



NEW MEXICO
OIL CONSERVATION
DIVISION

ALBUQUERQUE, N.M.

April 22, 1987

Mr. W. J. LeMay
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Injection Pressure Increase
Skelly Unit No. 53
Unit Letter K, Section 22, T-17-S, R-31-E
Eddy County, New Mexico

Mr. LeMay:

Texaco Producing Inc. requests permission to increase the limiting surface injection pressure on Skelly Unit No. 53 to 1455 PSI.

The subject well is completed in the Grayburg-Jackson SR-QN-GB-SA pool. The well was converted to a water injection well on February 13, 1987. Water injection was authorized by NMOCD Order No. WFX-564. A step rate test was run on the subject well on March 4, 1987 and was witnessed by NMOCD representative Mike Stubblefield of Artesia. The step rate test is attached. The surface parting pressure was 1507 PSI. Permission is requested to increase the limiting surface injection pressure to 1455 PSI.

Sincerely,

J. A. Head
Hobbs Area Superintendent

RGC/cp

Attachment

cc: LJS-Hobbs District
PWS-Hobbs District
File

B & D WELL TESTERS

Step Rate Test

Phone (505) 397-3914

Hobbs, New Mexico 88240

Company Texaco Producing, Inc.							Unit
Test Date 3-24-87							Lease Skelly Unit
Total Depth 3808'		Plug Back TD		Elevation			Well # 53
Csg size 7" Wt 20# d		Set at 3432'		Perfs: From 3041' To 3808'			Sec 22 Twp-Blk 17S Rge 31E
Tbg size 2 3/8" Wt P.C. d		Set at 2963'		Perfs: From To			County Eddy State New Mexico
Producing thru		Packer set at 2963'					Co. Rep Glen Carter
Time of Reading	Elap Time Hrs.	Well Information					Remarks
		Rate BBLS Per Day	Total BBLS Per Rate	Surface PSIG	Surface PSI Cor for Friction	BHP	
11:20	BHP tool @ 3425' @ 11:20AM						Open hole from 3432' to 3808'
11:25	SI			310		1834	
11:30	Start	100		310		1834	Midway of Perfs = 3425'
11:35		100		330			
11:40		100		345			
11:45	:15	100	1.0	360		1878	
11:50		200		380			
11:55		200		400			
12:00	:30	200	2.0	420		1942	
12:05		300		455			
12:10		300		480			
12:15	:45	300	3.1	520		2020	
12:20		500		560			
12:25		500		590			
12:30	1:00	500	5.1	630		2128	
12:35		700		675			
12:40		700		720			
12:45	1:15	700	7.2	755		2253	
12:50		900		805			
12:55		900		840			
1:00	1:30	900	9.2	870	855	2379	
1:05		1100		925			
1:10		1100		960			
1:15	1:45	1100	11.3	990	972	2496	
1:20		1300		1040			1½ T.M.
1:25		1300		1065			
1:30	2:00	1300	13.3	1090	1079	2603	
1:35		1500		1155			
1:40		1500		1180			
1:45	2:15	1500	15.4	1210	1175	2699	

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Texaco Producing, Inc.

