

NEW MEXICO
OIL CONSERVATION COMMISSION
Back Pressure Data Sheet

Form C-122

Pool: Barker Dome Paradox Date: October 4, 1954

Company: Astec Oil & Gas Company Lease: Barker Well No. 19

County: San Juan Sec. 21 Twp. 32-N Rge. 14-W Loc. Unit B - 275/N & 1364/E

6.094 ID casing set @ 8917'; 2.441 ID tubing 2.875 OD tubing set @ 8900'

Pay zone from 8535' to 8670'; Separator gas gr. 0.715 Barometer rdg. 12 psia

Reservoir temperature 535 °R 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" Choke Cage.

Shut in 60 days.

OBSERVED DATA

Wellhead shut-in pressure, P_w Casing 1718 Tubing 1718 PSIA

Run No.	Orifice Size	Choke 6799 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
<u>1</u>	<u>7/16</u>				<u>4.730</u>		<u>1385</u>		<u>84</u>
<u>2</u>	<u>1/2</u>				<u>6.260</u>		<u>1228</u>		<u>89</u>
<u>3</u>	<u>9/16</u>				<u>8.010</u>		<u>1060</u>		<u>95</u>
<u>4</u>	<u>5/8</u>				<u>9.980</u>		<u>912</u>		<u>91</u>

DATA FOR PLOTTING CURVE

Run No.	Delivery Rate in MCF per 24 hours (Q)	$P_f^2 - P_s^2$ (thousands)
<u>1</u>	<u>6790</u>	<u>2142</u>
<u>2</u>	<u>7799</u>	<u>2941</u>
<u>3</u>	<u>8380</u>	<u>3668</u>
<u>4</u>	<u>8890</u>	<u>4241</u>
<u>5</u>		

Absolute Open Flow 10,000 MCF

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

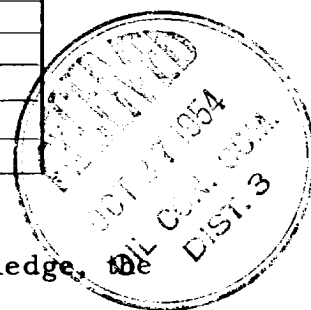
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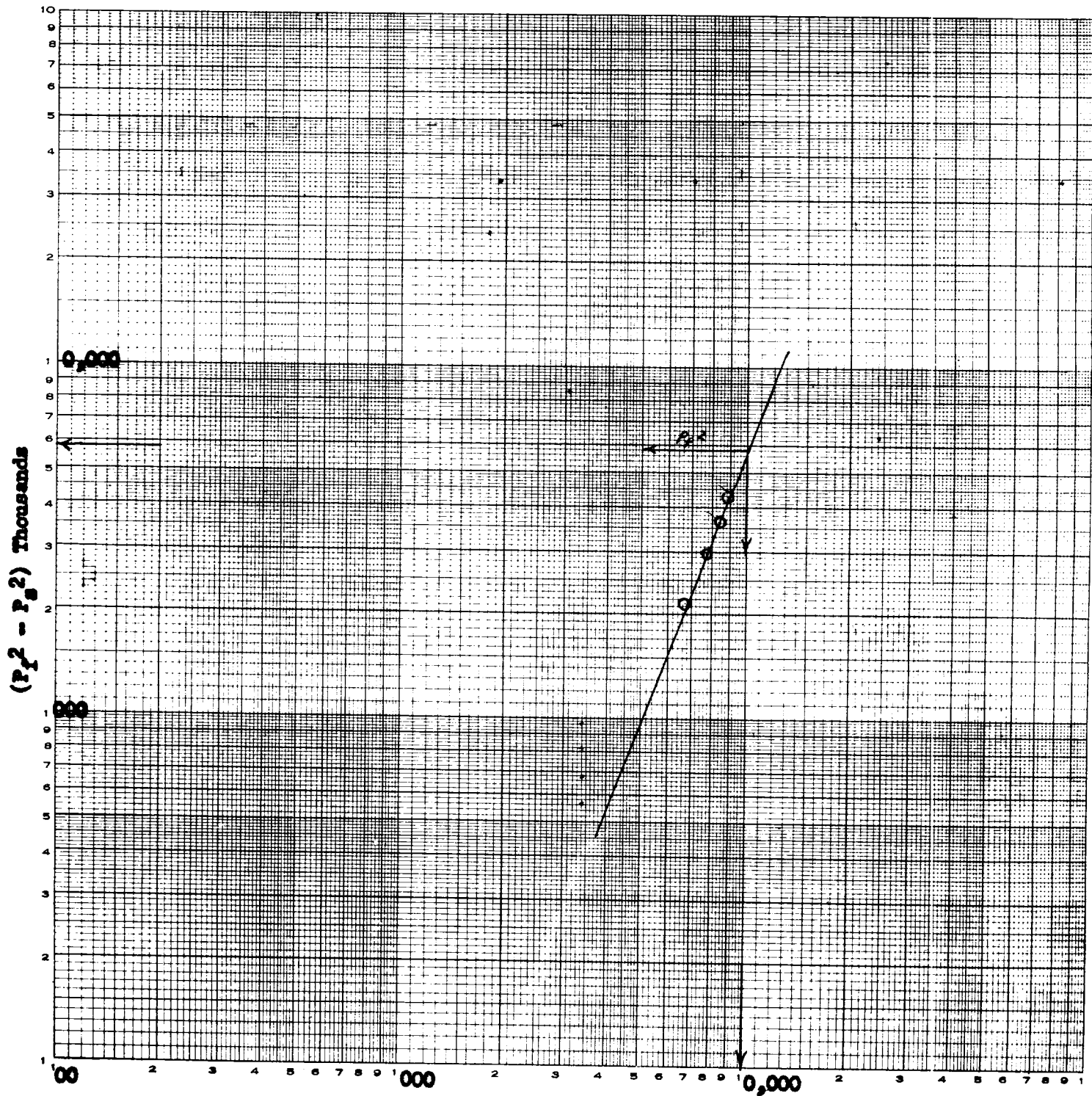
Name: John J. Abendschan Position: Petroleum Engineer

John J. Abendschan

Company: Astec Oil & Gas Company Address: 112 N. Behrend, Farmington, New Mexico

Please plot curve on back





$Q - \text{MCF/day}$

$210W = .384$