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

Type Test	t:				(	See Instruc	tions on Re	verse Side	e)					
Open Flow					Test Date:				ADI	No. 15				
Deliverabilty				Aug 13, 2013					91-00027-0	0001				
Company		rgy	Resources,	<u>L</u> P			Lease Rindt				1	Well N	umber	
County Sumner			Location SE SE S		Section 2		TWP 35S		RNG (E/W) 2E		Acres Attributed 160			
Field Murphy				-	Reservoir Cleveland			Gas Gathering Co Ashton Gas Gat						
Completion Date 2-14-61					Plug Back Total Dep		th		Packer Set at					
Casing Size 4 1/2			Weight		Internal Diameter		Set at <b>3161</b>		Perforations 3092		то 3100			
Tubing Size 2 3/8			Weight		Internal Diameter		Set at 3133		Perforations		То			
Type Completion (Describe) single / gas				Type Fluid Production saltwater				Pump Unit or Traveling Plung pumping unit			es / No	_		
Producing Thru (Annulu			nulus / Tubing	)	% Carbon Diox		ide	% Nit		litrogen		Gas Gravity - G		
annulus Vertical D						Prop	sure Taps				(Mote	or Buo\ //	Prover) Size	
Vertical L	индици	,				ries	sure raps				(INIER	ei muil) (r	Tover) Size	
Pressure	Buildu	 o:	Shut in Aug	12 20	13 at 1	2:00	(AM) (PM)	Taken A	ug 13	20	13 at 12:0	0	(AM) (PM)	
Well on L	ine:		Started	20	) at		(AM) (PM)	Taken		20	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Sh	ut-in	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressur		Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Duration (Hours)	- 1	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 280#	psia	psig psia					
Flow			_											
						FLOW STR	REAM ATTE	RIBUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Mater or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Grav Fac F <sub>s</sub>	tor	Flowing Temperature Factor	Fa	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	v GC (Cubic Ban	Feet/	Flowing Fluid Gravity G <sub>m</sub>	
				_								<del></del> -		
(P <sub>c</sub> ) <sup>2</sup> =			(P)2=	;	OPEN FLO	OW) (DELIV ,		r) CALCUL P <sub>e</sub> - 14.4) +				$(a_a)^2 = 0.3$ $(a_b)^2 = 0.3$	207	
(P <sub>c</sub> ) <sup>2</sup> - (I or (P <sub>c</sub> ) <sup>2</sup> - (I		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	incose formula 1 or 2  1. $P_c^2 - P_n^2$ 2. $P_c^2 - P_d^2$ incided by: $P_c^2 - P_d^2$	LOG of formuta 1. or 2. and divide		Backpressure Curve Slope = "n"				Antilog	O De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					<u></u>			111				<u> </u>		
Open Flo	w			Mcfd @ 14.6	55 psia		Deliveral	oility			Mcfd @ 14.65	psia		
		-	•	behalf of the			-		o make the	•	rt and that he		vledge of	
				·					Joc	Drieta	0			
			Witness (if	злу)	•		•		<u> </u>	For C	company KANS	Rec AS CORPOR	CEIVED COMMISSI	
			For Commis	síon			•			Chec	ked by	በርፕ	3 n 2014	

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	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Endeavor Energy Resources, LP</u>
	at the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	pment installation and/or upon type of completion or upon use being made of the gas well herein named.
•	ereby request a one-year exemption from open flow testing for the Rindt 1
	Il on the grounds that said well:
J	
	(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 fr	orther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	s necessary to corroborate this claim for exemption from testing.
oluli ul	s necessary to composition and claim for exemplicit from teaming.
_	A.V. 20, 2042
Date: _	Aug 20, 2013
	$\sim$ $\sim$ $\sim$ $\sim$ $\sim$
	Signature:
	Title: _Operations Superintendent

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 Received signed and dated on the front side as though it was a verified report of annual test results. KANSAS CORPORATION COMMISSION