KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			(See Instruct	ions on Rev	erse Side)					
Ор	en Flow			Test Date	.			API	No. 15				
✓ Del	iverabilty			02/22/20				023	3-20916 - 	00.00			
Company Petrolet		elopment Co	rp			_{Lease} Maifeld				22-5	Well Number		
County Location Cheyenne SESENW			Section 5				RNG (E/W) 40W		Acres Attributed 160		ited		
Field Reservoir Cherry Creek Niobrara				Gas Gathering C PDC Drury G									
Completion Date Plug Back Total 03/11/2008 1554'			k Total Dept	h		Packer Set at n/a							
Casing Si 1.5"	ze	Weight 10.5#		Internal Diameter 4"		Set at 1575'		Perforations 1402'		то 1414'			
Tubing Si 2.375"	ZΘ	Weight 4.75#		Internal Diameter 2"		Set at 1425'		Perforations		То			
Type Com V2 Frac	npletion (C	Describe)		Type Flui Brine V	d Production Vater	1		Pump Ur Yes, F		Plunger? Yes	/ No		
Producing	•	nnulus / Tubing)		% C	arbon Dioxid			% Nitrog <1%	en	Gas Gravity - G _g			
Vertical D	ertical Depth(H)				Press	ssure Taps				(Meter Run) (Prover) Size			
	Buildup:	Shut in02/2	1 2	0_12_at_9	:30am	(AM) (PM)	Taken 02	2/22	20	12 at 10:48a	im (AM)	 (PM)	
Well on Li	ine:	Started	2	0 at		(AM) (PM)	Taken		20	at	(AM)	PM)	
	•				OBSERVE	D SURFACE	DATA			Duration of Shut-	_{in_} 24	_Hour	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure	1	lemperature lemperatu		Casi Wellhead I (P _#) or (P _i	Pressure	(P_w) or (P_i) or (P_c)		Ouration (Hours)	1 '	Liquid Produced (Barrels)	
Shut-in		psig (Pm)	Inches H ₂ 0			psig 105	psia	psig	psia				
Flow													
<u> </u>					FLOW STR	EAM ATTRI	BUTES		•				
Plate Coeffieci (F _b) (F _c Mcfd	ent p) Pr	Circle one: Meter or rover Pressure psia	Press Extension ✓ P _m xh	Grav Fac F _c	tor Temperature		Deviation Factor F _{pv}		Metered Flor R (Mcfd)	W GOR (Cubic Fe Barrel)	et/ F	owing luid avity G _. ,	
				(ODEN EL	090 (BELIM	EDADU (TV)	CALCUL	ATIONS					
P _c) ² =	<u>:</u>	(P _w) ² =_	:	P _d =	OW) (DELIV		- 14.4) +		<u></u> :	(P _a)՝ (P _a)	? = 0.207 ? =		
(P _e) ² - (F or (P _e) ² - (F	"	(P _o) ² - (P _m) ²	1. P _e ² - P _e ² 2. P _e ² - P _e ² wided by: P _e ² - P _e ²	. P? LOG of formula . P? 1 or 2. and divide P2. P?		Backpressure Cur Slope = "n" 		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)		
									ı				
Open Flov	L w		Mcfd @ 14.	65 psia	· · · · · · · · · · · · · · · · · · ·	Deliverabi	ility			Mcfd @ 14.65 psi	a		
·		ed authority on		· ·	states that he		<u> </u>	o make th		ort and that he ha		of	
	•	ein, and that said				•		day of A	•	who that he he	20 <u>1</u>		
		Witness (if a	nny)			_	\mathcal{L}	udi	ch (Truit		RE	
		·				_	0				/	\PD	
		For Commis	se/ti						Cho	cked by	KC	C	

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records llation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Maifeld 22-5
(Check	ounds that said well: 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
	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 04/17/2012	
	Signature: Judith Fruitt Title: Sr. Engineering Tech

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.