

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

Pool: Elmout Date: January 10, 1956

Company: Sinclair Oil & Gas Company Lease: State 176 Well No. 3

County: Lea Sec. 19 Twp. 21 S Rge. 36 E Loc. NE NW SE

6.336 ID casing set @ 3883'; 2.441 ID tubing 2 7/8" OD tubing set @ 3798'

Pay zone from 3652' to 3820'; Separator gas gr. .676 Barometer rdg. 13.2

Reservoir temperature 565 ° Produced through: csg. _____ tbg. X

Average gas/liquid ratio during test: _____ Cu. ft. / bbl. gravity of liquid _____ ° API

Size of meter run or prover: 2" CVD

OBSERVED DATA

Wellhead shut-in pressure, P_w Casing Packer Tubing 1000 PSIA

Run No.	Orifice Size	Orifice x Line	Meter Pressures		Coefficient C Flg. tap _____ Pipe tap _____	Wellhead Pr.		Flowing Temp.	
			Static P_m Abs.	Diff. h_w		Casing P_{wc} Abs.	Tubing P_{wc} Abs.	Meter	Wellhead
1	1/4"		940		1.400		940	68	68
2	5/16"		880		2.153		880	70	70
3	3/8"		835		3.064		835	72	72
4	7/16"		777		4.390		777	72	72

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1	1363	153
2	1950	288
3	2600	389
4	3447	507
5		

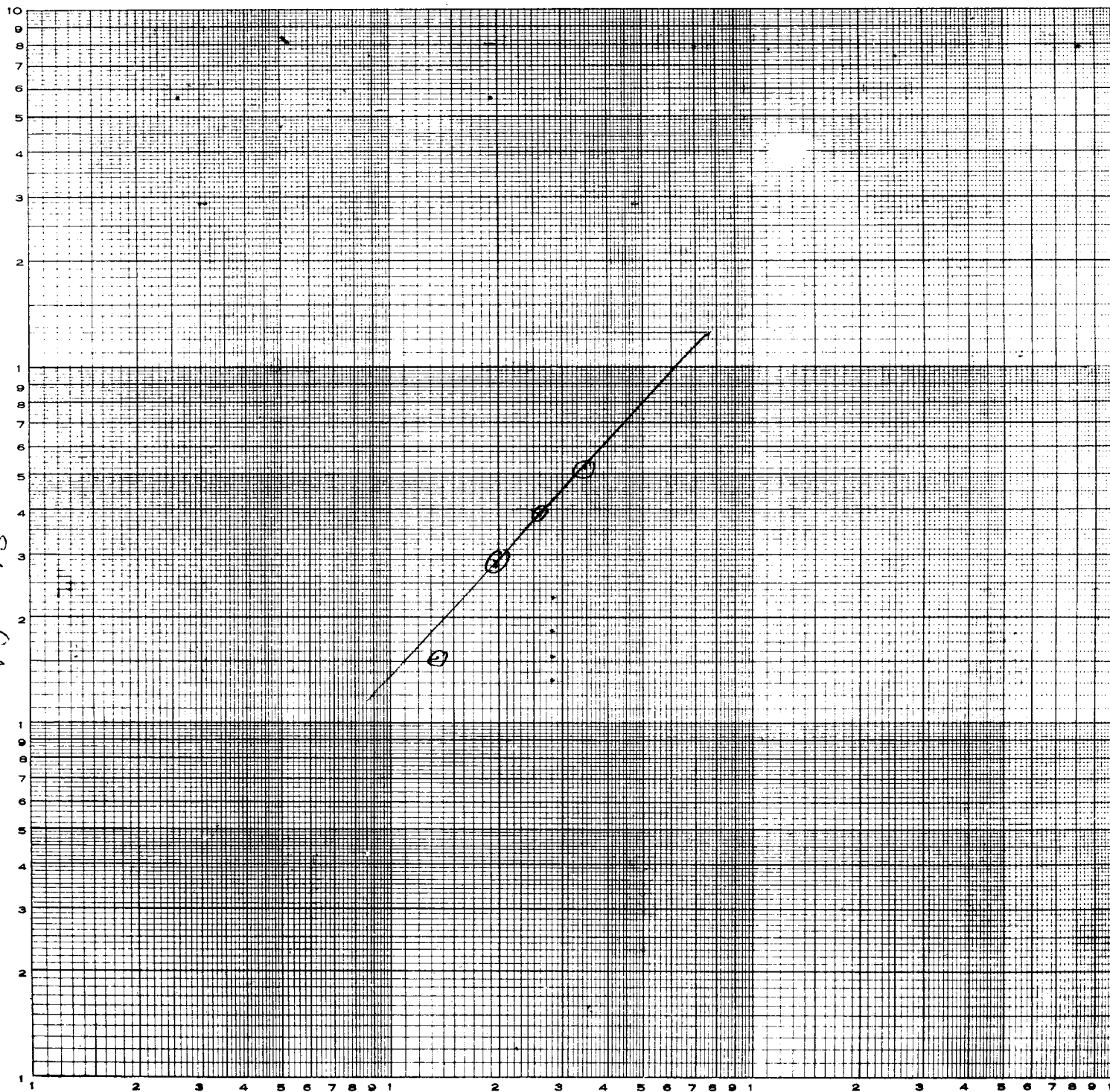
Absolute Open Flow 7,600 MCF
@ 13.025

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

Name: Richard L. Howard Position: GAS ANALYST

Company: SINCLAIR OIL & GAS COMPANY Address: 520 EAST BROADWAY - HOBBS, NEW MEXICO
 Orig. & 2 cc: Conservation Commission
 cc: BJP, PCH, CCS, FILE, JTR
PERMAIN BASIN PIPE LINE COMPANY plot curve on back

P₁ - P₂



POTENTIAL OF WELL
1,600 MCF

Q IN MCF

$\theta = 48^\circ$
 $N = 900$