KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Deliverably	ype Test:				(S	ee Instructio	ns on Revers	e Side)	15	5-075	-206	46.0	20-00	
Deliversety Bulleton Losate Livingston Losate Livingston Livingston Losate Livingston Livi		Flow			Test Date:				APH) . 18= >				
meany cassacked operating, Inc. Livingston Losses Livingston Typ RNG (EW) Acres Attributed Acre	Delive	erabilty			8/6/1	0			075-7	0150 00-8()		foll Numb	or.	
Pressure Buildup: Short in \$\frac{1}{2}\$ \$20 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	ompany		1-0		, ,					نسر . د		()		
The control of the		Operatii		:	Section)	A	cres Attr	buted	
Addishaw Winfield DCP Mild stream addishaw winfield Plug Back Total Depth Packer Set at Potential Stream St	Journey			16		23\$				ion				
## Static Orifice Stated 20 at	ield Bradshaw		. 1 . w . w w	Winfield				DCP Midstream						
Sisted From the first stated therein, and that said report is true and correct. Executed this tine. Copposition Part		Date				Total Depth			Packer Ser	. a.				
State Very V	/25/76 Casing Size			м <u></u>	Internal Diameter						То			
Space Spac	.5"								•		То			
yya Carbon Dioxide Sumpting Cass Water Pump Unit - Rod	2-3/8"											ger? Yes / No		
ressure Buildup: Shut in Started 20 at S.D. (AN) (PM) Taken 20 at	ype Completion (Describe)			Water					Pump Unit - Rod					
Pressure Buildup: Shut in 8 5 20 0 at 8 0 0 (AM) (PM) Taken 20 at (AM) (PM) (PM) Taken 20 at (AM) (PM) (PM) (PM) (PM) (PM) (PM) (PM) (P		Thru (Ann	ulus / Tubing)		% C	arbon Dioxid	е		% Milloger	I' '	545 th			
ressure Buildup: Shut in \$\begin{align*}{cccccccccccccccccccccccccccccccccccc	Annulus Vertical De	pth(H)							,	.,		tun) (Prov	ver) Size	
Very Continue Starled 20 at			0	15	10 \$		(A) (310) F		816	20/1) at 8:0	D (AI	(PM)	
OBSERVED SURFACE DATA OBSERVED SURFACE DATA OBSERVED SURFACE DATA Observed Data Casing Tubing Weilhead Pressure (P,) or (P,)	Pressure E	Buildup:	Shut in						•					
State / Orifice Citede con: Pressure Differential in Size Proyect Pressure Differential in	Well on Lir	ne:	Started	20) at		(AM) (PM) Ta	aken			aı			
Static / Oraffice Size Mater Pressure Properly (Inches) Shut-In \$500 S						OBSERVE	SURFACE I	DATA			ouration of Shut-i	n 2	Hours	
Shut-In , 500 Thomas H ₂ 0 The second of the state of	Static /		Meter	Differential	3		Wellhead Pressure		Wellhead Pressure					
Flow STREAM ATTRIBUTES Flowing Flowing Factor Factor Fig. Press Factor Fig. Press Factor Fig. Press Factor Fig. Press Factor Fig. Prover Pressure pala Press Factor Fig. Press Fact	Property			3	t	t	psig psia							
Flow STREAM ATTRIBUTES Plate Coefficient (F _s) (F _s) Meter or Prover Pressure psila (P _s) (F _s) (F _s) (P _s)	Shut-In	500					1	64			24_	ļ		
Flow STREAM ATTRIBUTES Plate Coefficient Meter or Prover Pressure pisia Plate (Cubic Feet) Pisia Pressure Prover Pressure Prover Pressure pisia Prover Pisia Prover Pressure Pisia Prover		<u></u>										<u> </u>		
Plate Coefficient Coefficient Coefficient Coefficient Coefficient (F ₂) (F ₂) (F ₃)					<u> </u>	FLOW STR	EAM ATTRIB	UTES						
(P _c) ² =	Coeffieci (F _b) (F	ient p) Pr	Meter or over Pressure	Extension	Fac	tor	Temperature Factor		actor	R	(Cubic Fe	T I	Fluid Gravity	
(P _c) ² =								<u> </u>						
Open Flow	L				•					:			7	
Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia Deliverability 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 peport and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the Witness (if any) Checked by Or 1 4	(P _c) ² =	:		hoose formula 1 or	2:	<u> </u>				Г٦		,		
Open 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 the facts stated therein, and that said report is true and correct. Executed this the Witness (if any) Checked by OCT 1 4	(P _a) ² - ((P _a) ²	(P _c) ² - (P _w) ²		formula			or	nxl	.og	Antilog			
Open 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 peport and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the Witness (if any) Checked by OCT 1 4	(P _c) ² - ((P _d) ²			and divide	P _c ² -P _w ²						(1	Vicfd)	
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the facts stated therein, and that said report is true and correct. Executed this the	Open Flo	undersign	ed authority, or			states that			to make th	ne above r jepo	rt and that he h		edge of	
Witness (if any) Checked by OCT 14								<u> </u>	•	iciolil		, 2	0 10	
Checked by OFT 1 4			Witness (i	f any)			_	4	anicl	For C	Company	F	RECEIVE	
										Che	cked by	<u> </u>	CT 14 2	

	to enterprise the control of the con
	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	pt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.
	nat the foregoing pressure information and statements contained on this application form are true and
	ct to the best of my knowledge and belief based upon available production summaries and lease records
	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
	nereby request a one-year exemption from open flow testing for the Livingston 1A
gas w	ell 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
	The second section of the section o
4 f	urther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	s necessary to corroborate this claim for exemption from testing.
Data:	10/11/10
Date	
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	Signature: Ance 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.