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

Type Test  ✓ Op	: en Flov	<b>V</b>			·		truct	ions on Rev	erse Side	,						
Deliverabilty					Test Date: Aug 20, 2013					API No. 15 15-191-11316-0000						
Company		rgy l	Resources, L	.P				Lease Lawson	-Dean				В3	Vell Nu	mber	
County Location Sumner NW SW NW				Section 12			TWP 35S		RNG (E/W) 2E			/	Acres A	ttributed		
Field Murphy				Reservoir Bartlesville			Gas Gathering Connection Ashton Gas Gathering									
Completion Date				Plug Back Total Depth			h	Packer Set at								
Casing Size Weight 5 1/2			Internal Diameter			Set at 3510		Perforations 3486			т <sub>о</sub> 3500					
Tubing Size Weight 2 3/8			Internal Diameter			Set at 3505		Perforations			То		_			
Type Completion (Describe) single / gas				Type Fluid Production saltwater			1			rump Unit or Traveling Plunger? Ye pumping unit			s / No			
Producing Thru (Annulus / Tubing) annulus				% Carbon Dioxide			de	9 % <b>N</b> it			itrogen Gas (			Gravity - G		
Vertical D		)			Han -	ı	Press	sure Taps					(Meter F	Run) (Pi	over) Size	
Pressure	Buildu	o: {	Shut in Aug	19 20	13 <sub>at</sub> 1	2:00		(AM) (PM)	Taken_A	ug 20		20 _1	3 at 12:00	(	AM) (PM)	
Well on L													_ at		• • •	
_						OBSE	RVE	D SURFACE	E DATA		-	Du	ration of Shut-i	in	Hours	
Static / Dynamic Property	c Size		Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t		mperature (P <sub>w</sub> ) o		$P_t$ ) or $(P_c)$ (P		Tubing head Pressure ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			paig (Fili)	Miches 11 <sub>2</sub> 0				psig 150#	psia	psig	psia					
Flow																
		1				FLOW	STR	EAM ATTR	IBUTES							
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	Fact	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>tt</sub>		eviation Metered Factor R F <sub>pv</sub> (Mcfe			ow GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
					(OPEN FL	OW) (DI	ELIV	ERABILITY	CALCUL	ATIONS			(5.)		27	
(P <sub>o</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =_	:	P <sub>d</sub> =			`	14.4) +		:			e 0.2		
$(P_e)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		thoose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_d^2$	LOG of formula 1. or 2. and divide by:	formula 1. or 2. and divide p 2 p 2		Backpressure C Slope = "n" or Assigned Standard Slo		пх	LOG		Antilog	Del Equals	en Flow iverability R x Antilog (Mcfd)	
				M-W C 44	<u> </u>	<u> </u>		De":					U @ 44 c =			
Open Flor				Mcfd @ 14.	,	dodos *		Deliverab		a mal 1	ha she		fd @ 14.65 psi		ladae of	
		•	•	d report is true				•		day of _		eport a	and that he ha		eage of 20 <u>14</u> .	
ne iacis s	iaieū (f	iei ell	ı, anu mat sal	a report is true	ани сопес	⊏X8C	atea	uns me <u></u>		Jee_	Vist	0	KAI		Received	
			Witness (if	any)			_	_		7	11 44/1	ForComp			T 3 0 201	
			For Commis	sion	- W		_	_		<u></u>		Checked	by	CONSE	RVATION DIVISI VICHITA, KS	

exempt state and that the correct to the of equipme	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator Endeavor Energy Resources, LP e foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ant installation and/or upon type of completion or upon use being made of the gas well herein named. It is a one-year exemption from open flow testing for the Lawson-Dean
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
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
	, company to control and committee enemy provinces are single
Date: Aug	20, 2013
	Signature:
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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 resembled Kansas corporation commission signed and dated on the front side as though it was a verified report of annual test results.

OCT 3 0 2014