

KANSAS CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

7604
FORM G-1
8-7-58

TYPE TEST: ☒ Initial ☐ Annual ☐ Special		TEST DATE: 6/22/05	
COMPANY Eagle Creek		LEASE Geisinger	
WELL NO. 4-11			
COUNTY Seward	LOCATION S/2 S/2 NW	SECTION 11 31s 31w	TWP RNG ACRES
FIELD Thirty One	RESERVOIR Pawnee Lime	PIPELINE CONNECTION	
COMPLETION DATE 6/16/05	PLUG BACK DEPTH 5772	PACKER SET AT	
CASING SIZE 4.500	WT. 10.500	ID 4.052	SET AT 5775
			PERF. 5056
			TO 5059
TUBING SIZE 2.375	WT. 4.700	ID 5056.000	SET AT
			PERF.
			TO
TYPE COMPLETION (Describe) Acid		TYPE FLUID PRODUCTION	
PRODUCING THRU (Annulus/Tubing) tubing		RESERVOIR TEMPERATURE F 120	
		BAR PRESS - Pa 14.4 psia	
GAS GRAVITY - Gg .718	% CARBON DIOXIDE .031	% NITROGEN 16.472	API GRAVITY OF LIQUID
VERTICAL DEPTH (H) 5058	TYPE METER CONN.		PROVER SIZE 2"
REMARKS			

OBSERVED SURFACE DATA

RATE NO.	ORIFICE SIZE in.	(PROVER) PRESSURE psig	DIFF. (h _w) (h _t)	FLOWING TEMP. t.	WELLHEAD TEMP. t.	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
						psig	(P _w) (P _t) (P _c) psia	psig	(P _w) (P _t) (P _c) psia		
SHUT-IN						1371	1385	1082	1096		
1.	.375	58.00		98		1313	1327	1020	1034	1.00	
2.	.500	55.00		92		1237	1251	906	920	1.00	
3.	.500	72.00		91		1167	1181	939	953	1.00	.8
4.	.500	128.00		86		1032	1046	869	883	1.00	.6

FLOW STREAM ATTRIBUTES

RATE NO.	COEFFICIENT (F _p) Mcf/d	(PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m \times H_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _p v	RATE OF FLOW Q Mcf/d	GOR	G _m
1.	2.439	72.4	72.40	1.1802	.9653	1.0049	202		.718
2.	4.388	69.4	69.40	1.1802	.9706	1.0048	350		.718
3.	4.388	86.4	86.40	1.1802	.9715	1.0061	437	22775.4	.891
4.	4.388	142.4	142.40	1.1802	.9759	1.0104	727	50492.4	.798

PRESSURE CALCULATION

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² Thousands	(P _w) ² Thousands	PLOTING POINTS		% SHUT-IN 100 $\left[\frac{P_w - P_a}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² Thousands	Q Mcfd	
1.	1034.4	1385.4	1327.4	1919.3	1762.0	157.3	202.2	95.8
2.	920.4	1385.4	1251.4	1919.3	1566.0	353.3	350.5	90.2
3.	953.4	1385.4	1181.4	1919.3	1395.7	523.6	437.3	85.1
4.	883.4	1385.4	1046.4	1919.3	1095.0	824.4	727.1	75.3

INDICATED WELLHEAD OPEN FLOW

1372

Mcfd @ 14.65 psia

"n" = .777

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated herein and that said report is true and correct. Executed this the 15 day of July, 2005

Witness (if any)

