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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:					(See Ins	structi	ions on Re	verse Side	e) .		•					
Ope	en Flov	v				Took Det						No. 45						
✓ Deliverability						Test Date 12/04/13				API No. 15 15-075-10063-00								
Company Linn Operating Inc									Lease HCU			,			Well Number 1731			
			Loca Loca			Section 17			TWP 23S		RNG (E/W)			Acres Attrib		Attributed		
Field			•	Reservoir					Gas Gathering Connectio					·				
Bradshaw				:	•	Winfield Plug Back Total Dept			<u>.</u>		Oneok Field Services		es			·		
Completion Date 11/25//63					2532'	k Total	Depti	1		Packer Set at			•					
Casing Si 4.5	•			ht	•	Internal Diameter 4:090		r	Set at 2532'		Perforations 2510'			то 2515'				
Tubing Si				ht		Internal Diameter 1.995		er	Set at		Perforations			То				
Type Completion (Describe) Single Gas					Type Fluid Production Gas - Water					Pump Unit or Traveling Plump			Plunger? Yes / No Yes					
Producing Thru (Annulus / Tubing)							% Carbon Dioxide				% Nitrogen			Gas Gravity - G _q				
Annulus									÷			•		.802				
Vertical Depth(H) 2512'							Pressure Taps Flange									(Meter Run) (Prover) Size 2.067"		
	Buildur		Shut in 12	/03	2	0 13 at 1				Taken_12	2/04	20	13 a	11:00		(AM) (PM)		
Well on Li	ine:		Started		2	0 at			(AM) (PM)	Taken	, -	20	a	ıt		(AM) (PM)		
						:	OBSE	RVE	D SURFAC	E DATA	<u>.</u> .	•	Durati	on of Shut	-in 24	`Hours		
Static / Dynamic	Orific Size	ze Prover Pres		, ure	Pressure Differential in	Flowing Well He Temperature Tempera		lead Casing		Pressure	Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		D	Duration (Hours)		Liquid Produced (Barrels)		
Property Shut-In			es) psig (Pm)		Inches H ₂ 0	, t , t		psig		psia 68.4	psig	psia						
Flow									54	00.4	Pump		24					
LIOW			i		·		FI OW	CTD	CAM ATTO	IDUTEO	<u> </u>	1			<u> </u>			
			Circle one:	Т			FLOW	SIRI	EAM ATTR	IBUIES						Ι		
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia			Press Extension P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{ft}		Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m		
										,								
P _c) ² =			(P _w) ² :	_	• •	(OPEN FLO	OW) (D	ELIVE) CALCUL 2 _c - 14.4) +) ² = 0.2	207		
· c/		<u> </u>			ose formula 1 or 2					ssure Curve				(, q,	Τ			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(P _c) ² - (P _w) ²		•	1. P _c ² -P _a ² 2. P _c ² -P _c ²	LOG of formula 1. or 2. and divide		Slope = or Assign		pe = "n" - or signed ·	n x L	og	A	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
				divid	ded by: $P_c^2 - P_w^2$	by:	<u> </u>		Stand	ard Slope					-	(mora)		
Open Flov	N		· · · · · · · · · · · · · · · · · · ·		Mcfd @ 14.	65 psia			Deliverab	ility			Mcfd @	3 14.65 ps	ia			
The u	ındersi	gnec	d authority, o	n b	ehalf of the	Company, s	tates th	nat he	e is duly au			e above repo	rt and	that he ha	as know	ledge of		
ne facts st	ated th	erei	n, and that s	aid	report is true	and correct	t. Exec	uted t	this the 51	th	day of De	ecember		•		20 13		
				r:4				<u>.</u>	_	D.	han	m#	ili	WA	100	WICH		
	•		Witness	it any	y)		•					For	Company			> AAICH		
			For Com	nissio	on .					t		Che	cked by			13 20		

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, Inc.	st —
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 record 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 HCU 1731 gas well on the grounds that said well:	ls
(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.	sion
staff as necessary to corroborate this claim for exemption from testing. Date: 12/5/13	
Signature: Man Hreart 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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