

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

Pool: Arrow Date: November 22, 1953

Company: El Paso Natural Gas Co. Lease: Shell State Well No. 12

County: Lea Sec. 36 Twp. 21 S Rge. 36 E Loc. 660 S & 1980 E

4.825 ID casing set @ 1133 ; 2.441 ID tubing 2 1/2 OD tubing set @ 3458

Pay zone from 3443 to 3458 ; Separator gas gr. .660 Barometer rdg. 13.2

Reservoir temperature 91 ° Produced through: csg. _____ tbg. X

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

Size of meter run or prover: -

OBSERVED DATA

Wellhead shut-in pressure, P_w Casing 1245.2 Tubing - PSIA

Run No.	Orifice Size	Orifice x Line	Meter Pressures		Coefficient C Flg. tap Pipe tap Choke x	Wellhead Pr.		Flowing Temp.	
			Static P_m Abs.	Diff. h_w		Casing P_{wc} Abs.	Tubing P_{wc} Abs.	Meter	Wellhead
1	.375				3.315	1216.2	1166.2		74
2	.500				6.104	1185.2	1074.2		70
3	.625				9.731	1157.2	948.2		66
4	.750				14.128	1124.2	790.2		60

DATA FOR PLOTTING CURVE $P_f^2 - P_s^2$

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
1	4045	71.4
2	6843	145.8
3	9579	206.8
4	11507	286.7
5		

Absolute Open Flow 42,500 MCF

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

Name: Larry C. Zink Position: Division Geologist

Company: El Paso Natural Gas Co. Address: P. O. Box 1384; Jal, New Mexico

Please plot curve on back