For Company

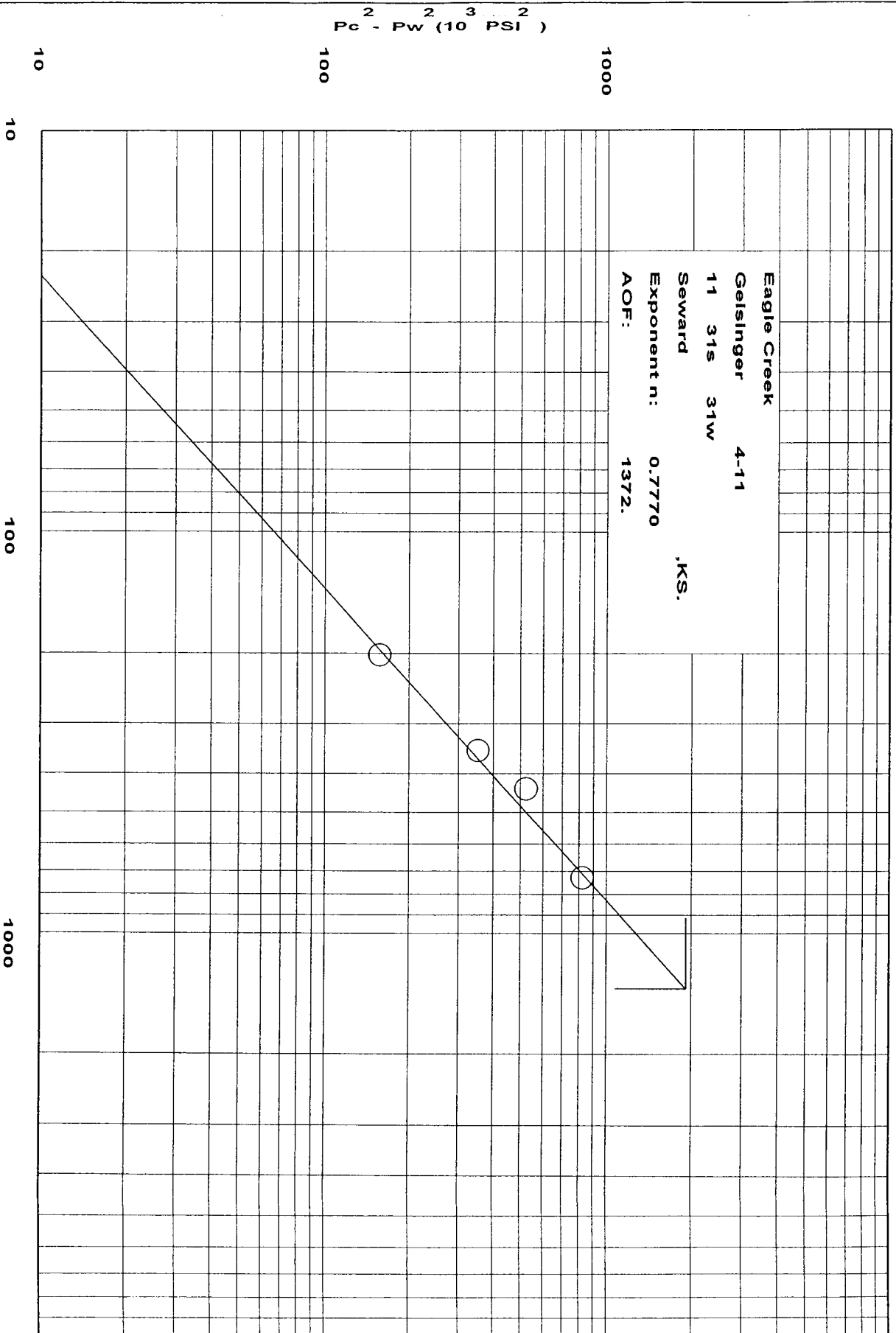
For Commission

Checked by

GAS WELL BACK PRESSURE CURVE

WELL TESTER: Trilobite Testing
TEST DATE: 6/22/06

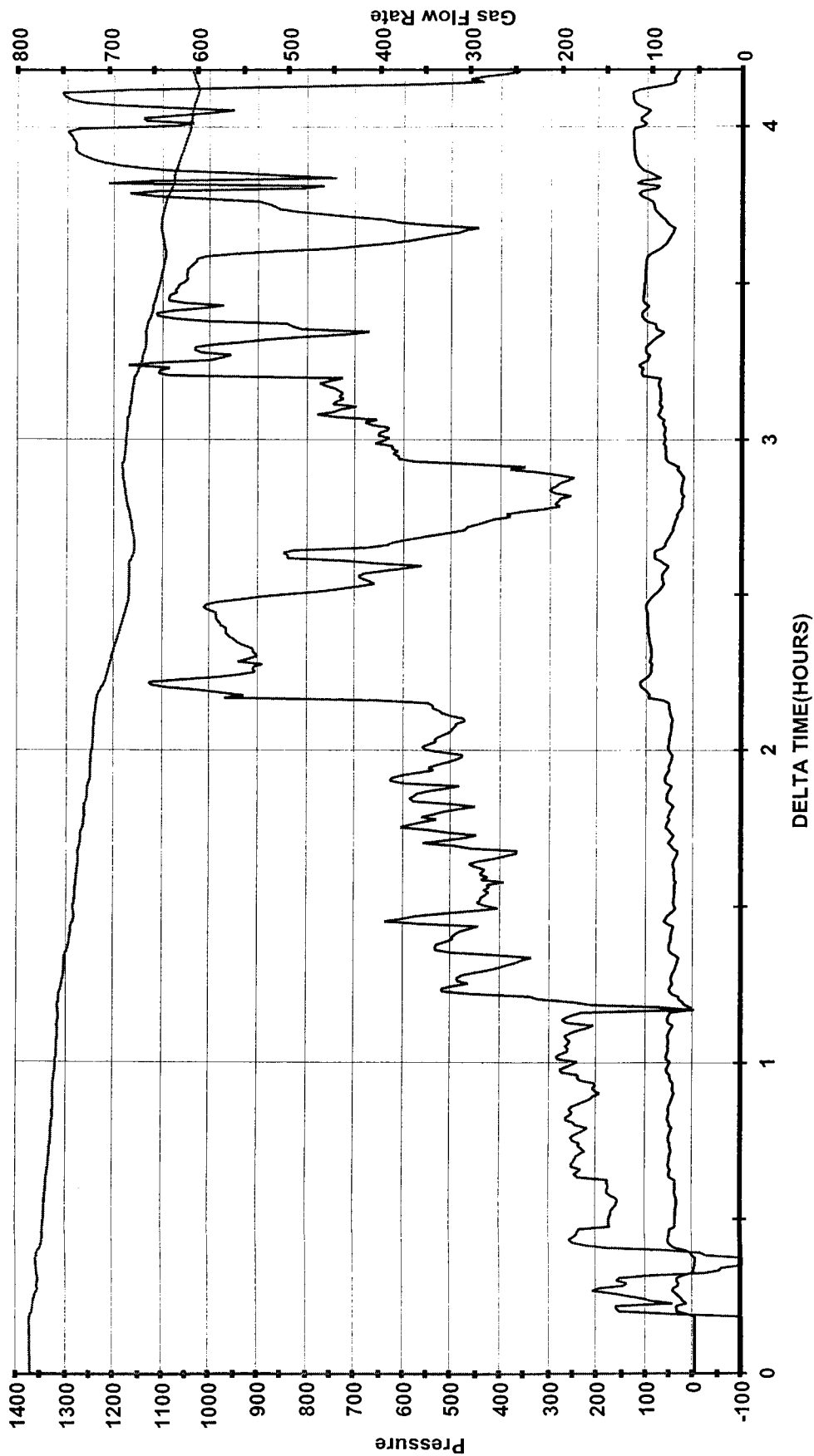
Eagle Creek
Gelsinger 4-11
11 31s 31w
Seward
Exponent n: 0.7770
AOI: 1372.



Q (MCF/DAY)

PRESSURE And GAS FLOW RATE vs TIME

Company: Eagle Creek Corporation
Location: Geisinger 4-11
Date: 6/23/2005
Serial# 6244



6244 - STATIC (PSIG) 6244 - CASING (PSIG) 6244 - GAS FLOW (mcf/day)