RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Company Linn Opera County Hamilton Field Bradshaw Completion 6/24/90 Casing Size 4.5 Tubing Size 2 3/8 Type Comp	Date	C Location C SE	1	Test Date 11/21/13 Section 15 Reservoir		Lease HCU TWP	. '		No. 15 175-20438-0		Well Number
Company Linn Operi County Hamilton Field Bradshaw Completion 6/24/90 Casing Size 4.5 Tubing Size 2 3/8 Type Comp	rating Ind	Location	1	11/21/13 Section 15		Lease HCU	. '				Well Number
Linn Opera County Hamilton Field Bradshaw Completion 6/24/90 Casing Size 4.5 Tubing Size 2 3/8 Type Comp	Date	Location	า	Section 15		HCU					Well Number
Hamilton Field Bradshaw Completion 6/24/90 Casing Size 4.5 Tubing Size 2 3/8 Type Comp	Date e		1	15		TWP				1541 E	
Bradshaw Completion 6/24/90 Casing Size 4.5 Tubing Size 2 3/8 Type Comp	Date e			Reservoir			TWP 24S		RNG (E/W) 41W		Acres Attributed 640
6/24/90 Casing Size 4.5 Tubing Size 2 3/8 Type Comp	e			Winfield					Gas Gathering Connection Oneok Field Services		
4.5 Tubing Size 2 3/8 Type Comp			Completion Date 6/24/90				Packer Set at		et at		
2 3/8 Type Comp	^				Internal Diameter 4.090		Set at 2446 '		Perforations To 2303' 23		
	Tubing Size Weight 2 3/8 4.7			Internal D 1.995	Diameter		Set at Perfora 2287'		ations	То	
Type Completion (Describe) Single Gas				Type Fluid Production Gas - Water				Pump Unit or Traveling Plunger? Yes / No Pump Yes			
Producing TAnnulus	Thru (An	nulus / Tubing)		% C	arbon Diox	ide		% Nitroge	en	Gas Gr .819	avity - G _g
Vertical De	pth(H)					ssure Taps				***	Run) (Prover) Size
2309'					Flan			· · · · · ·		2.067	
Pressure B	·									13 at 11:00	
Well on Line	ie:	Started	20) at		(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERVE	ED SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic	Orifice Size	Circle one: Meter Prover Pressure	Pressure Differential	Flowing Temperature	Well Head	Cas Wellhead	sing Pressure	Wellhea	ubing id Pressure	Duration (Hours)	Liquid Produced (Barrels)
Property	(inches)	psig (Pm)	Inches H ₂ 0	t	t	(P _w) or (P	psia	psig	(P _t) or (P _c) psia	(Hodis)	(Barreis)
Shut-In						30	44.4	Pump		24	·
Flow					:						
•					FLOW STE	REAM ATTR	IBUTES	-			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension ✓ P _m x h		Gravity Factor F _g		emperature Fac		iation. ictor E	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity
			, ,								
(P _c) ² =	:	(P _w) ² =	:	(OPEN FLO		/ERABILITY % (F) CALCUL _c - 14.4) +		·:		² = 0.207 ² =
(P _c) ² - (P _a or (P _c) ² - (P _d	1	P _c) ² - (P _w) ²	1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Slo _l	ssure Curve pe = "n" - or signed lard Slope	n x I	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			, , c w	,,,		y.					
Open Flow			Mcfd @ 14.	35 neia	•	Deliverab	nility		-	Mcfd @ 14.65 psi	ia
			************				•				··· ·
		d authority, on in, and that said						o make the day of _De	-	rt and that he ha	as knowledge of, 20
							M	un_	- #	ridere	A_
		Witness (if a	ny)	*	-	•	/~ ·	Up	For C	Company	KCC WIC
		For Commiss	Non-		· ·	· -				cked by	DEC 13 2

•	
I declare under penalty of pe	erjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 8	32-3-304 on behalf of the operator Linn Operating, Inc.
and that the foregoing pressure i	information and statements contained on this application form are true and
correct to the best of my knowledg	ge and belief based upon available production summaries and lease records
of equipment installation and/or up	pon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year e	xemption from open flow testing for the HCU 1541 B
gas well on the grounds that said	well:
(Check one)	
<u></u>	ethane producer
	unger lift due to water
	natural gas for injection into an oil reservoir undergoing ER
	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 th	e best of my ability any and all supporting documents deemed by Commission
	this claim for exemption from testing.
otali ao nocoboary to comoborato	, and order to the total total total g.
Date: /1/2/13	
Date: / 2/ 2/ / 5	
	Signature: Mann Hruuruu
	Signature: Man Huurur Title: Regulatory Compliance Advisor
	Signature:

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.

DEC 13 2013