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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Company Linn Oper County Hamilton Field Bradshaw Completion 11/18/60 Casing Size 4.5 Tubing Size	/ n Date		on	Test Date 12/04/13		Lease			No. 15 075-00026-0	00-00		
Company Linn Oper County Hamilton Field Bradshaw Completion 11/18/60 Casing Size 4.5	rating li	nc Locati	on	12/04/13		Lease				00-00		
Linn Oper County Hamilton Field Bradshaw Completion 11/18/60 Casing Size 4.5	/ n Date	Locati	on	Section		Lease						
Hamilton Field Bradshaw Completion 11/18/60 Casing Size 4.5 Tubing Size	Date		on	Section		HCU				. 3331	Well Number	
Bradshaw Completion 11/18/60 Casing Size 4.5 Tubing Size	Date	·	•	Section 33		TWP 23S			W)	Acres Attributed 640		∍d
11/18/60 Casing Size 4.5 Tubing Size			•		Reservoir Winfield			Gas Gathering Conn Oneok Field Service				
4.5 Tubing Size	e	ompletion Date 1/18/60		Plug Back Total Deptil 2327		th	Packer Set at		et at			
	g Size Weight 9.5		Internal Diameter 4.090"		Set at 2327'		Perforations 2306'		то '2310			
1.25	Size Weight 1.7		Internal Diameter 1.049"		Set at 2322'		Perforations		То			
Type Completion (Describe)			Type Fluid Production Gas - Water				Pump Unit or Traveling Plunger? Yes / No Pump Yes					
Producing Thru (Annulus / Tubing) Annulus			% Carbon Dioxide			% Nitrog	en	Gas G .830	Gas Gravity - G _g .830			
Vertical De	pth(H)					sure Taps					Run) (Prover)	Size
2308		21 12/0	03	13 1	Flan 1·∩0 AM		11	2/04	20	2.067	ΔΜ	
Pressure B	•		20								(Alvi) (F	• •
Well on Lin	ne: 	Started	2(at		(AM) (PM)	laken		20	at	(AM) (P	M)
					OBSERVE	D SURFAC	E DATA	Τ . ,		Duration of Shut	-in1	Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature. .t	emperature Temperature		Casing Wellhead.Pressure (P _w) or (P _t) or (P _c)		Tubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produ (Barrels)	
Shut-In		paig (t iii)	mones ri ₂ 0			psig 14	28.4	Pump	psia	24		
Flow				-								
•					FLOW ST	REAM ATTR	RIBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia	eter or Extension		Gravity Factor F _g		Flowing Dev Femperature Fa Factor F		Metered Flov R (Mcfd)	v GOR (Cubic Fo	eet/ Flu	id vity
(P _c) ² =	:	(P _w) ² =	·	(OPEN FLO		/ERABILITY % (I	/) CALCUL P _c - 14.4) +		:) ² = 0.207) ² =	
(P _c) ² - (P _a or (P _c) ² - (P _d		(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 by:	P _c ² - P _w ²	Slo As	essure Curve pe = "n" - or ssigned dard Slope	n v l	LOG	Antilog	Open Flow Deliverabil Equals R x Ai (Mcfd)	ity
-												
Open Flow			Mcfd @ 14.6	55 psia		Deliveral	bility			Mcfd @ 14.65 ps	ia	
·		ed authority o			states that I			o make th		rt and that he ha		of
	-	·	aid report is true						ecember	re and that he hi	, ₂₀ <u>13</u>	
io iuoto ota	ALOG IIIGI	on, and mat se	and report to true	and conec	Executed		M	\(\alpha\)	- 41	1	, 20	<u> </u>
		Witness (i	f any)		·		XII	ww	- 47 For C	Company	CC WI	CH
		For Comm				_			. 31 0		DEC 13	

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.
_	oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records
	allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the HCU 3331
	ounds that said well:
	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/	
	Signature: Maun Hruur Title: Regulatory Compliance Advisor

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.

KCC WICHITA

DEC 13 2013

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