



Joe E King
District Manager

Office of
Public Affairs
493 7131

January 10, 1986

New Mexico Department of
Energy and Minerals
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501

Attention: Mr. David Catnach

Re: NEW MEXICO BZ STATE NCT-8
Nos. 2, 6, 7, and 8

Gentlemen:

Texaco Inc. respectfully requests that authorization be granted to increase the current 900 psi pressure limit on New Mexico BZ State NCT-8 Well Nos. 2, 6, 7, and 8. The wells are located in Section 16, T23S, R37E, Lea County, New Mexico.

The present 900 psi limit is as per Order No. R-5317 as shown on the attached letter dated June 30, 1978. The attached step rate tests run in April 1985, show surface fracture pressures of 1330 psi, 1395 psi, 1155 psi and 1370 psi for Well No.s 2, 6, 7, and 8, respectively.

It is requested that authorization be granted to increase the injection pressure as follows:

No. 2	1310 psi
No. 6	1375 psi
No. 7	1135 psi
No. 8	1350 psi

Your consideration is appreciated. Please advise if further information is needed.

Yours very truly,

RH/DJS:jm

Attachment



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

LEASE FILE

JERRY APODACA
GOVERNOR

NICK FRANKLIN
SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

June 30, 1978

Texaco Inc.
Drawer 728
Hobbs, New Mexico 88240

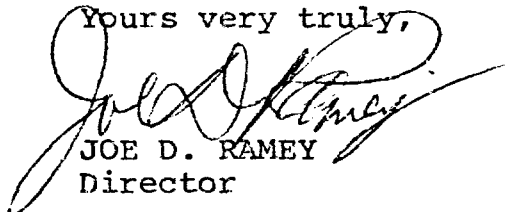
Attention: Mr. J. V. Gannon

Gentlemen:

As authorized in Order No. R-5317, approval is granted to increase injection pressures to 900 psi in the Texaco "BZ" Langlie Mattix Waterflood Project.

Step rate tests which you conducted indicate pressures can be increased to 900 psi without fracturing.

Yours very truly,


JOE D. RAMEY
Director

JDR/fd

7-5-78

RETURN TO	NOTE
FILE	
JVG 7-7	1
JCB	2
VGJ	
JAS 7-6	3
DSS 7-7	4
LL	
FEL	
FVB	
	5

copy in
Engr File

SES 7/7
SWS 7/7
WRS 7/7
WRH

copy to RDT-Midland 7/7 ✓

LAS — copy to Massimo
+ Bill Houn @ Eunice

B & D WELL TESTERS

Step Rate Test

Phone (505) 397-3914

Hobbs, New Mexico 88240

Company Texaco, Inc						Test Date 4-26-85		Unit	
Total Depth		Plug Back TD		Elevation		Lease BZ State NCT 8			
Csg size		Wt	d	Set at	Perfs: From 3465'	To 3596'	Sec	Twp-Blk	Rge
Tbg size 2 3/8		Wt pc	d	Set at	Perfs: From	To	County Lea	State NM	
Producing thru						Packer set at 3357'		Co. Rep Larry Johnson	
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			
12:10	Shut In			711			1" TM		
12:15	start	100		711			Casing pressure 15#		
12:20		100		732					
12:25		100		744					
12:30	15	100	1.0	754					
12:35		300		805			Start pumping		
12:40		300		827					
12:45	30	300	3.1	843					
12:50		500		872			Injection system down		
12:57		300		843			from 12:51-12:57, start		
1:05	restart	500		843			at 300BPD until 843 is		
1:10		500		905			acheived		
1:15		500		924					
1:20	45	500	5.2	942					
1:25		700		992					
1:30		700		1028					
1:35	1hr	700	7.3	1041					
1:40		900		1096			1 1/2 TM		
1:45		900		1117					
1:50	15	900	9.4	1135					
1:55		1100		1191					
2:00		1100		1209					
2:05	30	1100	11.5	1219					
2:10		1300		1272					
2:15		1300		1288					
2:20	45	1300	13.5	1298					
2:25		1500		1346					
2:30		1500		1351					
2:35	2hr	1500	15.6	1360					

