## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:			` (6	See Instruct	tions on Re	verse Side	·)				
Open Flow			<b>-</b> . <b>-</b> .				4.51				
Deliverabilty			Test Date: 9/23/2013					No. 15 -20702-00-0	)1		
Company Empire Energy E	E&PLLC				Lease Bryant					Well Number	
County Comanche	Locatio W/2 W/2		Section 32		TWP 33		RNG (E/ 17W	W)		Acres Attributed 160	
Field Beals			Reservoir Ft. Scott,		Itamont, Sto	ottler A		hering Conne Energy E &			
Completion Date 1/22/1987			Plug Back 5002	k Total Dept	th		Packer S 4841	Set at			
Casing Size	Weight 10.5		Internal D 4.052	Diameter	Set a 521		Perfo 334	rations O	то 4954		
Tubing Size 2.375	Weight 4.7		Internal D 1.995	Diameter	Set a <b>484</b>		Perfo <b>Non</b>	rations e	™ None	To None	
Type Completion (I Cased Hole Pe		s	Type Fluid Dry Ga	d Production	n		Pump Ur <b>No</b>	nit or Traveling	Plunger? Yes	/ No	
Producing Thru (A	-	)	% C	arbon Dioxi	de		% Nitrog	en	Gas G	ravity - G <sub>g</sub>	
Annulus and To	ubing		· ·	Pres	sure Taps				(Meter	Run) (Prover) Size	
Pressure Buildup:	Shut in9/23	. 2	0_13_at_2:	30PM	(AM) (PM)	Taken_9/	24	20	13 <sub>at</sub> 2:30 F	PM (AM) (PM)	
Well on Line:			0 at		(AM) (PM)	Taken		20	at	(AM) (PM)	
				OBSERVE	D SURFAC	E DATA			Duration of Shut	-in 24 Hours	
Static / Orifice Dynamic Size Property (inches)	ic Size Meter Prover Pressu		Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	psig (Pm)	Inches H <sub>2</sub> 0			psig 10	psia	psig 4	psia	•		
Flow				,							
				FLOW STR	EAM ATTR	IBUTES					
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Coefficeient Meter or Prover Pressure		Press Grav Extension Fact  ✓ P <sub>m</sub> x h F <sub>g</sub>		Flowing Femperature Factor F <sub>ft</sub>	Fa	iation ctor - pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity	
			(ODEN EL C	OW) (DELIV	ERABILITY	) CALCUL	ATIONS				
P <sub>c</sub> ) <sup>2</sup> =:	(P <sub>w</sub> ) <sup>2</sup> =_	·	P <sub>d</sub> =			) CALCUL P <sub>c</sub> - 14.4) +		<u> </u>	(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
$(P_c)^2 - (P_a)^2$ 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. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slop	ssure Curve pe = "n" - or signed ard Slope	n x I	.og 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow		Mcfd @ 14.	lcfd @ 14.65 psia		Deliverability		M		// // // // // // // // // // // // //		
The undersign							o make the	•	rt and that he ha	as knowledge of  RECEIVED  CORPORATION COMM	
ν.	Witness (if	any)		<del></del>	. –	4	Jan	ching Forc	ompany	OCT 0 9 2013	
	For Commis	sion			_	•		Chec		INSERVATION DIVISION WICHITA, KS	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Empire Energy E & P LLC	st —						
and that the foregoing pressure information and statements contained on this application form are true an	d						
correct to the best of my knowledge and belief based upon available production summaries and lease record	ls						
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named	<b>.</b> .						
I hereby request a one-year exemption from open flow testing for the Bryant #3	_						
gas well on the grounds that said well:							
(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	,						
To the capable of producing at a daily rate in excess of 200 men.							
I further agree to supply to the best of my ability any and all supporting documents deemed by Commiss	sion						
staff as necessary to corroborate this claim for exemption from testing.							
start as necessary to correspond to the start for exemption from testing.							
Date:							
$\epsilon$							
M = I + I							
Signature: Tauchway RECEIVED	-						
Title: Operations Manage KANSAS CORPORATION COMMIS	SSION						
OCT 0 9 2013							
CONSERVATION DIVISION WICHITA, KS	1						

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 must be signed and dated on the front side as though it was a verified report of annual test results.