KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				0	See Instruct	tions on Reve	erse Side)				
□ Ор	en Flov	v			Test Date				A D1	No. 45			
De'	liverabi	lty			04/03/13					No. 15 033-20981-0	0-00		
Company		- PER	ATING COM	PANY, LLC			Lease LONG T	WIN			1	Well N	umber
County COMAN	CHE		Locatio S/2 N/2		Section 9		TWP 32S		RNG (E/	W)		Acres	Attributed
Field			•		Reservoir MISSIS	SIPPIAN		,,,,,	Gas Gat	hering Conne	ection		
Completic 12/14/98)			Plug Bad 4890	k Total Dept	h		Packer S NONE	Set at			
			Internal D 4.950	Diameter		*		Perforations 4962		то 4965			
Tubing Size 2.375			Weight 4.7	Weight 4.7		Internal Diameter 1.950		Set at 4950		Perforations OPEN			
Type Con SINGLE		(De	escribe)		Type Flui- WATE	d Production R, OIL	n		Pump Ur PUMP	nit or Traveling	Plunger? \	∕es / No	
Producing TUBING		(Anr	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas	Gravity -	G,
Vertical D	epth(H)				Pres FLAI	sure Taps NGE				(Me 3"	ter Run) (I	Prover) Size
Pressure	Buildup	o: (Shut in _04/0	3/13 2	0 at		(AM) (PM)	Taken_04	1/04/13		at		(AM) (PM)
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at		(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of S	hut-in	Hours
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Pressui	\	Flowing Well Head Temperature 1 t Casing Wellhead Pressure (P _w) or (P _c) or (P _c)		ressure	Tubing Wellhead Pressure (P _w) or (P _s)		Duration (Hours)		rid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0		-	psig 175	psia	psig O	baia	24		
Flow													
					<u> </u>	FLOW STR	EAM ATTRI	BUTES					
Plate Coeffiec (F _b) (F Mcfd	ient ,)		Circle one: Meter or ver Pressure psia	Press Extension	Grav Fact F _s	tor	Flowing Femperature Factor F _{ft}	Fa	iation ctor = pv	Metered Flow R (Mcfd)	(Cub	OR ic Feet/ trrel)	Flowing Fluid Gravity G _m
					_					<u>.</u>			
(P _c) ² =			(P \2 -		•		ERABILITY)	CALCUL - 14.4) +				$(P_a)^2 = 0.$ $(P_d)^2 =$	207
(',	T			hoose formula 1 or 2				sure Curve				T	
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P	(P _w) ² - (P _w) ²	1. P _c ² - P _s ² 2. P _c ² - P _d ² Mideal by: P _c ² - P _w	LOG of formula 1, or 2. and divide by:	P _c ² -P _w ²	Slope Assi	= "n" pr igned rd Slope	0.81	LOG	Antilog	De	open Flow eliverability Is R x Antilog (Mcfd)
				Wided by: Te - Tw									
					_	<u></u> .							
Open Flor	w			Mcfd @ 14.	65 psia	-	Deliverabil	lity			Mcfd @ 14.65	psia	
										ne above repo	rt and that h	e has kno	wledge of
uie idcis S	iaieū (r	ialal	n, and that sa	d report is true					ay or <u> </u>	ECEMBER OS	(00-		, <u>, , , , , , , , , , , , , , , , , , </u>
··			Witness (if	any)		JULKK!	~ <u></u>		VIII	For C	ompany	Joint Contract of the second	
			For Commi	ssion		EC-3 1	2013 -			Chec	ked by	-	

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exempt status and that the ti correct to the of equipment i hereby r gas well on the	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC oregoing pressure information and statements contained on this application form are true and best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for the LONG 1 TWIN the grounds that said well:
(0)	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: 12/17/	13
	Signature: Win L. Soullaught. Title: FIELD MGR.

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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