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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruc	tions on Re	verse Side)						
	en Flow liverabili				Test Date 12/04/13			,	API N 15-07	lo. 15 75-20723-(00-00		•	,	
Company Linn Ope		Inc		•			Lease HCU					3221-E	Well Nur	nber	
County Hamilton	1		Location NW SE SE		Section 32		TWP 22S		RNG (E/W) 41W		Acres Attributed 640				
Field Bradsha				Reservoir Chase	r			Gas Gathering Conne Oneok Field Service							
Completion 9/13/00	on Date				Plug Bac 2849'	k Total Dep	th		Packer Se	t at					
Casing Size 4.5"			Weight 10.5		Internal Diameter 4.052		Set at 2895'		Perforations 2580'		то 2678'				
Tubing Size 2 3/8"			Weight 4.7		Internal Diameter 1.995		Set at 2742'		Perforations		То				
Type Con Single ((Describe)			Type Flui Gas - \	d Production Water	n		Pump Unit Pump	or Traveling	Plunger?	Yes Yes	/ No s		
Producing		Annulus / Tu	bing)		% C	Carbon Dioxi	ide		% Nitroger	1		Gas Gra	avity - G	9	
Vertical D	epth(H)					Pres Flan	sure Taps ge					(Meter F		over) Size	
Pressure	Buildup	: Shut in _	2/03	20	13 at 1			Taken 12	2/04	20	13 at _		A	AM) (PM)	
Well on L	ine:	Started _		20	O at	· · · ·	(AM) (PM)	Taken		20	at _		(/	AM) (PM)	
						OBSERVE	D SURFAC		1	,	Duration	of Shut-i	in 24	Hours	
Static / Orific Dynamic Size Property (inche		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In							28	42.4	Pump	``	24				
Flow															
						FLOW STR	REAM ATTR	IBUTES		,	·.				
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fact	tor	Flowing Temperature Factor F ₁₁	Fa	Deviation Factor F _{pv}		v	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		: (P _w			(OPEN FLO	OW) (DELIV		/) CALCUL P _c - 14.4) +		:	,	(P _a) ²	2 = 0.20 2 =)7	
(P _c) ² - (F or (P _c) ² - (F	*. l	(P _c) ² - (P _w) ²		ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led 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 lard Slope	nxLC	og [Antil	log <u>.</u>	Deliv Equals	en Flow verability R x Antilog Mcfd)	
												•			
Open Flor	w			Mcfd @ 14.6	55 psia		Deliverat	oility	1		Mcfd @ 1	4.65 psi	a		
The u	undersig	ned authority	, on b	ehalf of the	Company, s	states that h	e is duly a	uthorized to	make the	above repo	ort and tha	at he ha	s knowl	edge of	
the facts st	tated the	erein, and tha	t said	report is true	and correc	t. Executed	this the 5	th	day of	cember	1		, 2	13	
		Witne	ss (if an	· ·/)			٠ ــــــــــــــــــــــــــــــــــــ	DN	lus	# For G	UNT Company	WC VC	C 141		
		For C	ommissio	on			-			Che	cked by			ICHIT	
				•			٠					DE	C 13	3 2013	

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 Linn 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 HCU 3221-B
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: 12/5/13
Date:
1.1.
Signature: Man thurw
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

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