

SIMS MESA SWD #1

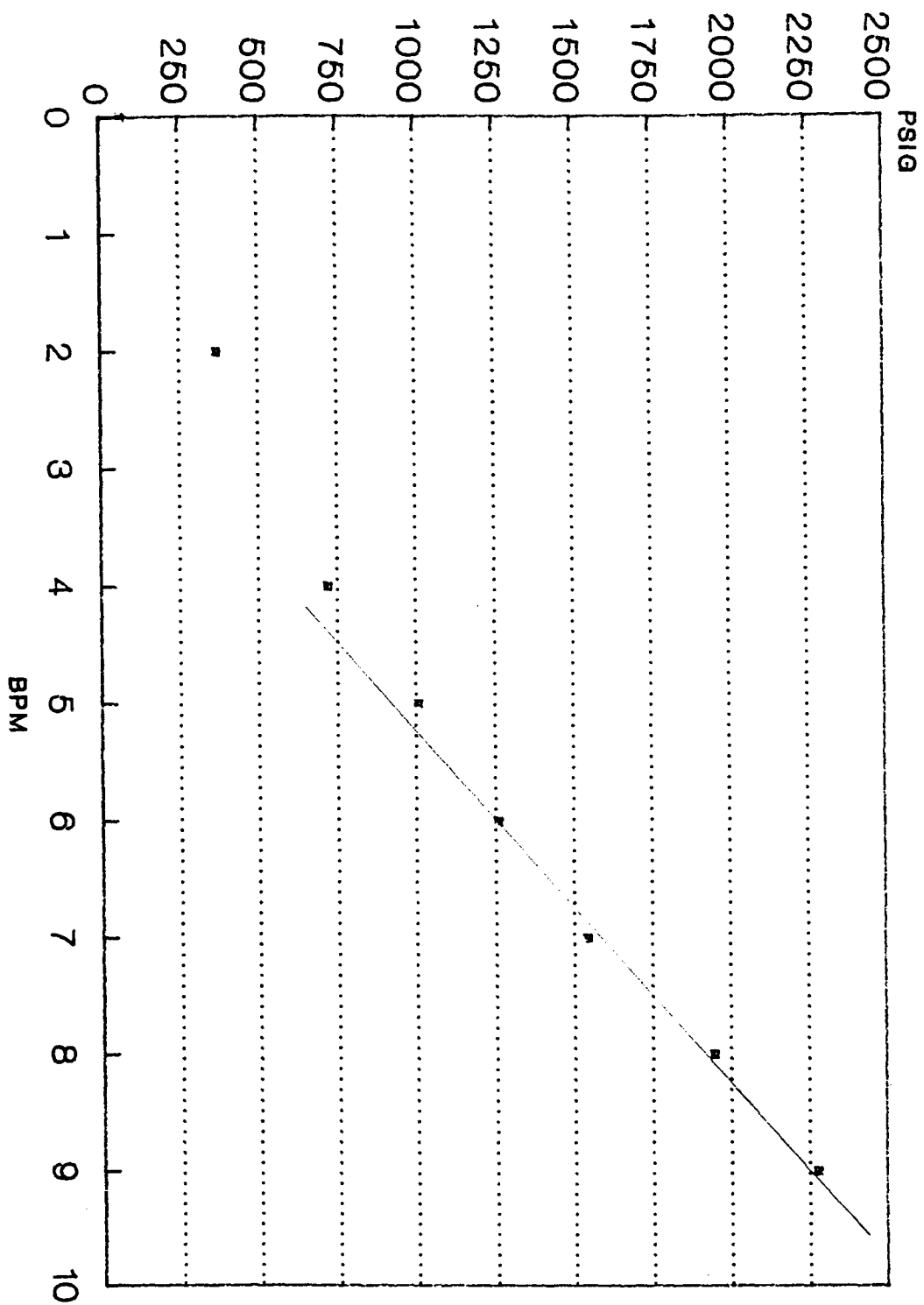
STEP RATE TEST

RESULTS

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SIMS MESA SWD #1

NEBU 501 STEP RATE TEST



BLACKWOOD & NICHOLS Co., LTD.

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Completion Report

Northeast Blanco Unit No. 501 (Coal Water Disposal Well)

SIMS Mesa SWD #1

LOCATION: 1450' FNL - 790' FWL

Section 10, T30N, R7W

Rio Arriba County, New Mexico

Injection Test 4-19-89

620 Bbls of Fruitland Coal water was filtered to 1 micron and injected at incremental rates into the Entrada, Bluff, and Lower Morrison formations. Fluid was pumped by Dowell Schlumberger down 7375' of 3-1/2" plastic-coated 9.3 #/ft N-80 tubing and 805' of 5-1/2" 17.0 #/ft N-80 casing.

Perforated interval from 8180' to 8758'. A bottomhole pressure bomb was run in hole prior to test and set below perfs at 8800'. Surface SITP = 70 psig. BHSIP = 3997 psig.

<u>INJECTION</u> <u>RATE (BPM)</u>	<u>ELAPSED</u> <u>TIME (MIN)</u>	<u>SURFACE</u> <u>PSIG</u>	<u>BOTTOMHOLE</u> <u>PSIG @ 8800'</u>
0	0	70	3997
2	15	369	4128
4	15	720	4288
5	15	1010	4400
6	15	1260	4486
7	15	1544	4563
8	15	1948	4638
9	15	2279	4687
0	0	285	4555
0	5	142	4408
0	10	104	4335
0	15	90	4301
0	20	85	4278
0	25	85	4264
0	30	85	4250

End of Test.