

STATE OF KANSAS - CORPORATION COMMISSION

FORM CG-1

MULTIPOINT BACK PRESSURE TEST

15-103-209410-0000

TYPE TEST: Initial Annual Special TEST DATE February 10, 1988

COMPANY Fairway Petroleum, Inc. LEASE GURSS WELL NO. 2

COUNTY Leavenworth LOCATION NE NE SE SECTION 27 TWP 7S RNG 21E ACRES 77

FIELD McLouth RESERVOIR PIPELINE CONNECTION LAGGS, Inc.

COMPLETION DATE 12/16/87 PLUG BACK TOTAL DEPTH 1494 PACKER SET AT

CASING SIZE WT. ID SET AT PERF. TO 4 1/2" 1493 1390 1396

TUBING SIZE WT. ID SET AT PERF. TO

TYPE COMPLETION (Describe) Perforated TYPE FLUID PRODUCTION none

PRODUCING THRU 4 1/2" casing RESERVOIR TEMPERATURE F 79° BAR PRESS - P_a 14.4 Psia

GAS GRAVITY - G_s 0.5824 % CARBON DIOXIDE 0 % NITROGEN 4.5% API GRAVITY OF LIQUID

VERTICAL DEPTH (H) 1493 TYPE METER CONN. none (PROVER) SIZE 2"

REMARKS

RECEIVED SEP 12 1988 CORPORATION COMMISSION

OBSERVED DATA CONSERVATION DIVISION Wichita, Kansas DURATION OF SHUT-IN 72 HR.

RATE No.	ORIFICE SIZE in.	(PROVER) PRESSURE psig	DIFP. (h _w) (h _d)	FLOWING TEMP. t	WELL-HEAD TEMP. t	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DUR. ACTION HOURS	LIQUID PROD. Bbls.
						psig	(P _w)(P _t)(P _c) psia	psig	(P _w X P _t)(P _c) psia		
SHUT IN						501.0	515.4			72	
1	0.50	333.0	-	79	79	333.0	347.4			1	
2	0.75	203.0	-	79	79	203.0	217.4			1	
3	1.00	114.0	-	79	79	114.0	128.4			1	
4	1.25	71.0	-	79	79	71.0	85.4			1	
5											

RATE OF FLOW CALCULATIONS

RATE NO.	COEFFICIENT (F _p)(F _p) Mcfd	(PROVER) PRESSURE psia	EXTENSION $\sqrt{P_m x h_w}$	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	G _m
1	4.388	347.4	-	1.310	0.9822	1.027	2014		
2	9.694	217.4	-	1.31	0.9822	1.023	2775		
3	17.53	128.4	-	1.310	0.9822	1.019	2952		
4	28.34	85.4	-	1.310	0.9822	1.015	3162		
5									

PRESSURE CALCULATIONS

RATE NO.	P _t psia	P _c psia	P _w psia	(P _c) ² THOUSANDS	(P _w) ² THOUSANDS	PLOTTING POINTS		100 $\left[\frac{P_w - P_c}{P_c - P_a} \right]$
						(P _c) ² - (P _w) ² THOUSANDS	Q Mcfd	
1			515.4	265.6	120.7	145.0	2014	
2			515.4	265.6	47.3	218.4	2775	
3			515.4	265.6	16.5	249.2	2952	
4			515.4	265.6	7.3	258.3	3162	
5								

INDICATED WELLHEAD OPEN FLOW 3230 Mcfd @ 14.65 psia "g" = 0.792

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 therein, and that said report is true and correct.

Executed this the 26 day of February, 1988.

