KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					6	See Inst	ructi	ons on Rev	verse Side)							
✓ Op	en Flov	٧				Tool Date						ADI N	a 15					
Deliverabilty					Test Date 12/23/10				API No. 15 15-175-21979-0000									
Company Eagle Creek Corporation								Lease Geisinge							Well Number 4-11			
County Location Seward S/2 S/2 NW				Section 11				TWP 5)			Attributed				
Field Thirty-One East						Reservoir Chester				Gas Gathering Conne DCP Midstream					ì			
Completion Date 11/5/2008					Plug Bac 5600	Plug Back Total Depth 5600			Packer Set at 5467			at						
Casing Size Weight 4.5" 10.5 #									Set a 5812					то 54 95'				
Tubing Size Weight 2.375" 4.7#				Internal Diameter 1.995"			Set at 5460'			Perforations Open Ended			То					
Type Completion (Describe) Single Gas					Type Flui Water/			Pump Unit or Travele No			or Traveling							
Producing Thru (Annulus / Tubing)							arbon D	ioxid				Nitrogen			Gas Gravity - G			
Tubing					.245				8.165				.683					
Vertical Depth(H) 5484'							ure Taps J e	Taps					(Meter Rum) (Prover) Size 2.067					
				09 at 9		•		AM) (PM) Taken_9/27				09 at 9:00		((AM) (PM)			
Well on Line: Started 9/27				20	0 <u>09</u> at <u>9</u>	:00		(M)(PM)	M) PM) Taken 9/28			20		09 at 9:00		(M)(PM)		
							OBSE	RVE	SURFACI	E DATA				Dura	tion of Shut-	in 24	Hours	
Static / Orlfice Dynamic Size Property (inches			Prover Pressu		Pressure Oifferential in	Flowing Temperature			Wellhead	Casing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Tubing Wellhead Pressure (P_) or (P_) or (P_)		Duration (Hours)		Liquid Produced (Barrels)		
		es}			Inches H ₂ 0	t	t		psig	psia		psig psia						
Shut-In	4.00				4.0	74	60		0	14.4	-	55 	769.4	24				
Flow 1.00			55		4.0	/4	74 60		0	14.4			119.4 2		24		0	
 	1			т-			FLOW	STR	EAM ATTR	IBUTES					• •		1	
Plate Coefficeient (F _b) (F _a) Mcfd			Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Fac	Gravity Factor F _g		Flowing emperature Factor F _{II}	Fa	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		v GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
5.07	5.07 69		9.4		16.66	1.21	1.21		368	1.000	1.000		100.92		0		.683	
P _c) ² = 5	91.98	3 .	(P_)²:	_ 1	14.26 _:		OW) (DE 84.48		E RABILITY 6 (F) CALCUL 14.4) +			;		(P _a) (P _d)	2 = 0.2 2 =	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$			(P _e) ² - (P _a) ²		2. P _c ² - P _d ² ded by: P _c ² - P _d ²	LOG of tomula 1. or 2. and divide	LOG of formula 1. or 2.		Backpre Sloj As:	ssure Curve pe = "n" -or signed and Slope	gned		n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
591.77		57	577.72		.024	.01			.874		.00		9		1.02		103	
	ŀ								l .									
Open Flo	w 156	5			Mcfd @ 14.	65 psia			Deliverab	ility				Mcfd	Q 14.65 ps	ia		
The	undersi	ignec	authority,	on b	ehalf of the	Company,	states th	at he	e is duly au				•	ort an	d that he ha	as knov	vledge of	
e facts s	tated th	herei	n, and that s	said	report is true	and correc	t. Exec	uted	this the 2	7	day	of De	cember	J-		······································	20 10	
····-			Witness	(if an	y)			_	-			لسر	Far	Code	ry		RECEIV	
			For Com	missi	on		· , ·	-	_				Che	icked by	,			
																	DEC 29	

KCC WICHITA

exempt status under Rule K.A.R. 82-3 and that the foregoing pressure infor correct to the best of my knowledge a of equipment installation and/or upon	y under the laws of the state of Kansas that I am authorized to request -304 on behalf of the operator Eagle Creek Corporaton mation and statements contained on this application form are true and and belief based upon available production summaries and lease records type of completion or upon use being made of the gas well herein named. Inption from open flow testing for the Geisinger 4-11
is a source of nate is on vacuum at the is not capable of	ger lift due to water ural gas for injection into an oil reservoir undergoing ER ne present time; KCC approval Docket No producing at a daily rate in excess of 250 mcf/D nest of my ability any and all supporting documents deemed by Commission
	Signature:

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 **1S** 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.