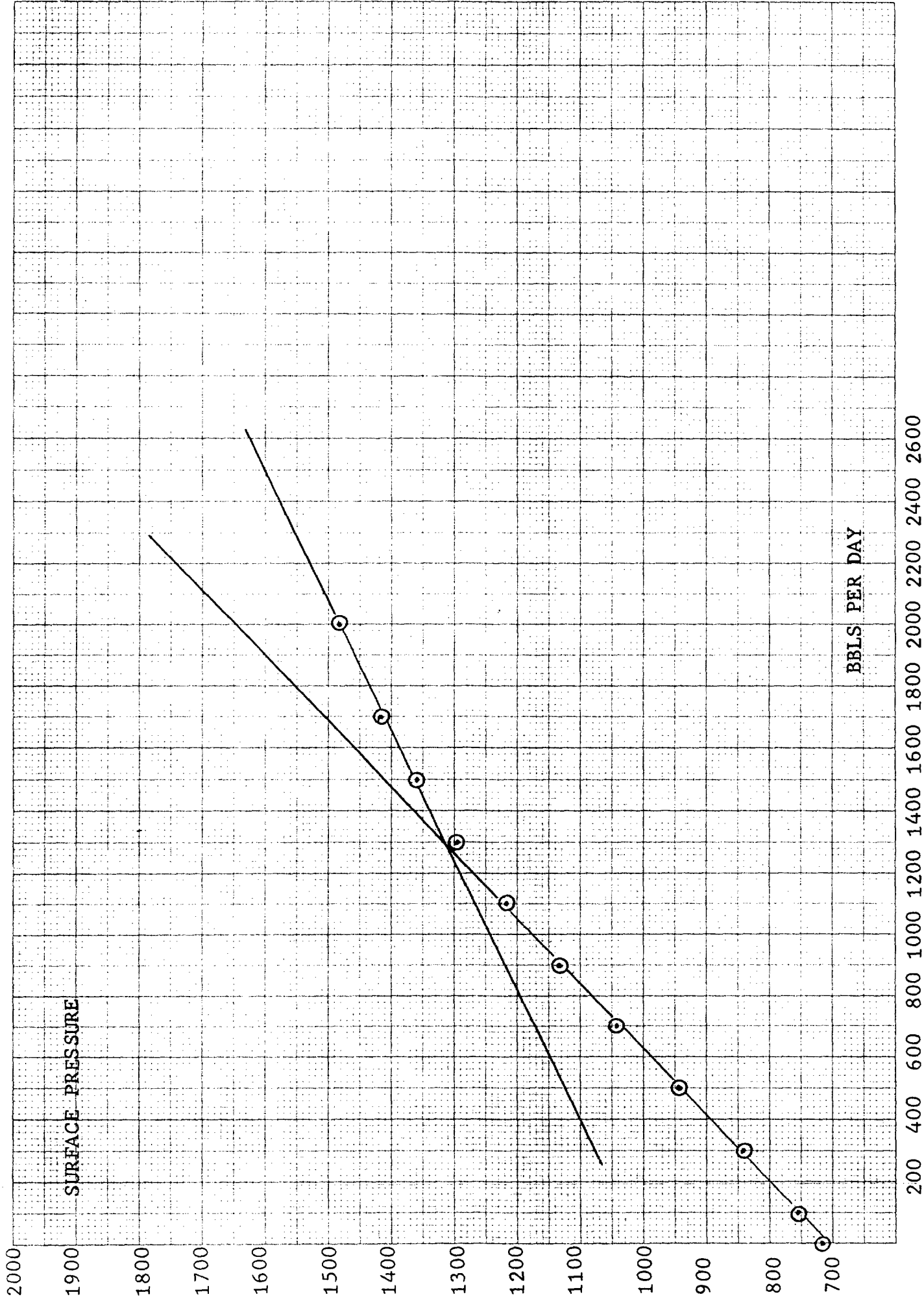
Step Rate Test

Phone (505) 397-3914

Hobbs, New Mexico 88240

Company <u>Texaco, Inc.</u>							Test Date <u>4-26-85</u>			Unit		
Total Depth							Plug Back TD			Elevation		
Csg size							Wt			d		
Set at							Perfs: From			To		
Tbg size							2 3/8 Wt			pc		
d							Set at			Perfs: From		
Producing thru							Packer set at			3357'		
Lease							BZ			State		
Well #							2			Rge		
County							Lea			State		
Co. Rep							Larry			Johnson		

[illegible]



