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

Type Test	t:			(	See Instruct	tions on Re	verse Side	<del>)</del> )				
Open Flow				Test Date:					No. 15			
	eliverabil	ty — –		08/01/20	014			033	3-20702-00-0			<del></del>
Company Empire I		E&PLLC				Lease Bryant				3	Well Nun	nber
County Comanche		Loca W/2 V	tion 1/2 SE	Section 32		TWP 33		RNG (E/W) 17W		Acres Attributed 160		tributed
Field Beals				Reservoir FT. Scott	, Pawnee, A	ltamont, Sto	ottler A		thering Conne Energy E &			
Completion 1/22/198		1		Plug Bac 5002	Plug Back Total Depth 5002			Packer 8 4841	Set at			
Casing Size 4.5		Weig 10.5		Internal Diameter 4.052		Set at 5213		Perforations 3340		то 4954		
Tubing Size 2.375		Weig 4.7	ht	Internal Diameter 1.995		Set at 4841		Perforations None		To None		
Type Completion (		(Describe)	26)	Type Flui Dry Ga	d Production	l		Pump Unit or Traveling		Plunger? Yes / No		
Producing	g Thru 🖣	Aphulus / Tubi	ng)		arbon Dioxi	de		% Nitrog	jen	Gas Gr	avity - G	9
Annulus Vertical E					Pres	sure Taps				(Meter F	Run) (Pro	over) Size
Pressure	Buildup	: Shut in 07	7/31 2	0 14 at 8	:15 AM	(AM) (PM)	Taken_08	3/01	20	14 <sub>at</sub> 8:15 A	M	AM) (PM)
Well on L										at		AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_24	Hours
Static / Orifice Dynamic Size		Prover Pres	Differential		Well Head Temperature	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>a</sub> )		Tubing Wellhead Pressure (P, ) or (P, ) or (Pc)		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inche	s) psig (Pm	) Inches H <sub>2</sub> 0	t	t	psig	psia	psig	psia	. ,	1	
Shut-in						10		5		-		
Flow							_					
			<del></del>	· <del>-  </del>	FLOW STR	REAM ATTR	IBUTES		••	<del></del>		-
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia  Prover Pressure		Gravity Factor F <sub>a</sub>		Temperature Fa		viation Metered Flov actor R F <sub>pv</sub> (Mcfd)		v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>
												,
(P <sub>c</sub> ) <sup>2</sup> =		_: (P <sub>w</sub> ) <sup>2</sup>	=:	(OPEN FL	OW) (DELIV		) CALCUL <sup>2</sup> , - 14.4) +		;	(P <sub>a</sub> )	2 = 0.20 2 =	)7 
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>2</sub> -P <sub>w</sub> <sup>2</sup>	Slo	ssure Curve pe = "n" - or signed ard Slope		LOG	Antilog	Deliv Equals	en Flow verability R x Antilog Mcfd)
			divided by: P <sub>c</sub> <sup>2</sup> -P <sub>w</sub>		<u> </u>	Gtarlo	<del></del>				<u> </u>	· · · · · · · · · · · · · · · · · · ·
Open Flo	OV <b>V</b>		Mcfd @ 14.	.65 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia	
The	undersi	gned authority,	on behalf of the	Company,	states that h	ne is duly a			•	ort and that he ha		-
the facts s	stated th	erein, and that	said report is tru		Rec	eived	Λ	day of _	an Yan		, 2	o <u>15                                    </u>
		Witness	(if any)	IV-III	SAS CORPORA APR n	9 2015	POIUN MINIS	WWA "	For	Company		
		For Con	nmission		CONSERVATI	ON DIVISION	 I		Che	cked by		
		1			WICH	TA, KS	•					

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Empire Energy E & P LLC and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. 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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.  Date: 04/07/2015
Received  KANSAS CORPORATION COMMISSION  APR 0 9 2015  CONSERVATION DIVISION  WICHITA, KS  Signature: Anlway M. Jasoy  District Manager

## 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.