KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	• • • • • • • • • • • • • • • • • • • •		(See Instruct	ions on Rev	erse Side)						
Open Flo			Test Date	: .			Α̈́PI	No. 15					
Deliverab	pilty	·	5/23/201					033-2070	02-00	101			
Company Empire Energ	y E & P LLC				Lease Bryant	•				3	Well Nu	ımber	
County Location Comanche W/2 W/2 SE		Section 32 .		TWP 33		RNG (E/W). 17W			Ac 16		Attributed		
ield eals			Reservoir Ft. Scott, Pawnee, Altamont, Stottler A			ttler A	Gas Gathering Connection Empire Energy E & P LLC						
Completion Date 1/22/1987			Plug Bac 5002	< Total Dept	th ·	Packer Set at 4841							
Casing Size Weight .5 10.5		Internal Diameter 4.052		Set at		Perforations 3340			то 4954				
Tubing Size 2.375			Internal Diameter 1.995		Set at 48 41		Perforations None			To None			
Type Completion (Describe) Cased Hole/Perforation/Gas			Type Flui Dry	Type Fluid Production Dry			Pump Unit or Traveling Plunger? Yes / No						
Producing Thru Annulus/Tub	(Annulus / Tubir	ng)	% C	arbon Dioxi	de		% Nitrog	en		Gas Gr	avity -	G _g	
Vertical Depth(F				Pres	sure Taps			·		(Meter I	Run) (P	Prover) Size	
Pressure Buildu	up: Shut in	19 2	0_12_at_9	43	(AM) (PM)	Taken_5/	20		20 12	9:43		(AM) (PM)	
Well on Line:	Started	20) at		(AM) (PM)	Taken			20	_ at	<u>. </u>	(AM) (PM)	
				OBSERVE	D SURFACI	E DATA			Dui	ration of Shut-	in_24	Hours	
Dynamic Siz	amic Size Meter Differential .		Flowing Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	psig (Pm)	Inches H ₂ 0			psig 2	psia	psig 2	psia		· · · · · ·	-		
Flow	,											,	
				FLOW STR	REAM ATTR	IBUTES							
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$		Gravity Factor F _g		Factor Fac		riation Metered Flow			w GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m		
				1								·	
P _c) ² =	: (P _w) ² :	=:	(OPEN FLO	, ,	' ERABILITY % (F) CALCUL P _c - 14.4) +		:		(P _a)	$0.2^2 = 0.2^2$	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ²	Choose formula 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	P _c ² -P _w ²	Slop	ssure Curve be = "n" - or signed ard Slope	n x	LOG		Antilog	De	pen Flow diverability s R x Antilog (Mcfd)	
											-	,	
Onna 51			GE nois		Ď alta ca mail			•	h4=*		io.		
Open Flow		Mcfd @ 14.			Deliverab					d @ 14.65 ps			
	signed authority, of therein, and that s	said report is true			•				report a	hing	RECORPO	20 13 ECEIVED DRATION COM	
	For Com	mission	y		_		•		Checked	by	OCT	0 9 2013	
	FOI COIII			•					SHOUNDU	, C	ONSER W	vation divis Ichita, K8	

	jury under the laws of the state of Kansas that I am authorized to request 2-3-304 on behalf of the operator Empire Energy E & P LLC
	iformation and statements contained on this application form are true and
	e and belief based upon available production summaries and lease records
	on type of completion or upon use being made of the gas well herein named.
•	
	remption from open flow testing for the Bryant #3
gas well on the grounds that said v	veii:
(Check one)	
· ·	ethane producer
	inger lift due to water
	atural gas for injection into an oil reservoir undergoing ER
	t the present time; KCC approval Docket No.
is not capable t	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
.,,,	this claim for exemption from testing.
stall as necessary to corroborate t	ins claim for exemption nom testing.
•	
Date: 10/3/2013	
	J.A. Farthing
	Signature:
	Operations Manager
	Title: Operations Manager
	Title: _Operations 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 FCRIVED STATION COMMISSION signed and dated on the front side as though it was a verified report of annual test results.