KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:						(See In:	struct	ions on Re	verse Sid	e)					
	en Flo	w				-										
✓ Deliverability					Test Date: 03/07/2012				API No. 15 023-20290-00-00							
Company		eve	elopment (Cor	ъ Тр		-		Lease Viola						Number	
County Cheyer	ne		Location NWNWSE			Section 17						RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek				Reservoi Niobra				Gas Gathering Conne PDC Eureka Gath								
Completion Date 12/19/1990						Plug Bac 1645'	Plug Back Total Depth 1645'			Packer Set at n/a						
Casing Size 4.5"			Weight 10.5#			Internal Diameter 4"			Set at 1695'			Perforations 1504'		то 1536'		
Tubing S 2.375"	ize		Weight 4.75#		Internal 2"		Diameter		Set at 1555'		Perfo	Perforations		То		
Type Completion (Describe) N2 Fracture				Type Flui Brine \		uction				Plunger? Yes / No						
	(An	nulus / Tubir	ilus / Tubing)			% Carbon Dioxid			le %		6 Nitrogen		Gas Gravity - G _g			
Annuius Vertical Depth(H)			<u> </u>		Press	sure Taps	<1%			(Meter Run) (Prover) Size						
1748'		•							·- ·				, tree		1	
Pressure	Buildu	p:	Shut in 03	/07	2	0 12 at 1	1:45a	m_	(AM) (PM)	Taken_0	3/08	20	12 at 11:	55am	_ (AM) (PM)	
Well on L	.ine;		Started		2	0 at			(AM) (PM)	Taken		20	at		_ (AM) (PM)	
							OBSE	RVE	D SURFAC				Duration of S	Shut-in _2	4 Hours	
Static / Dynamic Property	namic Size		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 _a)		Wellhe	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Li	Liquid Produced (Barrels)	
Shut-In			, , , , , , , , , , , , , , , , , , ,						185	psia	psig	psia				
Flow																
				1			FLOW	STR	EAM ATTR	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd			Circle one: Meter or Prover Pressure psia		Press Extension	Gravity Factor F _a		T	Flowing emperature Factor F _n	Fa	riation actor _{pv}	Metered Flow R (Mcfd)	(Cub	GOR ic Feet/ arrel)	Flowing Fluid Gravity G _m	
							··	٠,								
(P _c) ² =			(P _w)² :	_	•	(OPEN FLO	OW) (DI			') CALCUL P _c - 14.4) +		_		$(P_a)^2 = (P_a)^2 = (P_a$).207	
(P _a) ² - (I	P ₄) ²	_ · (F)²- (P_)²	Cho	ose formula 1 or 2: 1. P ₂ · P ₂ 2. P ₂ · P _d 2. P ₂ · P _d	LOG of tormuta 1. or 2. and divide	P ₆ 2. P		Backpre Slo As	essure Curve pe = "n" - or signed		rog	Antilog		Open Flow Deliverability als R x Antilog (Mcfd)	
				ana	fed by: Par Par	by:	<u> </u>	<u> </u>	Statio	lard Slope			 .	+		
													.			
Open Flow Mcfd @ 14.65 psia						Deliverability N			Acid © 14.65 psia							
					ehalf of the							ne above repo pril	rt and that h	e has kno		
ne idula S	iaibū (l	(81B)	n, and mai s	alU	eport is true	and Coffec	ı. EXƏC	Denn	aus (n e	·	day of A	. 1	<i>?</i> :-		, 20 <u>12</u> . DECENTER	
			Witness	(if eny	<u>r)</u>			_	-	$\overline{}$	ps as	For C	Service Company			
			For Com	nissio	on			_	-			Chec	ked by		1PR 2 4 2 0	

exempts and that correct to of equipn I here	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. eby request a one-year exemption from open flow testing for the Viola 17-10-1
gas well	on the grounds that said well:
l furtl	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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commissio
	necessary to corroborate this claim for exemption from testing.
Date: <u>04</u>	Signature: Judith Pruitt
	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.