KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruci	tions on Reve	erse Side)				
✓ Open Flow				Test Date:				۸.01	No. 15				
Deliverabilty				08/01/2014				-20869-00 - 0	0				
Company Empire Energy E & P LLC						Lease Reynolds	,			1	Well Number		
County	he		Location C SE S		Section 19		TWP 32S		RNG (E/W) 19W			Acres Attribute	t
Field Green				Reservoir Mississipian				Gas Gat Onek	nering Conne	ection			
Completion 1/29/199		e			Plug Bac 5700	k Total Dept	th	Packer Set at None					_
Casing S 5.5	ize	Weight 15.5#			Internal Diameter 4.950		Set at 6259		Perforations 5088		To 5130		
Tubing S	ize		Weigh	1	Internal Diameter		Set at		Perforations		To FCD4		_
2.875		· (D	6.5#		2.441 Type Fluid Productio			5516 5501			5504 sling Plunger? Yes / No		
Type Completion (De Single Gas					Dry Ga	as		NO					
Producing Thru (Annulus / Tubing))	% Carbon Dioxide				% Nitrog	en	Gas Gra	Gas Gravity - G	
Vertical E	Pepth(H	I)				Pres	sure Taps				(Meter F	Run) (Prover) S	ze
Pressure	Buildu	p: Sh	out in 07/3	31 2	0_14_at_1	0:00 AM	(AM) (PM)	aken 08	3/01	20	15 at 10:00 A	AM (AM) (PA	1)
Well on L	.ine:	Sta	arted	2	0 at	_	(AM) (PM) 1	Taken		20	at	(AM) (PN	1)
	<u>-</u>			<u>-</u>		OBSERVE	D SURFACE		1 -		Duration of Shut-	inH	ours
Static / Dynamic Property	Dynamic Size		Circle one: Meter rover Pressu psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produci (Barrels)	∌d
Shut-In							135	рыа	parg	рзіа			
Flow													
[-				•	FLOW STR	REAM ATTRIE	BUTES					\neg
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Gravity Factor F _g		Temperature Fac		riation Metered Flow Inctor R F _{pv} (Mcfd)		(Cubic Feet/		ng I ty
(P _c) ² =		_:	(P _w) ² =	:	(OPEN FL		ERABILITY) % (٩٫		ATIONS 14.4 ⊭	:	(P _a) [;] (P _d) [;]	2 = 0.207 2 =	
$(P_o)^2 - (P_a)^2$ 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. $P_c^2 - P_c^2$ divided by: $P_c^2 - P_a^2$	P ² -P ² LOG of formula 1. or 2. and divide P ² -P ² and divide P ² -P ²		Backpressure Curve) a x 10G		Antilog	Open Flow Deliverabilit Equals R x An (Mcfd)	• 1
Open Flo				Mcfd @ 14.	65 neie		Deliverabil	itu			Mcfd @ 14.65 psi	a	
					•								_
		-	-	n behalf of the aid report is true	, ,		· _		o make th day of <u>A</u>	•	rt and that he ha	s knowledge o _{, 20} _15	f
			J	report to true		Recoi		BI	Junt	W. In	res/	,	
-			Witness (i	any)		APR 0.9		<u> </u>	, [A	For C	Company		
			For Comm	ission		<u> </u>	_ ผมก			Chec	cked by		

CONSERVATION DIVISION WICHITA, KS

•	ty of perjury under the laws of the state of Kansas that I am authorized to request K.A.R. 82-3-304 on behalf of the operator Empire Energy E & P LLC
and that the foregoing pre correct to the best of my kr	essure information and statements contained on this application form are true and nowledge and belief based upon available production summaries and lease records
I hereby request a one	nd/or upon type of completion or upon use being made of the gas well herein namedyear exemption from open flow testing for the Reynolds #1
gas well on the grounds th	at said well:
is cycle is a sou is on va is not c I further agree to supp	albed methane producer and on plunger lift due to water arce of natural gas for injection into an oil reservoir undergoing ER acuum at the present time; KCC approval Docket No apable of producing at a daily rate in excess of 250 mcf/D also to the best of my ability any and all supporting documents deemed by Commission oborate this claim for exemption from testing.
Receive kansas corporation APR 0 9 conservation wichita,	2015 Title: District Manager Division

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.