RECEIVED

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

				,	3 <del>88</del> 1113111	uctions on Re	verse side	7				
U Ope	en Flow			Test Date	٠.			ΔΡΙ	No. 15			
Deliverabilty					Test Date: API No. 15 08/11/13 15-007-23193-0000							
Company WOOLSEY OPERATING COMPANY, LLC				;	Lease LIEBL					#1	Well Number	
County Location BARBER E/2 SW SW			Section 6		TWP 33S			<b>(W)</b>		Acres Attributed		
Field TRAFFAS				Reservoir MISSIS				Gas Gat APC	thering Conn	ection		
Completion Date 10/16/07				Plug Bac 4951	k Total De	epth		Packer S NONE				
Casing Size Weight500 10.50			Internal [ 4.052	Diameter		Set at <b>4951</b>		rations 7	то 4676			
Tubing Size Weight 2.375 4.70			Internal D	Diameter		Set at 4712		rations EN	То			
Type Completion (Describe) SINGLE				• •	Type Fluid Production WATER			Pump Unit or Traveling Plunger? PUMPING			/ No	
Producing ANNUL	,	nulus / Tubir	ng)	% C	arbon Did	oxide		% Nitrog	gen	Gas Gr	avity - G <sub>g</sub>	
Vertical D 5120	epth(H)		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Pr	essure Taps				(Meter	Run) (Prover) Size	
Pressure	Buildup:	Shut in _08	/11/13	20 at		(AM) (PM)	Taken_08	3/12/13	20	at	(AM) (PM)	
Well on Li	ine:	Started	· 2	:0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
				,	OBSER	VED SURFAC	E DATA		_	Duration of Shut-	in Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Pressure Meter Differential Prover Pressure psig (Pm) Inches H <sub>2</sub> O		Flowing Well Heat Temperate t		Mallhood Proces		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In						75	psia	70	para	24		
Flow												
			,		FLOW S	TREAM ATTE	RIBUTES	<u>.                                    </u>				
Plate Coeffieci (F <sub>b</sub> ) (F <sub>c</sub> Mcfd	ient ,,) <i>Pi</i>	Circle one: Meter or rover Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fac F	tor	Tompovoturo		Deviation Factor F <sub>pv</sub>		w GOR (Cubic Fe Barrel)	Gravity	
<u>.                                    </u>												
P <sub>c</sub> ) <sup>2</sup> =	:	( <b>P</b> )²:	=:	(OPEN FL		.IVERABILITY % (	<b>') CALCUL</b> P <sub>e</sub> - 14.4) +		<u> </u>	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	)² (	$ (P_c)^2 - (P_w)^2 $ Choose formula 1 or 2: $ 1. P_c^2 - P_a^2 $ $ 2. P_c^2 - P_d^2 $ $ divided by: P_c^2 - P_w^2 $		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow			Mcfd @ 14	.65 psia		Deliveral	oility			Mcfd @ 14.65 ps	ia	
		nd authority (			states that			n maka ti		ort and that he ha		
	•	•	said report is tru	- •		<u>.</u>			ECEMBER	A GIO MAI NO NO	, 20 <u>13</u>	
		127	St om A				W	n k	Hall	Daugh	·	
		Witness	(u any)						For (	Company	KCC W	

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:
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 Commissio staff as necessary to corroborate this claim for exemption from testing.
Signature: Um L Hallaugh.  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.

