Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

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Type Tes	st:				(See instr	ructions on Re	everse Side	e)					
	en Flow				Test Date	ı:			ΔΡ	l No. 15				
Deliverabilty				Aug 20, 2013				API No. 15 15-191-20616-0001						
Company Endeavo		y Resources	s, LP				Lease Setters	trom			1	Well N	umber	
County Location Sumner 130'S N2 NW NW				Section 3		TWP 35\$			/W)	Acres A		Attributed		
Field Murphy				Reservoir Hoover					thering Con Gas Gathe					
Completion Date 4-29-04				Plug Back 2302	k Total D	epth	Packer Set at							
Casing Size W 4 1/2			ħt		Internal Diameter			Set at 2300		rations 5	то 2217			
Tubing Size Weight 2 3/8			Internal C	iameter		Set at 2250		prations	То					
Type Completion (Describe) single / gas				Type Fluid		tion	Pump Unit or Trav pumping unit			ling Plunger? Yes / No				
Producing Thru (Annulus / Tubing) annulus				% C	arbon Di	oxide		% Nitrog		Gas Gi	Gas Gravity - G _g			
Vertical E		_				Pr	ressure Taps				(Meter	Run) (F	Prover) Size	
Pressure	Buildup:	Shut in Au	ıg 19	20 13 at 10:		0:00	:00 (AM) (PM)		ken_Aug 20		13 _{at} 10:00		(AM) (PM)	
Well on Line:						_ at		M) Taken		20	_ 20 at		,	
-	r					OBSER	VED SURFAC	E DATA	,		Duration of Shut	-in	Hours	
Static / Orifice Dynamic Size Property (inches)		Meter Prover Press	Differer	rential Flowing in Temperature		Well Hea Temperate t	Wellhead	Casing Wellhead Pressure (P_{ψ}) or (P_1) or (P_c)		Tubing ead Pressure or (P _L) or (P _C)	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In		psig (Pm)	Inches	120		_	_{psig} 265#	psia	psig	psia		+		
Flow	-													
	<u> </u>					FLOW S	TREAM ATTR	RIBUTES	J					
Plate Coefficeient (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia	Extens	Press Extension ✓ P _m xh		ity or	Temperature Fa		viation Metered Flo actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	eet/	Flowing Fluid Gravity G _m	
		·	<u> </u>	_	<u> </u>	_		_						
(P _c) ² =	:	: (P _w) ²	=	:	(OPEN FLO	OW) (DEL	.IVERABILITY % (1	') CALCUL P _e - 14.4) +		:) ² = 0.2) ² =	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 \cdot (P_w)^2$ $(P_c)^2 \cdot (P_w)^2$ $1. P_c^2 - P_a^2$ $2. P_c^2 - P_a^2$ $divided by: P_c^2 - P_w^2$		2 a 2 d	LOG of formula 1, or 2. and divide D 2. D 2		Backpressure Curve Slope = "n" 		n x LOG		Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	W		Mcfd @	14.6	55 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia		
	_	ned authority, o			•		·		o make th day of _C	•	ort and that he ha		wledge of 20 14 .	
			Julia ropore le						Joe 1		<u> </u>		Received	
		Witness					- 						T 3 0 20	
		For Com	mission							Ch	ecked by	CONSE	RVATION DIVIS	
					_							١	WICHITA, KS	

Ιc	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exemp	ot status under Rule K.A.R. 82-3-304 on behalf of the operator Endeavor Energy Resources, LP
	at the foregoing pressure information and statements contained on this application form are true and
correc	t to the best of my knowledge and belief based upon available production summaries and lease records
of equ	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
۱۲	ereby request a one-year exemption from open flow testing for the Setterstrom 1
	ell on the grounds that said well:
	(Objections)
	(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
Ιf	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissi
staff a	s necessary to corroborate this claim for exemption from testing.
Date: _	Aug 20, 2013
	\sim \sim -1.00
	Signature:
	<u>a</u>

Instructions:

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

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