TEXACO INC.
BZ STATE NCT8 #2
4-26-85



ATION BUFFALO, NEW YORK

B & D WELL TESTERS

Step Rate Test

Phone (505) 397-3914

Hobbs, New Mexico 88240

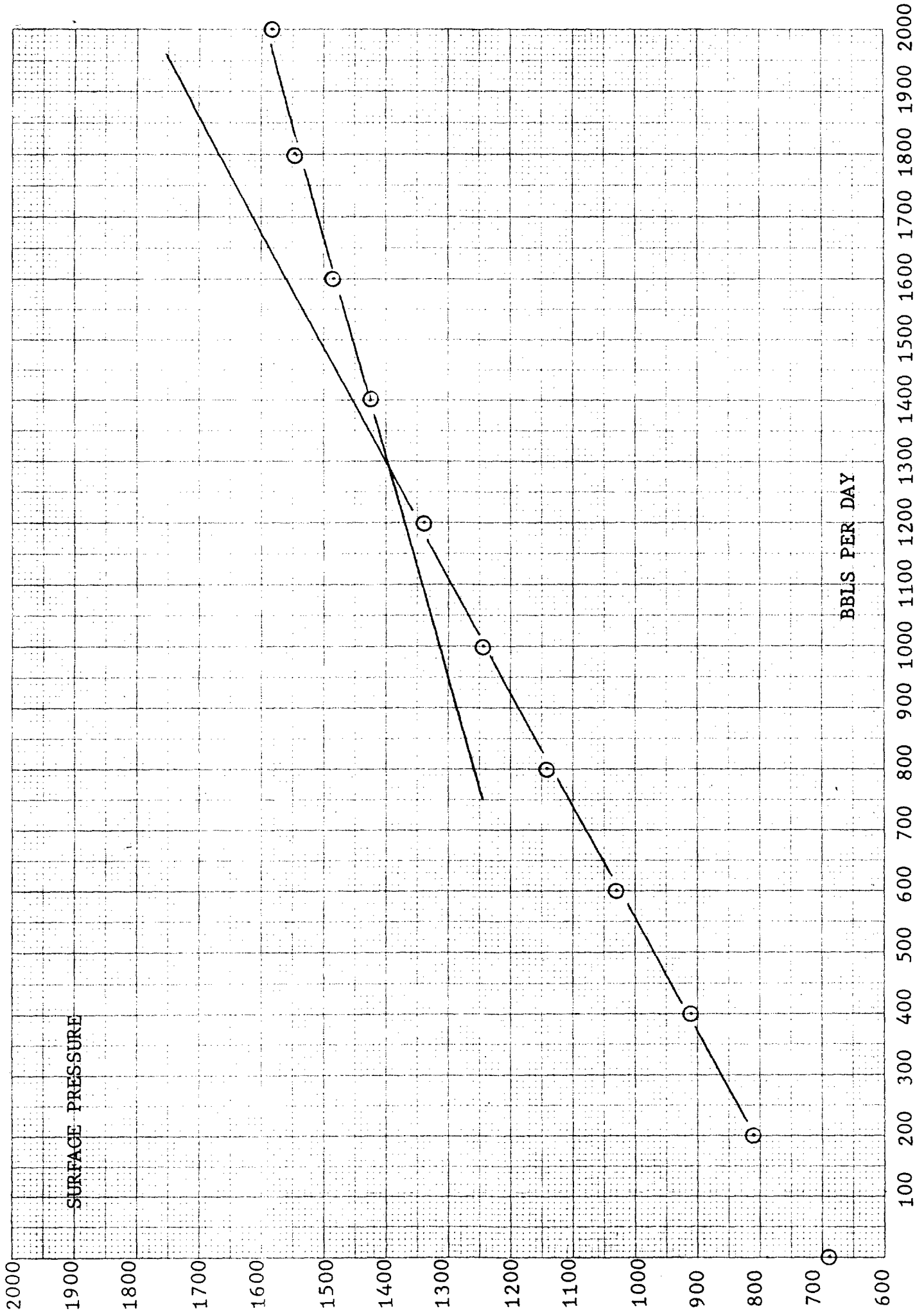
Company Texaco Inc.						Test Date 4-29-85		Unit	
Total Depth						Plug-Back TD		Lease BZ State NCT 8	
Csg size						Wt		Well # 6	
Tbg size						Wt		Sec Twp-Blk Rge	
Producing thru						Packer set at 3400'		County Lea State NM	
Time of Reading						Elap Time Hrs.		Co. Rep	
Rate BBLS Per Day						Total BBLS Per Rate		Remarks	
Surface PSIG						Surface PSI Cor for Friction			
BHP									
Shut in						680			
11:35 start						690			
11:40						200		1 1/2" TM	
11:45						200			
11:50						15		200	
						2.1		808	
11:55						400		858	
12:00						400		869	
12:05						30		400	
						4.2		910	
12:10						600		973	
12:15						600		997	
12:20						45		600	
						6.2		1026	
12:25						800		1076	
12:30						800		1111	
12:35						1hr		800	
						8.3		1142	
12:40						1000		1208	
12:45						1000		1228	
12:50						15		1000	
						10.4		1244	
12:55						1200		1308	
1:00						1200		1329	
1:05						30		1200	
						12..5		1342	
1:10						1400		1394	
1:15						1400		1413	
1:20						45		1400	
						14.6		1426	
1:25						1600		1464	
1:30						1600		1482	
1:35						2hr		1600	
						16.6		1485	
1:40						1800		1534	
1:45						1800		1540	
1:50						15		1800	
						18.6		1545	

