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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:	•				(See Instruc	tions on Re	verse Side	9)					
Ope	en Flo	w				Test Date				A DI	No. 15				
✓ Del	liverat	oilty			•	12/04/13		* * * * *			190. 15 075-20074-0	00-00		•	
Company Linn Operating Inc						Lease HCU					1531	Well Number			
County Location Hamilton NW NW				Section 15		TWP 23S			RNG (E/W) 41W		Acres 640		ttributed		
Field Bradshaw				Reservoir Winfield			-	Gas Gathering Co Oneok Field Ser							
Completion Date 2/26/74				Plug Bac 2494'	k Total Dep	th			Packer Set at						
Casing Si 4.5	asing Size Weight .5 9.5			Internal E 4.090	Diameter		Set at 2499'		Perforations 2454'		To 2470'		*		
Tubing Size Weight 2 3/8 4.7				Internal D 1.995	Diameter		Set at 2474 '		Perforations		То				
				Type Fluid Production Gas - Water				Pump Unit or Traveling Plunger? Ye Pump				/ No S			
Producing Annulus		(Anı	nulus / Tubi	ng)		, % C	Carbon Diox	ide		% Nitrog	en		Gas Gra	avity - G	g
Vertical Depth(H)				Pressure Taps Flange							(Meter F 2.067'		over) Size		
Pressure	Buildu	ıp:	Shut in	2/03	20	13 at 1	1:00 AM	(AM) (PM)	Taken 12	2/04	20	13 at _	11:00 /	AM (/	AM) (PM)
Well on Li	ine:		Started	•	20	at		(AM) (PM)	Taken		20	at _		(/	AM) (PM)
							ÖBSERVE	ED SURFAC	E DATA			Duration	of Shut-i	in 24	Hour
Static / Dynamic Property	Orif Siz (inch	ze Prover Pre		sure	Pressure Differential in Inches H ₂ 0	Flowing Temperature .t	Well Head Temperature t	Wellhead (P _w) or (F	Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		ation urs)	Liquid Produced (Barrels)	
Shut-In			paig (Fin	,	mones 11 ₂ 0			psig 85	99.4	Pump	psia	24			
Flow															
	· · · ·		: .				FI OW ST	REAM ATTR	IRLITES					1	
Plate Coefficci (F _b) (F _c Mcfd	ient 。)	Circle one: Meter or Prover Pressure psia		Extension		vity	Flowing Temperature Factor F _{f1}	Flowing Deviation Factor F		otor R		w GOR (Cubic Fed Barrel)		Flowing Fluid Gravity G _m	
													·····	·	
P _c) ² =		:	(P _w) ²	='	· :·	(OPEN FLO		/ERABILITY % (f	') CALCUL 		· · · · · · · · · · · · · · · · · · ·		(P _a)² (P _d)²	2 = 0.20 2 =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		:	ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ see by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Backpressure Curv Slope = "n" or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
										-		,			
Open Flour			Maria). 		Delbus Enby				14-4-6-4-2-			
Open Flov	N .				Mcfd @ 14.6	5 psia		Deliverat	oility		•	Mcfd @	14.65 psia	а	
					ehalf of the (_			e above repo ecember	rt and th	at he has		edge of 0 13
ne iacis si	iaieu l		ii, aliu tiidt	oaiu	rehoir is ride	and correc	i. Executed	ruis trie <u> </u>		uay or	1 /)	•	, 2	· · · · · · · · · · · · · · · · · · ·
		.+				-	. ·		SI	Ven	- Ft-	us	Lin	7	
			Witness	(if any	y) ·.						For C	Company	N	JU 1	VICTI
			' For Com	missio	on			- -			- Chec	cked by	C	DEC 1	3 2013

7	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 1531
	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
	Signature Mann Hurray
•	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.

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