KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruc	tions on Re	everse Side	e)				
Op	en Flow	v			Tool Date			•		No. 15			
✓ Deliverabilty			Test Date: 11/21/13				API No. 15 15-075-10041-00-00						
Company Linn Ope		Inc				· · · · · · · · · · · · · · · · · · ·	Lease HCU				2531	Well Nu	umber
County Hamilton			Locatio SW	on	Section 25		TWP 23S	-	RNG (E 41W	/W)		Acres 640	Attributed
Field Bradsha	w			. •	Reservoir Winfield					thering Conne Field Service		,	
Completic 7/10/63	n Date	•			Plug Bac 2502	k Total Dep	th .		Packer \$	Set at			
Casing Si I.5	ze		Weight	t	1nternal [4.090	Diameter	Set 250		Perfo 240	rations 7	то 2479		
ubing Si	ze		Weight	t	Internal D	Diameter	Set 249				То		
			Type Flui	Type Fluid Production Gas - Water			Pump Unit or Traveling Plunger? Yes / No Yes						
					% C	% Carbon Dioxide			% Nitrogen Gas Gravity - G _g			G _g	
Vertical D		```				Proc	ssure Taps					Rug\ /E	Prover) Size
2443'	eptii(n)	,			4	Flan	ige				2.067	7"	10ver) 5ize
Pressure	Buildup		Shut in								13 _{at} 11:00		(AM) (PM)
Well on Li	ine:		Started	2	0 at		(AM) (PM)) Taken		20	at		(AM) (PM) .
···				· .	I	OBSERVE	D SURFAC				Duration of Shut	1-in	Hours
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead	using d Pressure P _t) or (P _c) psia	Wellhe	Tubing ead Pressure or (P _t) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	,						31	45.4	Pump		24		
Flow							,						
						FLOW STE	REAM ATT	RIBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fact	tor	emperature Fact		viation actor F _{pv}	Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	eet/	Flowing Fluid Gravity G _m
										·.			
o _c)² =		•	(P _w) ² =		(OPEN FLO	OW) (DELIV		Y) CALCUL (P _c - 14.4) +			(P _a)	$)^2 = 0.2$ $)^2 = 0.2$	207
(P ₂) ² - (F	2)2	_ · (P		Choose formula 1 or 2	LOG of		Backpro	essure Curve	э		, , ,	0;	pen Flow
or (P _c) ² - (P _d) ²				2. $P_c^2 - P_d^2$	formula 1. or 2. and divide by:	P _c ² - P _w ²			n x LOG		Antilog	Deliverability Equals R x Antilog (Mcfd)	
pen Flow Mcfd @ 14.65 psia				Deliverability			:	Mcfd @ 14.65 psia					
The u	ındersiç	gned	authority, on	behalf of the	Company, s	states that h	ne is duly a	uthorized t		•	rt and that he ha		·
e facts st	ated th	ereir	n, and that sa	id report is true	and correc	t. Executed	I this the $\frac{2}{\cdot}$	2nd . 1/1	day of	ecember	•	,	20 13
			Witness (if	any)			•	JUP	ans	- HTV	Company		KCC V
			F.:.A						•				
			For Commi	ssion						Chec	ked by		DFC 1

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I declare under penalty of perjury ur exempt status under Rule K.A.R. 82-3-30			•
and that the foregoing pressure informa		•	the second secon
correct to the best of my knowledge and l	belief based upon availa	able production summ	aries and lease records
of equipment installation and/or upon type	e of completion or upon	use being made of the	gas well herein named.
I hereby request a one-year exemption	on from open flow testin	g for the HCU 2531	
gas well on the grounds that said well:			
(Check one)		• .	
is a coalbed methane	producer	•	
is cycled on plunger li	ift due to water		•
is a source of natural	gas for injection into an	oil reservoir undergoi	ng ER
is on vacuum at the pr	resent time; KCC approv	/al Docket No	
is not capable of prod	lucing at a daily rate in e	excess of 250 mcf/D	
I further agree to supply to the best of	of my ability any and all	supporting document	ts deemed by Commission
staff as necessary to corroborate this cla	aim for exemption from	testing.	
$r^{-1}r$			
Date: 12/2/13			
		•	
	,	1.1	
	Signature:	un this	resp
	Title: Regulator	y Compliance Adviso	<u>r </u>

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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