Jeffrey W. Hertz
For Company

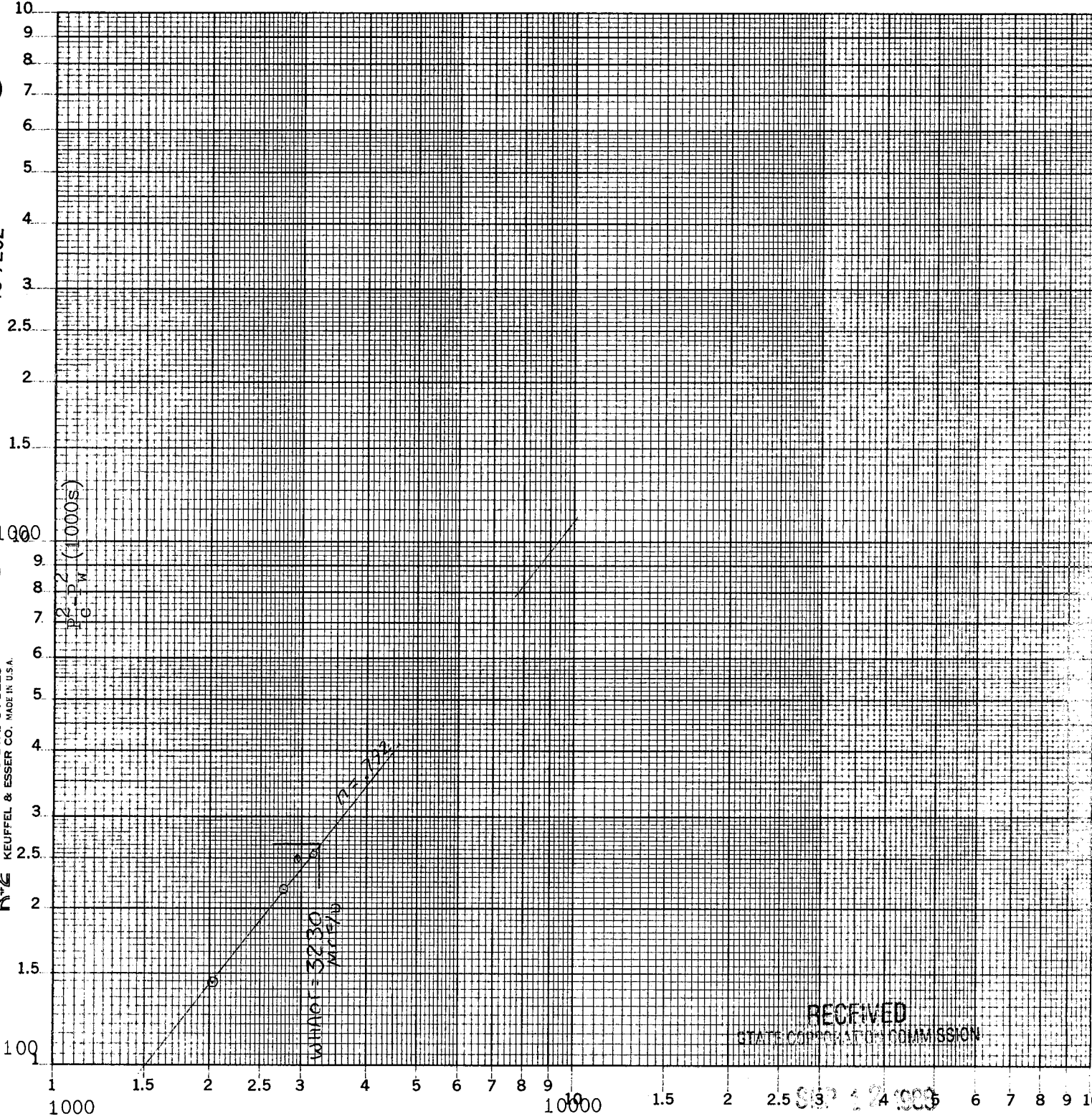
Witness (if any)

GURSS #2

46 7202

LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.

$\frac{P^2 - P_w^2}{L G}$ (1000S)



RECEIVED
STATE COMMERCE COMMISSION

SEP 12 1935

RATE OF FLOW (MCF/D)

REGISTRATION DIVISION
Wichita, Kansas