Date: 3-26-	- 12
Date:	
	Signature: Anice Ripley- 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.