KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					('See Ins	truct	ions on Re	verse Side	9)					
Open Flow					Test Date	Test Date: API No. 15										
LZE Dolivorobity						02/28/2012				023-20713 - 00 - 00						
Company Petrole		eve	lopment (Corp	р				Lease Gema	ehlich			33-18	Well Ni 3	umber	
County Cheyer	ne		Location SENWSE			Section 18				TWP R		:/W)		Acres Attributed 160		
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Connec PDC Eureka Gathe								
Completion Date 05/10/2007						Plug Bac 1663'	Plug Back Total Depth 1663'			h Packer Set at n/a						
Casing S 4.5"	ize		Weight 10.5#			Internal (Internal Diameter 4"			Set at 1686'		orations 33'	To 1545'			
Tubing S 2.375"	ize		Weight 4.75#		Internal [2"		Diameter		Set at 1570'			orations	То			
Type Con		n (De	escribe)	<u>-</u>		Type Flui Brine \		ıctior			Pump U Yes, f	nit or Traveling	Plunger? Yes	/ No		
Producing Thru (Annulus / Tubing) Annulus				% C	% Carbon Dioxide						Gas Gravity - G _g					
Vertical D		()					F	Press	sure Taps				(Meter	Run) (F	rover) Size	
1729'						46 1	0.45						40 4: 55			
Pressure	Buildu	p:	Shut in	8	2	0_12_at_1	0.15ar	m —	(AM) (PM)	Taken_02	2/29	20	12 at 11:02	am	(AM) (PM)	
Well on L	ine:		Started		2	0 at			(AM) (PM)	Taken		20	at		(AM) (PM)	
							OBSE	RVE	D SURFAC	E DATA			Duration of Shut	_{-in_} 24	Hours	
Static / Dynamic Property	Orifi Siz (inch	е	Circle one. Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature : t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Wellho (P _w) o	Tubing ead Pressure or (P ₁) or (P ₂)	Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			poig (i m)	\dashv	mendo 17 ₂ 0	•••			psig 68	psia	psig	psia				
Flow																
							FLOW	STR	EAM ATTR	IBUTES		, <u>.</u>				
Plate Coefficement (F _b) (F _p) Modd		Circle one: Meter or Prover Pressure psia			Press Extension Pmxh	Fac	Gravity Factor F ₀		Flowing emperature Factor F _I ,	Fa	riation actor pv	Metered Flov R (Mcfd)	GOR (Cubic Fo		Flowing Fluid Gravity G _m	
·																
			(B. 18			-	OW) (DE		ERABILITY	•			-) ² = 0.2	207	
P _c)* =	ī	<u>-:</u>	(P _w) ² =	_	se formula 1 or 2:	P _d =		<u> </u>	1	P _c - 14.4) +		 :	(P _e) ² =		
(P _e) ² - (F or (P _o) ² - (F		(P _p) ² - (P _w) ²		 P_c² - P_c² P_c² - P_d² dMded by: P_c² - P_d² 		LOG of formula 1 or 2. and divide by:	P.2- P.	2	Backpressure Curve Slope = "n" Assigned Standard Slope		l n x	rog	Antilog	De Equal	Open Flow Deliverability Equals R x Antilog (Mcfd)	
													,			
^ F1														<u> </u>		
Open Flor					Mcfd @ 14.	,			Deliverat				Mcfd @ 14.65 ps			
			d authority, on, and that s								o make ti day of <u>A</u>		rt and that he h		viedge of	
			wire tireit U			2 301130						dith	Pe		BEC FIN	
			Witness	if any	j			_	-		1	For C	отролу	4	ADD a	
			For Corns	T=35101	n			_	-			Chec	ked by	1	APR 24	

exempt status und and that the forego- correct to the besi of equipment insta I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corppoing 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 allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Gemaehlich 33-18 bounds that said well:
(Check	
staff as necessary Date: 04/17/2012	to corroborate this claim for exemption from testing.
	Signature: Judith Fruit Title: St. 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.