Skelly Unit Well #53

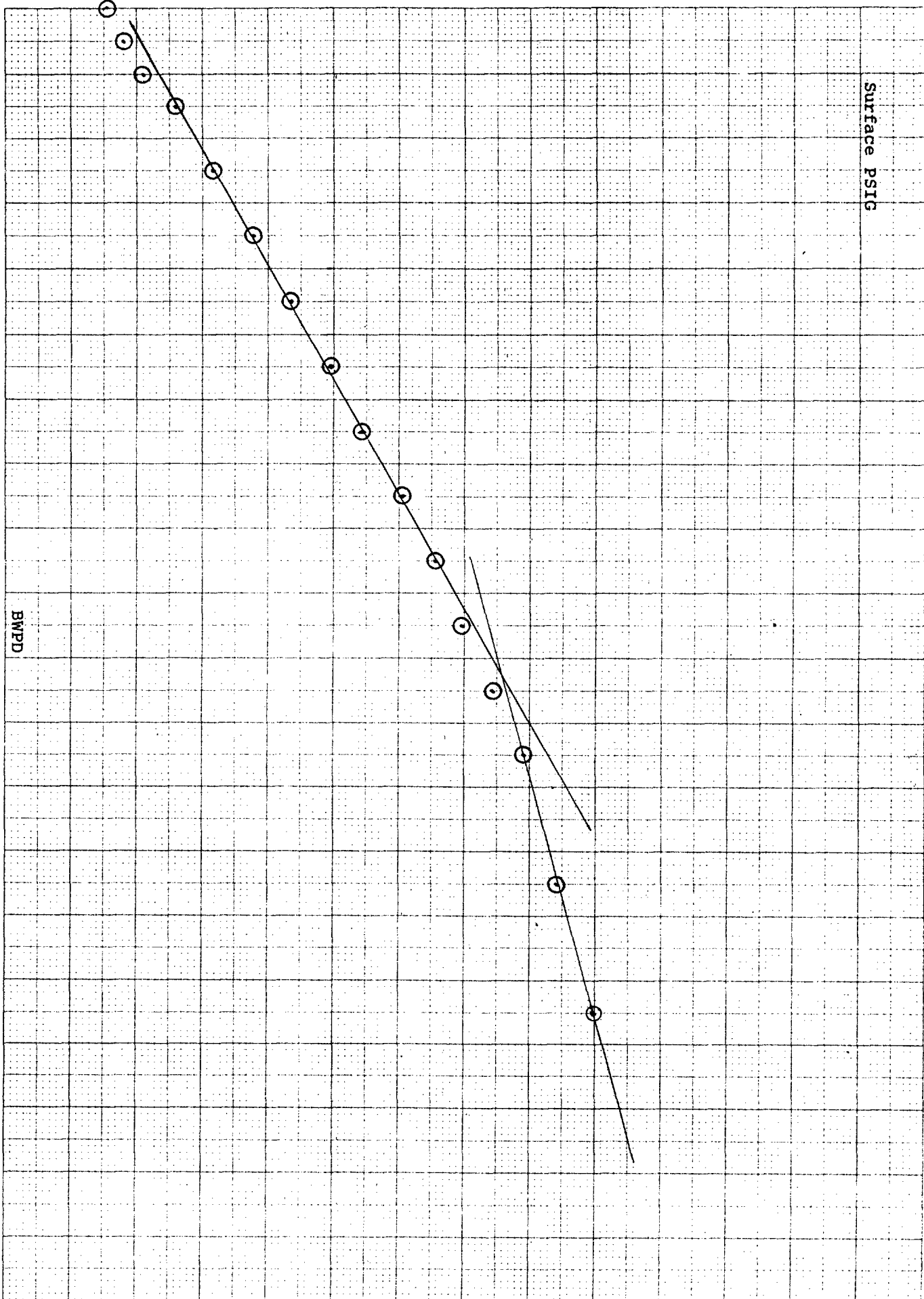
3-24-87

Surface PSIG

2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200

200 400 600 800 1000 1200 1400 1600 1800 2000 2200 2400 2600 2800 3000 3200 3400 3600 3800

BWPD



Texaco Producing, Inc.

Skelly Unit #53

3-24-87

3800

Bottom Hole PSIA

3600

3400

3200

3000

2800

2600

2400

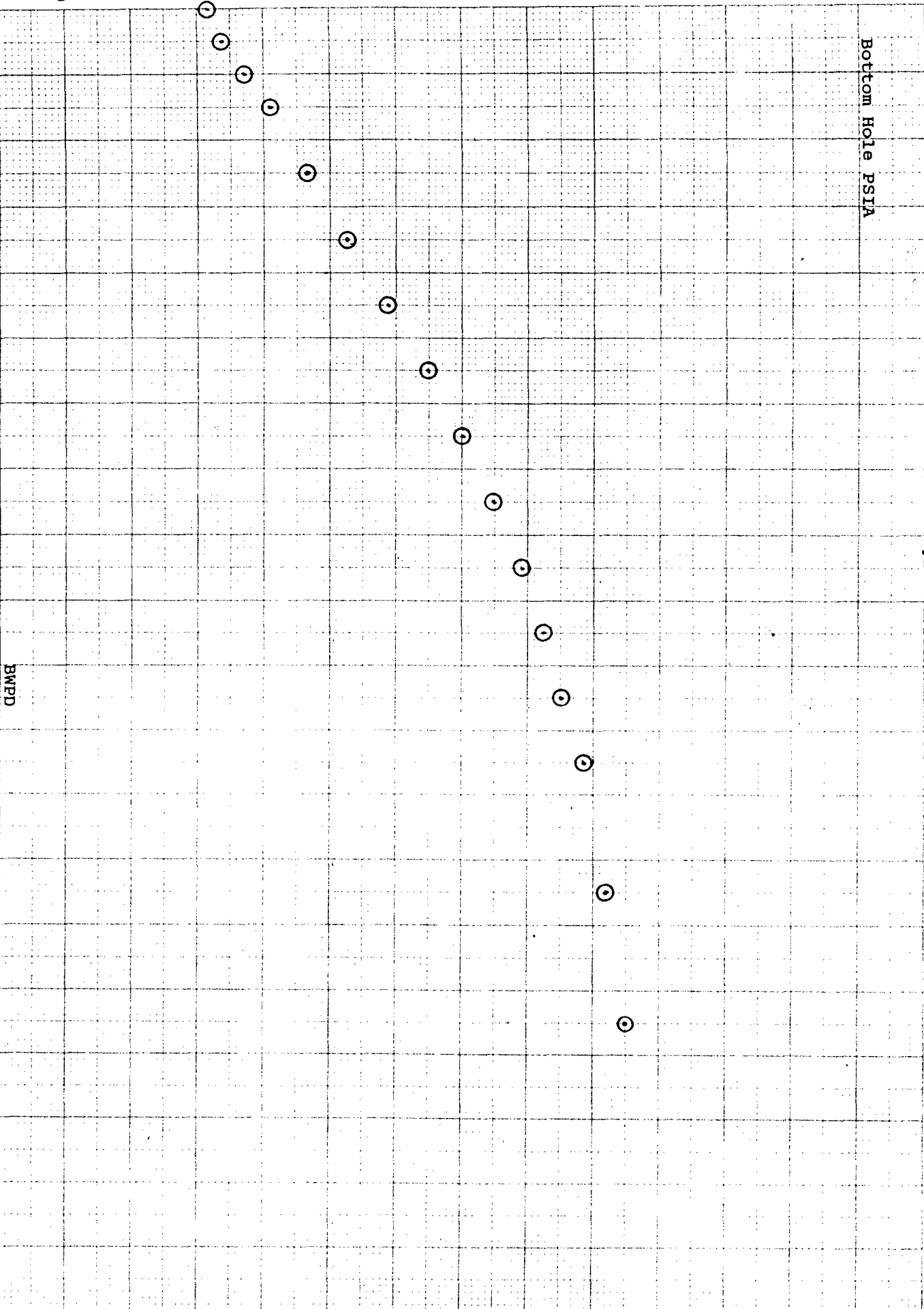
2200

2000

1800

1600

1400



B & D WELL TESTERS, INC.

P.O. Box 5683
HOBBS, NEW MEXICO
505 397-3914

Texaco Producing, Inc.

Skelly Unit #53

3-24-87

