CONSERVATION DIVISION WICHITA, KS

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

Type Test			ONE	. ,	J.N. 31	(ABILIZ		ctions on Re			ENADILII	1 16	31			
	en Flo liverab					Test Date	e: ber 22, 20	12		API	No. 15	119-20	)203 <b>– 0</b> (	9 <i>00</i>		
Company M E Klein & Associates, Inc.						Lease	Lease Sanders Ranch					Well Number 2				
County Location Meade C W/2 SW/4				Section 24		TWP 32S			RNG (E/W) 29W		Acres Attributed 320					
Field Angell				Reservoir Morrow			Gas Gathering ( Angell Pipeline									
Completion June 2,			)			Plug Bac 5,758' /	ck Total Dep 5,780'	oth		Packer S	et at					
Casing Size Weight 5 1/2" 15.5#				Internal [ 4.95"	Diameter		Set at 5,753'		rations 5,601'-5,60	)4'	То					
Tubing Size Weight 2 3/8" 4.7#/ft				Internal [ 1.995"	Diameter		Set at 5,570'		rations		То					
Type Completion (Describe) Cased hole vertical				Type Flui Water	id Production	on	Pump Unit or Traveling Plunger			g Plunger? Yes / No						
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide			% Nitrogen			Gas Gravity - G <sub>g</sub>						
Vertical D	epth(F	1)					Pres	ssure Taps					(Meter R	un) (P	rover) Size	
Pressure	Buildu	p;	Shut in No	v 22	2 20	12 at 1	:00 PM	(AM) (PM)	Taken N	ov 23	20	12 at	1:00 PN	<u>И</u> (	AM) (PM)	
Well on L	ine:		Started		20	at		. (AM) (PM)	Taken		20	at		(	(AM) (PM)	
							OBSERV	ED SURFAC	E DATA			Duration	n of Shut-ir	24	Hours	
Static / Dynamic Property	Siz	Size Meter Di		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		Casing Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$ psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)		Liquid Produced (Barrels)			
Shut-In								115	123.7	0	0	24				
Flow			<u> </u>													
	ı			<b>T</b>			FLOW ST	REAM ATTE	RIBUTES	<u>-</u>						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia			Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>q</sub>		Temperature Factor		riation actor = pv	tor R		w GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
						/OPEN EL	OW) (DEL!)	VERABILITY	() CALCIII	ATIONS						
(P <sub>c</sub> ) <sup>2</sup> =		_:_	(P <sub>w</sub> ) <sup>2</sup> =		:	P <sub>d</sub> =	, ,		P <sub>c</sub> - 14.4) +		<u></u> :		(P <sub>a</sub> )² (P <sub>d</sub> )²	= 0.2	07	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		se termula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_d^2$ ed by: $P_c^2 - P_w^2$	LOG of formula 1, or 2, and divide by:	formula 1. or 2. and divide   p2 p2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
					<del></del>											
Open Flo	l	***************************************			Mcfd @ 14.6	55 psia		Deliverat	oility			Mcfd @	14.65 psia	<u> </u>		
					ehalf of the Creport is true						e above repo	ort and th		,	ledge of 20 13 RECEIVED CORPORATION CO	
			Witness	if any)	)						Fort	Company	rv-u			
			For Comm	nicolor				-				akad bu			<u>1AY 16</u> 20	

exempt st and that t	atus under Rule K.A.R. 82-3-3 he foregoing pressure inform	under the laws of the state of Kansas that I am authorized to request 04 on behalf of the operator MEKLEIN & ASSOCIATES, INC.  action and statements contained on this application form are true and belief based upon available production summaries and lease records
	-	pe of completion or upon use being made of the gas well herein named. tion from open flow testing for theSanders Ranch #2-24
	on the grounds that said well:	
	is on vacuum at the is not capable of pro	
Date:	5/13/2013	
		Signature: Mark Ream: Title: PRESIDENT

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. KANSAS CORPORATION COMMISSION