Step Rate Test

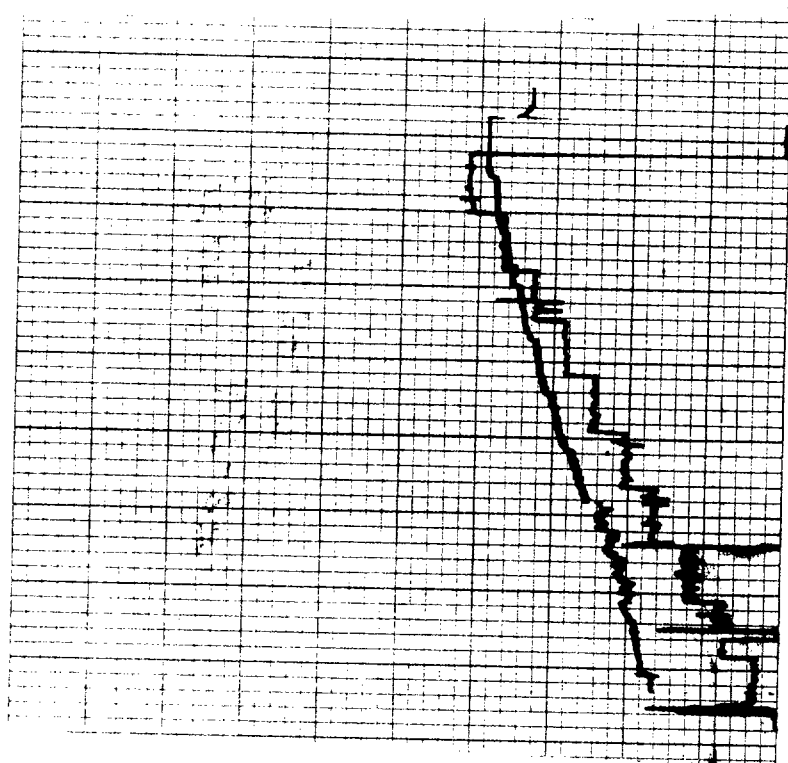
Phone (505) 397-3914

Hobbs, New Mexico 88240

[illegible]



