

15-103-20961-00-00

STATE OF KANSAS - CORPORATION COMMISSION
MULTIPOINT BACK PRESSURE TEST

FORM G-1
8-7-58

TYPE TEST: Initial Annual Special TEST DATE: May 4, 1988

COMPANY MID-GULF, INC. LEASE Evans WELL NO. 1

COUNTY Leavenworth LOCATION sw-nw-ne SECTION 11 TWP 8S RNG 21E ACRES

FIELD McLouth RESERVOIR PIPELINE CONNECTION Mid Gulf, Inc.

COMPLETION DATE PLUG BACK TOTAL DEPTH PACKER SET AT

CASING SIZE 4 1/2" WT. 11.6 ID SET AT 1523 PERF. TO 1327-1334; 1347-1352

TUBING SIZE 2 3/8" WT. ID. SET AT 1301 PERF. TO

TYPE COMPLETION (Describe) Single TYPE FLUID PRODUCTION

PRODUCING THRU Tubing RESERVOIR TEMPERATURE F 91 BAR PRESS - P_a 14.4 Psia

GAS GRAVITY - G_g 0.5742 % CARBON DIOXIDE 0 % NITROGEN 3.32 API GRAVITY OF LIQUID

VERTICAL DEPTH (H) 1340 TYPE METER CONN. Flange (METER RUN) (PROVER) SIZE 2"

REMARKS

RECEIVED
STATE CORPORATION COMMISSION
MAY 12 1988

OBSERVED DATA

DURATION OF SHUT-IN HR.

RATE No.	ORIFICE SIZE in.	(METER) (PROVER) PRESSURE psig	DIFF.		WELL-HEAD TEMP. t	CASING WELLHEAD PRESS.		TUBING WELLHEAD PRESS.		DURATION HOURS	LIQUID PROD. Bbls.
			(h _w)	(h _w) - (h _o)		psig	(P _w)(P _i)(P _o) psia	psig	(P _w X P _i X P _o) psia		
SHUT IN						291.0	304.4	248.0	262.4	24+	
1	1.00	49	9	60	60	246.0	260.4	164.0	178.4	1.5	
2	1.00	50	11	60	60	237.0	251.4	149.0	163.4	1.5	
3	1.00	67	13	60	60	225.0	239.4	136.0	150.4	1.5	
4	1.00	69.5	15.5	60	60	217.0	231.4	128.0	142.4	1.5	
5											

RATE OF FLOW CALCULATIONS

RATE NO.	COEFFICIENT (F _o)(F _p) Mcfd	(METER) (PROVER) PRESSURE psia	EXTENSION √ P _m z h _w	GRAVITY FACTOR F _g	FLOWING TEMP FACTOR F _t	DEVIATION FACTOR F _{pv}	RATE OF FLOW Q Mcfd	GOR	Q _m
1	5.073	63.4	23.89	1.320	1.000	1.002	160		
2	5.073	64.4	26.62	1.320	1.000	1.002	179		
3	5.073	81.4	32.53	1.320	1.000	1.002	218		
4	5.073	83.9	36.06	1.320	1.000	1.002	242		
5									

PRESSURE CALCULATIONS

RATE NO.	P _i psia	P _c psia	P _w psia	(P _c) ² THOUSANDS	(P _w) ² THOUSANDS	PLOTING POINTS		100 [(P _w - P _a) / (P _c - P _a)]
						(P _c) ² - (P _w) ² THOUSANDS	Q Mcfd	
1		305.4	260.4	93.3	67.8	25.5	160	
2		305.4	251.4	93.3	63.2	30.1	179	
3		305.4	239.4	93.3	57.3	36.0	218	
4		305.4	231.4	93.3	53.3	39.7	242	
5								

