KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	łow			('See Instruc	tions on Re	verse Side	9)				
✓ Deliverabilty				Test Date 02/28/2			API No. 15 023-20714- 🗢					
Company Petroleum Development Corp					Lease Gemaehlich			Well Number 34-18				
County Location Cheyenne NWSWSE				Section 18		TWP 2S			M)		Acres Attributed 160	
Field Cherry Creek				Reservoi Niobra				Gas Gathering (PDC Eureka			·	
Completion Date 05/29/2007				Plug Bac 1705'	k Total Dep	łh			Packer Set at n/a			
Casing Size Weight 4.5" 10.5#				internal (4"	Diameter		Set at 1723'		orations 60'	то 1572'		
Tubing Size Weight 2.375" 4.75#				Internal (2"	Diameter		Set at 1599'		orations	То		
Type Completion (Describe) N2 Fracture				Type Flui Brine \	d Productio Vater	n	Pump Unit or Tra Yes, PU			eling Plunger? Yes / No		
Producing Thru (Annulus / Tubing) Annulus				% C <1%	arbon Diox	ide	e % Nitro <1%		gen Gas Gr		ravity - G _e	
Vertical Depth(H) Pressure Tap 1725'										(Meter	Run) (Prover) S	ize
Pressure Build	Jup:	Shut in _02/	/28	0_12 at_9	:00am	(AM) (PM)	Taken_2/	29	20	12 _{at} 9:34ar	m (AM) (PA	A)
Well on Line:				0 at		(AM) (PM)	Taken		20	at	(AM) (PN	A)
		Circle one:			OBSERVE	D SURFACI	E DATA			Duration of Shut-	-in_24H	ours
Dynamic S	lynamic Size		Pressure Differential ure in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _v) or (P	Pressure ,) or (P _e)	Tubing Welthead Pressure (P _*) or (P _t) or (P _c) poig poia		Duration (Hours)	Liquid Produce (Barrels)	∌d
Shut-In		psig (Pm)				73	psia	psig	psia			\dashv
Flow												
					FLOW STE	REAM ATTR	BUTES		,	<u> </u>		
Plate Coefficient (F _b) (F _p) Mcfd	Pro	Circle one: Meter or ver Pressure psia	Press Extension	Extension Fact		tor Temperature		Deviation Factor F _{pv}		GOR (Cubic Fe Barrel)	I Grount	ı l
				(OBEN EL	DW (DELIV	/ERABILITY	CAL CIII	ATIONS				
(P _c) ⁹ =	<u></u> :	(P _w) ² =		P _a =	, ,	') CALCUL) _c - 14.4) +		:	(P _a)) ² = 0.207 ² =	
$(P_{o})^{2} \cdot (P_{a})^{2}$ or $(P_{c})^{2} \cdot (P_{d})^{2}$	(F	°,)²- (P_)²	1. P _c ² - P _d ² 2. P _c ² - P _d ² divided by: P _c ² - P _d ²	LOG of formula 1 or 2.		Slop	essure Curve ope = "n" n x or ssigned dard Slope		roe	Antilog	Open Flow Deliverability Equals R x Ant (McId)	
Open Flow		<u> </u>	Mcfd @ 14.	•		Deliverab				//cfd @ 14.65 ps		—
			n behalf of the					o make the day of A	. /	t and that he ha	as knowledge of .20 12 REC	
		Witness (ut cany)			-	7	fua		property	APR 2	2 4
		For Comm	reseron		· · ·	-		· · · · · · · · · · · · · · · · · · ·	Check	red by	KCC W	 /ICI

	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
correct to the best of equipment insta I hereby reque	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 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
_	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 is not capable of producing at a daily rate in excess of 250 mcf/D 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: <u>04/17/2012</u>	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.