

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

Pool: Eumont Date: July 11, 1956

Company: Sunray Mid-Continent Oil Co. Lease: A. Cooper Well No. 4

County: Lea Sec. 12 Twp. 20 Rge. 36 Loc. H

6.336 ID casing set @ 3790 ; 1.995 ID tubing 2 OD tubing set @ 2802

Pay zone from 3235 to 3276 ; Separator gas gr. .670 Barometer rdg. 13.2

Reservoir temperature - ° Produced through: csg. - tbg. - ✓

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

Size of meter run or prover: -

GL = 1877

Duration of flow: 72hrs SI, 24 hrs ~~each run~~ OBSERVED DATA

Fg = .9463

FC = 9.936

(1 - e⁻²) = 0.121

Wellhead shut-in pressure, P_w Casing - Tubing 929.2 PSIA

4" line pipe X 1.5" orifice

Run No.	F _t Orifice Size	F _{pv} Orifice x Line	Meter Pressures		Coefficient C Flg. tap x Pipe tap	Wellhead Pr.		Flowing Temp.	
			Static P _m Abs.	Diff. h _w		Casing P _{sc} Abs. cals.	Tubing P _{sp} Abs.	Meter P _w ²	Wellhead P _w ²
SI							929.2		
1	1.0019	1.106	573	6.76	13.99	893.6	868.2	58	791.86
2	1.0010	1.097	573	16.0	13.99	830.1	810.2	59	689.12
3	.9981	1.091	567	23.0	13.99	793.2	765.2	62	629.21
4	.9943	1.077	608	34.8	13.99	717.7	677.2	66	515.16

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_g^2 - P_w^2$ (thousands)
1	1123.86	71.55
2	1655.08	174.29
3	1912.42	234.20
4	2176.28	348.25
5		863.1

Absolute Open Flow 2990 (n = 0.5) MCF (3380 MCF n = .435)

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 National Bank Bldg., Midland, Texas

Please plot curve on back (See attached)