INDICATED WELLHEAD OPEN FLOW 539 Mcfd @ 14.65 psia "n" = 0.940

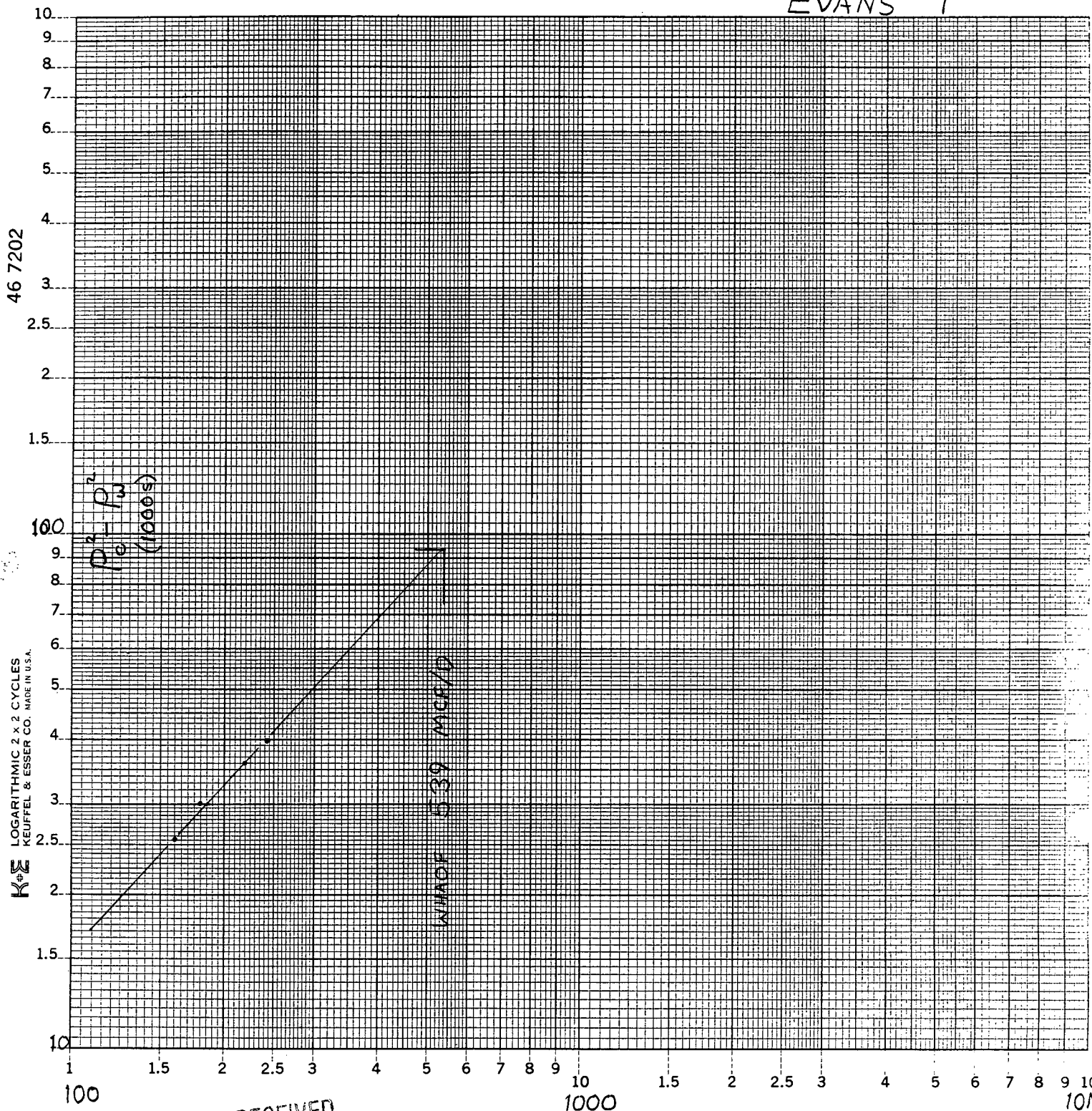
The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct.

Executed this the 5th day of May, 1988.

Dwayne M. Love
For Company

Witness (if any)

EVANS #1



RECEIVED
STATE CORPORATION COMMISSION

SEP 12 1988

CONSERVATION DIVISION
Wichita, Kansas