KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test:				(See Instrud	ctions on R	everse Side))					
Open Flow				Test Date:				ΔDI	No. 15				
Deliverabilty				08/01/2014				API No. 15 033-01000-00-01					
Company Empire Ene	ergy E	& P LLC				Lease Bryant				2	Well Nu	mber	
County Location Comanche SW SW SE				Section 32	_	TWP 33			RNG (E/W) 17W		Acres Attributed 160		
Field Beals				Reservoir Stottler				Gas Gathering Connection Empire Energy E & P LLC					
Completion Date 6/18/1984				Plug Back Total Depth 3350			·	Packer S None					
Casing Size Weight 4.5 10.5			t	Internal E 4.052	Diameter	Set at 3789		Perforations 3333		то 3341			
Tubing Size Weight 2.375 4.7			t	Internal D	Diameter		Set at 3336		Perforations N/A		To N/A		
Type Completion (Describe) Single				Type Fluid Production Dry Gas					it or Traveling				
	hru (An	nulus / Tubing	3)	-	arbon Diox	xide		% Nitroge	 en	Gas Gr	avity - (∋,	
Tubing Vertical Dep	+h/∐\				B _{ro} .	ssure Taps				/Motor I	\ /D	rover) Size	
vertical Dep	шцпу				rie:	ssure raps				(Merei 1	nuri) (P	iover) Size	
Pressure Bu	ildup:	Shut in07/3	31 20	14 at 8	MA 00	_ (AM) (PM) Taken 08	3/01	20	14 at 8:00 A	М((AM) (PM)	
Well on Line	:	Started	20) at		_ (AM) (PM) Taken		20	at	((AM) (PM)	
					OBSERV	ED SURFA	CE DATA			Duration of Shut-	in_24	Hours	
Static / Orifice Dynamic Size Property (inches		Circle one: Meter Prover Pressu		Flowing Well He Temperature Tempera t t		Wellhead Pressure (P_w) or (P_1) or (P_0)		Tubing Wellhead Pressure (P_w) or (P_1) or (P_a)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In		psig (Pm)	Inches H ₂ 0			psig	psia	psig 20	psia		-		
Flow		_											
					FLOW ST	REAM ATT	RIBUTES	- 7-		·			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension ✓ P _m x h		Gravity Factor F _g		Flowing Temperature Factor F ₁₁		eviation Metered Flor Factor R F _{pv} (Mcfd)		y GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				(OPEN FLO	OW) (DELI	VERABILIT	Y) CALCUL	ATIONS		(0.)	2 00		
(P _c) ² =	:	(P _w) ² =		P _a =			(P _c - 14.4) +		::	(P _d)	2 = 0.2 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		P _c) ² - (P _w) ²	Choose farmula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1, or 2. and divide by:	P _c ² -P _w ²	SI 	Backpressure Curve Slope = "n" or Assigned Standard Slope		.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Ones Flave			M-61 @ 11	SE varia		Deliver	. L. U.S.						
Open Flow	da vaiana	d authority or	Mcfd @ 14.	_	states that	Delivers	- '			Mcfd @ 14.65 ps			
	_	•	aid report is true	• •		•		day of A	•	rt and that he ha		20 <u>15</u> .	
		,			Rec	eived ATION COMMI		Turd 4	W. Jan	u/	,		
		Witness (if	f any)			9 2015	-	-0-01	For	ompany			
		For Comm	ission	C		ION DIVISIO	V		Chec	cked by			

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 #2
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.
stail as necessary to corroborate this claim for exemption from testing.
Date: 04/07/2015
Date. 4407/2010
at land
Received KANSAS CORPORATION COMMISSION Signature: HUWW W. Jacky APR 0 9 2015 Title: District Office Managery
APR 0 9 2015 Title: District Office Manager
CONSERVATION DIVISION WICHITA, KS
MICHIW VO

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.