

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

HOBBS OFFICE OCC

Pool: Cresby Devonian Date: 9-23-55 ¹⁰⁷⁶ SEP 27 11 09:24 AM

Company: Sinclair Oil & Gas Co. Lease: J. T. Lanchart Unit Well No. 8641

County: Lea Sec. 28 Twp. 24 S Rge. 37 E Loc. SE NW

6.276 ID casing set @ 8600 ; 1.995 ID tubing 2 3/8 OD tubing set @ 8564

Pay zone from 8434 to 8594 ; Separator gas gr. .624 Barometer rdg. 13.2

Reservoir temperature 690 Abg. Produced through: csg. _____ tbg. I

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

Size of meter run or prover: 2" C.F.P.

OBSERVED DATA

No Packer, used casing pressures

Wellhead shut-in pressure, P_w Casing 2898.2 Tubing 2880.2 PSIA

Run No.	Orifice Size	Orifice x Line	2" C.F.P. 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	7/16	-	2324.2	-	4.390	2868.2	2324.2	77	77
2	1/2	-	2098.2	-	5.512	2853.2	2098.2	76	76
3	5/8	-	1608.2	-	8.336	2828.2	1608.2	60	60
4	3/4	-	1243.2	-	12.180	2809.2	1243.2	57	57

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1	<u>11,331</u>	<u>3091</u>
2	<u>12,835</u>	<u>3181</u>
3	<u>15,184</u>	<u>3341</u>
4	<u>16,738</u>	<u>3453</u>
5		

Absolute Open Flow 58,000 MCF

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

Name: T. R. Pruitt Position: Gas Analyst

Company: Sinclair Oil & Gas Co. Address: Box 648, Wink, Texas.

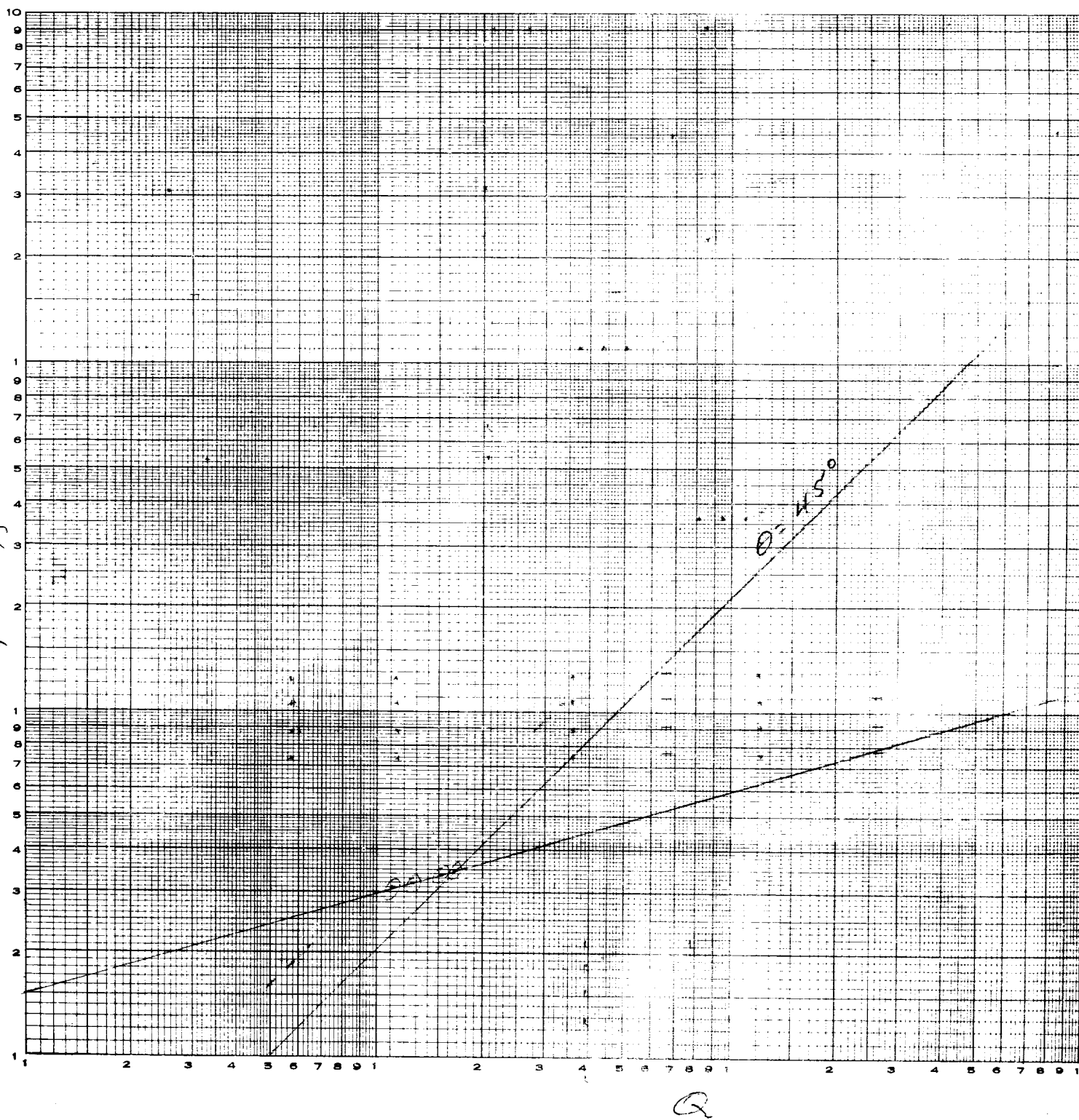
Original & 2 cc to Conservation Commission

cc: FCR, SJF, JTB, Hobbs Dist. Office

K1. Pass & Mile

base plot curve on back

$P_T^2 - P_S^2$



$\theta = 17^\circ$
 $\theta = 45^\circ$ Through Highest Point
 $n = 1,000$
 $POF = 58,000 \text{ m.c.F.}$