## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(	See Instruct	tions on Re	ve <b>rse</b> Side	)					
Open Flow				Test Date:				A D1	l No. 15					
✓ Deliverabilty				Test Date: 8/13/15					. 100. 15 -007-23193-0	0000				
Company WOOLSEY OPERATING COMPANY, LLC					Lease LIEBL				1			Well Number		
County Location BARBER E/2 SW SW					Section 6		TWP 33 S		RNG (E/W) 10 W			Acres Attributed		
Field TRAFFAS				Reservoir MISSIS				Gas Gas	thering Conne	ection				
Completion Date 10/16/07				Plug Bac 4951	k Total Dept	h		Packer S NONE						
Casing Si 4.500	ize		Weigh 10.50		Internal E 4.052	Internal Diameter 4.052		Set at 4951		Perforations 4607		то 4676		
Tubing Si 2.375	ze		Weigh 4.70	t	Internal E 1.995	Diameter	Set at 4712		Perforations OPEN		То			
Type Completion (Describe) SINGLE				Type Fluid Production WATER				Pump Unit or Traveling Plunger? Yes / No PUMPING						
Producing ANNUL	-	(Anı	nulus / Tubing	ı)	% C	arbon Dioxi	de		% Nitrog	jen	Gas Gr	avity - (	G <sub>0</sub>	
Vertical D	epth(l	ł)				Press	sure Taps				(Meter	Run) (P	rover) Size	
5120 Pressure	Buildu	ın:	Shut in _8/1:	2/15			(AM) (PM)	Taken 8/	13/15		at			
Well on L		-	Started 20											
						OBSERVE	D SURFACI	E DATA			Duration of Shut-		Hours	
Static / Orifice Dynamic Size Property (inches		20	Circle one: Meter Prover Pressu		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> )		Tubing ead Pressure or $(P_1)$ or $(P_2)$	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	Shut-In .500		psig (Pm)	Inches H <sub>2</sub> 0			psig 58	psia	psig 44	psia	24			
Flow														
			_			FLOW STR	EAM ATTR	BUTES						
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Citale one: Meter or Prover Pressu psia		Press Extension P <sub>m</sub> xh	Fact	Gravity Factor F <sub>g</sub>		Flowing Devi- emperature Factor F frt		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
(D \2 -			(P <sub>w</sub> ) <sup>2</sup> =		•	OW) (DELIV	-	CALCUL			(P <sub>a</sub> )	² = 0.2	207	
(P <sub>c</sub> ) <sup>2</sup> =		<del>-</del> -		Choose formula 1 or 2	P <sub>a</sub> ≃ .					<del></del> :	(1 4)			
(P <sub>p</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup>		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> LOG of formula		Backpressure Slope = "r			ا ا	LOG	Antiloa		Open Flow Deliverability	
or (P <sub>a</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> 1. or 2.		P <sub>c</sub> <sup>2</sup> -P <sub>*</sub> <sup>2</sup> Ass Standa				Antilog	Equals R x Antilog (Mcfd)		
												}		
Open Flov	i w	Mcfd @ 14.65 psia				_	Deliverability		Mcfd @ 14.65 psia					
		igner	d authority or		•	itates that h			n make th		rt and that he ha		rledge of	
				id report is true			•			•			20 <u>15</u> .	
						Receive	ď	Win	R	Xullay				
			Witness (i	any)	_	CT 16				56r C	ompany			
			For Comm	ission	<del></del>	<del>UI   []</del> ,	ZUIJ -			Chec	ked by		-	

CONSERVATION DIVISION WICHITA, KS

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 WOOLSEY OPERATING CO, LLC
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 LIEBL 1
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: 10/12/15
Signature: Was Mallaye
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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