

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

Pool: Wildcat Date: June 15, 1956
Company: Sunray Mid-Continent Lease: N.M. State "K" Well No. 1
County: Lea Sec. 11 Twp. 10S Rge. 32E Loc. 660' FSL & 1980' FEL
5-1/2" OD casing set @ 10270' ; ID tubing 2-3/8 OD tubing set @ 10,172'
Pay zone from 10184 to 10195 ; Separator gas gr. .600 assumed Barometer rdg. -
Reservoir temperature 170 ° Produced through: csg. - tbg. X
Average gas/liquid ratio during test: 23.8 M Cu. ft. /bbl. gravity of liquid 60 assumed ° API
Size of meter run or prover: 3" X 2"

OBSERVED DATA

Wellhead shut-in pressure, P_w Casing _____ Tubing 2258.2 PSIA

Critical flow prover (3" tester)

Run No.	Orifice Size	Orifice Line	Meter Pressures		Coefficient C	Wellhead Pr.		Flowing Temp.	
			Static	Diff.		Casing	Tubing	Meter	Wellhead
			P_m Abs.	P_w Comp. factor	Flg. tap Pipe tap	P_{wc} gauge factor	P_{wc} Abs.		Temp. factor
1	2"	3"	43" Hg	1.000	3100	1.000	928.2	29	1.0312
2	2"	3"	35" Hg	1.000	2714	1.000	1018.2	29	1.0312
3	2"	3"	29" Hg	1.000	2406	1.000	1175.2	31	1.0291
4	2"	3"	18" Hg	1.000	1821	1.000	1313.2	31	1.0291

$\theta = 45^\circ$
 $n = 1.000$

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1	3197	8250.6
2	2799	7977.6
3	2476	6812.5
4	1874	5142.5
5	0	10694.2 P_s^2 shut in

Absolute Open Flow 4000 MCF

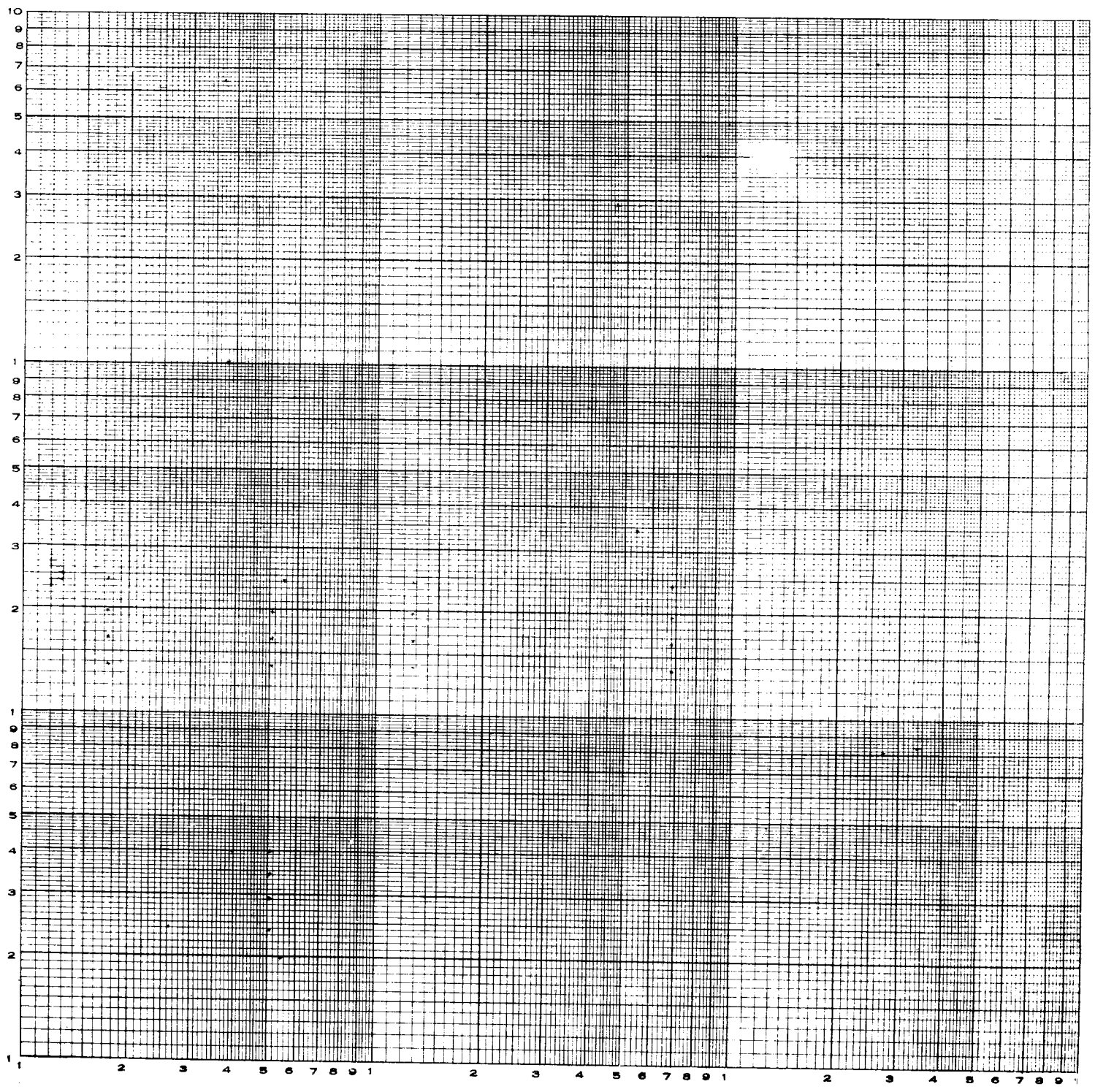
CERTIFICATION: I hereby swear or affirm that, to the best of my knowledge, the information given above is true and correct.

