KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

		ONE	POINT	ST						LIVE	RABILIT	Y TEST	ļ	RECEIVED
Type Test:					(3	See Instr	uctions on I	Reverse Sid	le)				1	UL 1920
Open Flow				Test Date:				API No. 15				J	UL 1 5 20	
Deliverabilty			01/18/2010				023-20719 0000				-KC	KCC WICHI		
Company Petroleu		elopment	Corp				Lease Klie-	eikert				14-		ABRIDER OF 11
County Cheyen	ne		Location SESWSW			Section 8			RNG (E/W) 41W		V)	Ac 16		Attributed
Field Cherry Creek			Reservoir Niobrara				Gas Gathering Connection PDC Eureka Gathering							
ompletio 5/11/20					Plug Back	k Total D	epth		Packer Set at n/a					
Casing Size Weight 10.5#				Internal D	Diameter	Se 17	Set at Perforation 1706 1538				то 155	50 '		
Tubing Size Weight 2.375" 4.75#			Internal D	Diameter		Set at 1580 '			ations	То				
Type Completion (Describe) N2 Fracture			Type Fluid Production Brine Water				Pump Unit or Traveling Plunger? Yes Yes, PU				es / No)		
Producing Thru (Annulus / Tubing) Annulus				% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g			
Vertical D					~170	Pi	ressure Taps			1 70		(Me	ter Run)	(Prover) Size
Pressure	Buildup:	Shut in 0	1/18	20	10 _{at} 9:	45am	(AM) (PI	vi) Taken ()1/19)	20	10 at 10:3	38am	(AM) (PM)
Vell on Li	•						, , ,	•				at		_ (AM) (PM)
						OBSER	VED SURFA	ACE DATA				Duration of S	hut-in_2	4 Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one Meter Prover Pres	Differer	Pressure Differential in Inches H ₂ 0 Flowing Temperature t		t (P _w) or (P _i) or		ad Pressure (P ₁) or (P _c)	$(P_w) \text{ or } (P_1) \text{ or } (P_c)$		Duration (Hours)		quid Produced (Barrels)	
Shut-In		psig (Pr	i) littles	1120		:	75	psia	-	psig	psia			
Flow														
						FLOW S	TREAM AT	TRIBUTES					· · · · · · · · · · · · · · · · · · ·	
Plate Coeffieci (F _b) (F _p Mcfd	ent ,) F	Circle one: Meter or Prover Pressure psia	Extens	Press Extension ✓ P _m x h		Gravity Factor F _g		Temperature Fac		riation Metered Flow actor R F _{pv} (Mcfd)		(Cubi	OR c Feet/ rrel)	Flowing Fluid Gravity G _m
				(OPEN FLO	OW) (DEI	LIVERABILI	TY) CALCU	LATIC	ONS			(P _a) ² = 0	0.207
P _c) ² =		(P _w) ²	=		P _d =		%	(P _c - 14.4)	+ 14.4	4 =	:	1	(P _d) ² =	
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w) ² 1.		pose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divide by: led by: $P_c^2 - P_w^2$		P2-P2		ckpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	0	Open Flow Deliverability als R x Antilog (Mcfd)
									$\overline{\bot}$					
nen Ele			Mcfd @	14.6	5 neia		Delive	rability				Mcfd @ 14.65	o psia	
	ındersigr	ned authority,	on behalf of	the C	Company, s		t he is duly	authorized		ake the		ort and that he		owledge of
e iduis si	iaieu ine	ieni, anu mat	salu reputi l	, iiue	and collect			***************************************		_				. , ==
		Witnes	s (if any)	-			_		1	124	flll	Company		

For Commission

Checked by

HH 1.0 2010

KCC WICHITA

l de alono condo	where the control of the control of the control of Manager that I am outhorized to request						
	r 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						
• •	lation and/or upon type of completion or upon use being made of the gas well herein named. st a one-year exemption from open flow testing for the Klie-Feikert 14-8						
	unds that said well:						
jas well on the gro	unds 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						
\checkmark	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 Commissio						
staff as necessary	to corroborate this claim for exemption from testing.						
Date: 07/13/2010							
Jaile.							
	Signature:						
	Title: Area Supervisor						

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.