Name: Robert E. Statton Position: Engineer

Company: Sunray Mid-Continent Oil Co. Address: 201 Midland Nat'l Bank Bldg., Midland, Tex

Please plot curve on back

SEE ATTACHED



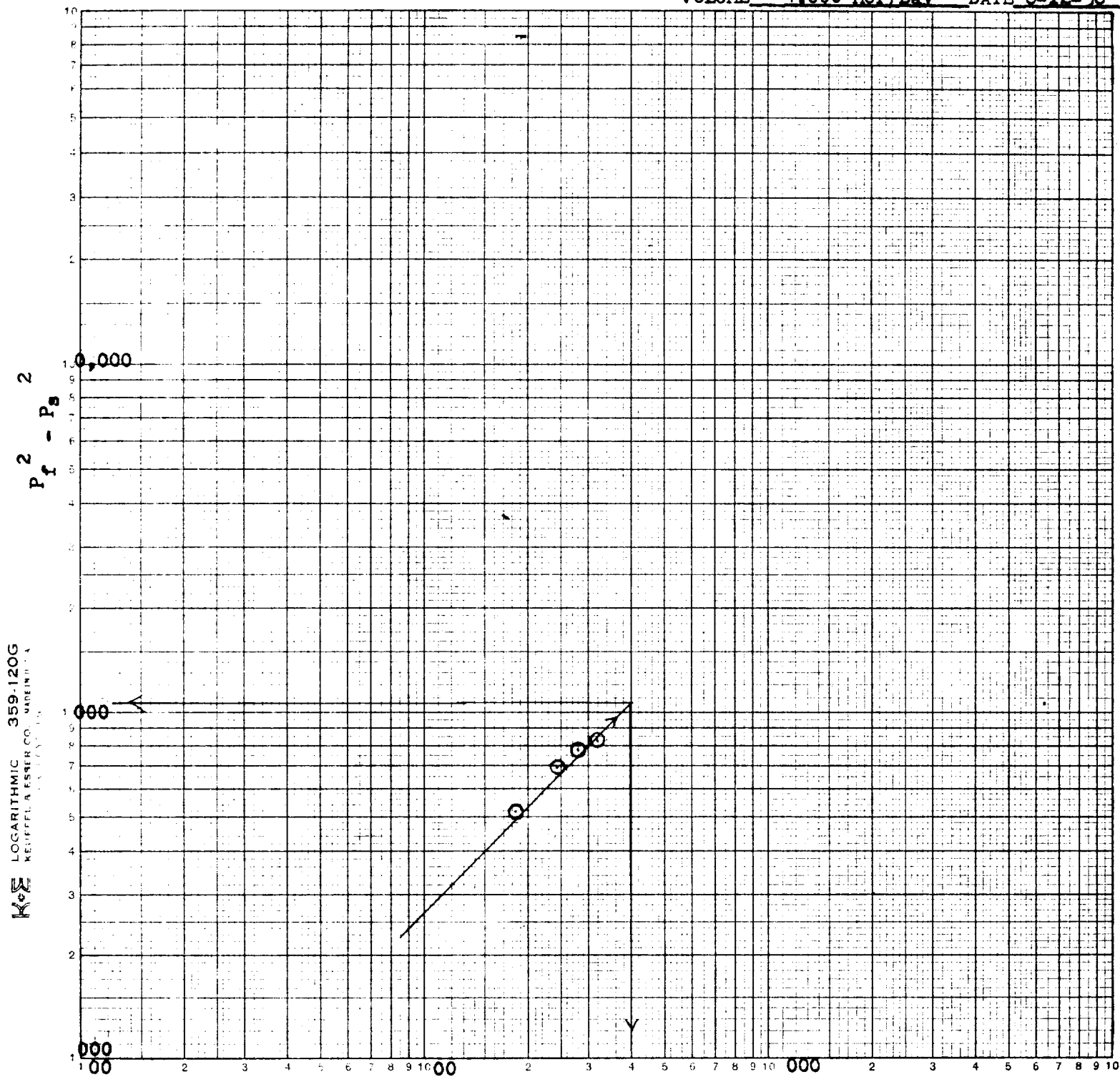
COUNTY Lea, New Mexico

FIELD wildcat

OPERATOR Sunray Mid-Continent Oil Company

LEASE New Mexico State "K" WELL NO. 1

VOLUME 4.000 MCF/Day DATE 6-12-56



Q = 4,000 MCF

$\theta = 45^\circ$

N = 1.00