TEXACO INC.
BZ STATE NCT 8 #6
4-29-85



J GRAPHIC CONTROLS CORPORATION BUFFALO, NEW YORK

Step Rate Test

Hobbs, New Mexico 88240

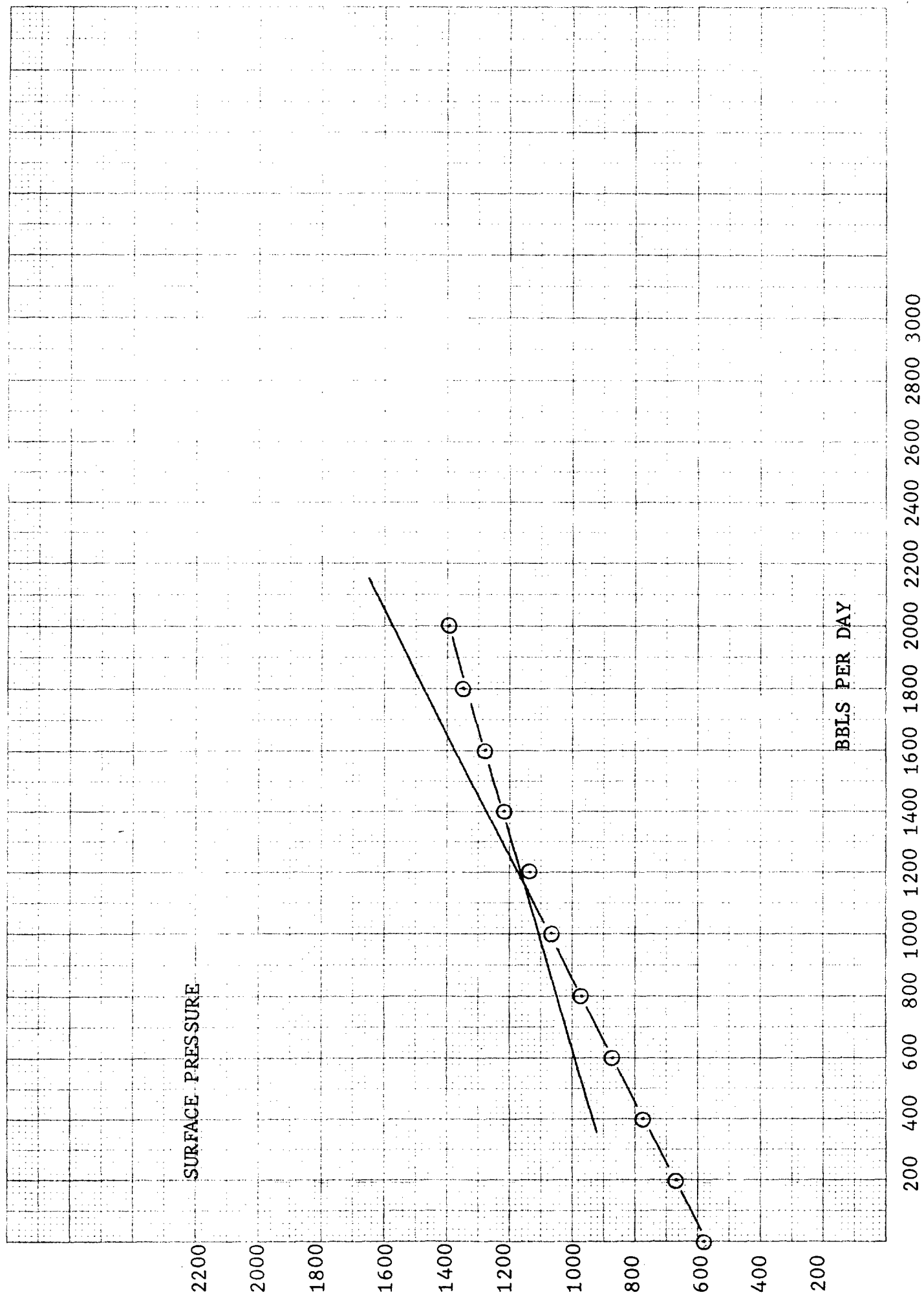
B-6615

Step Rate Test

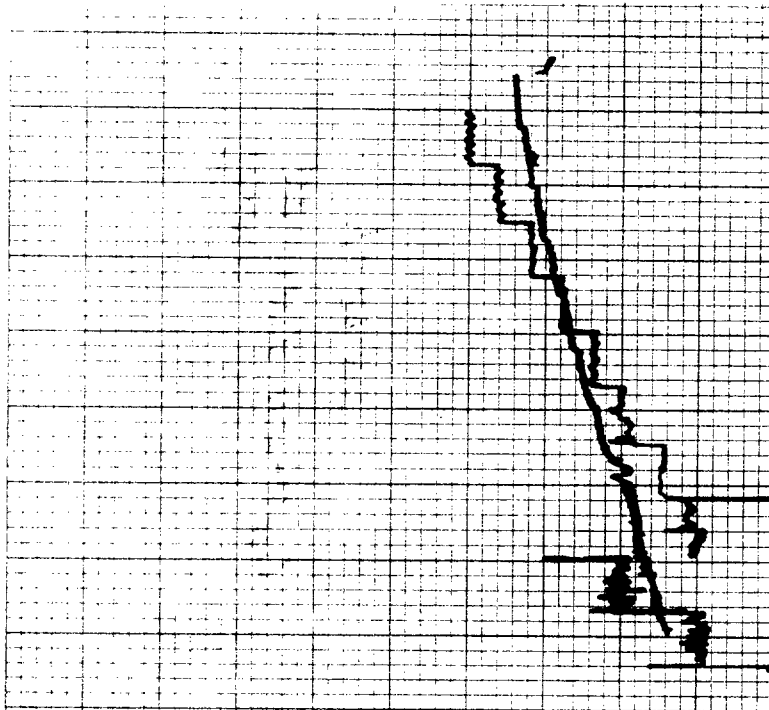
Phone (505) 397-3914

Hobbs, New Mexico 88240

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TEXACO INC.
BZ STATE NCT 8 #7
4-29-85



B & D WELL TESTERS

Step Rate Test

Phone (505) 397-3914

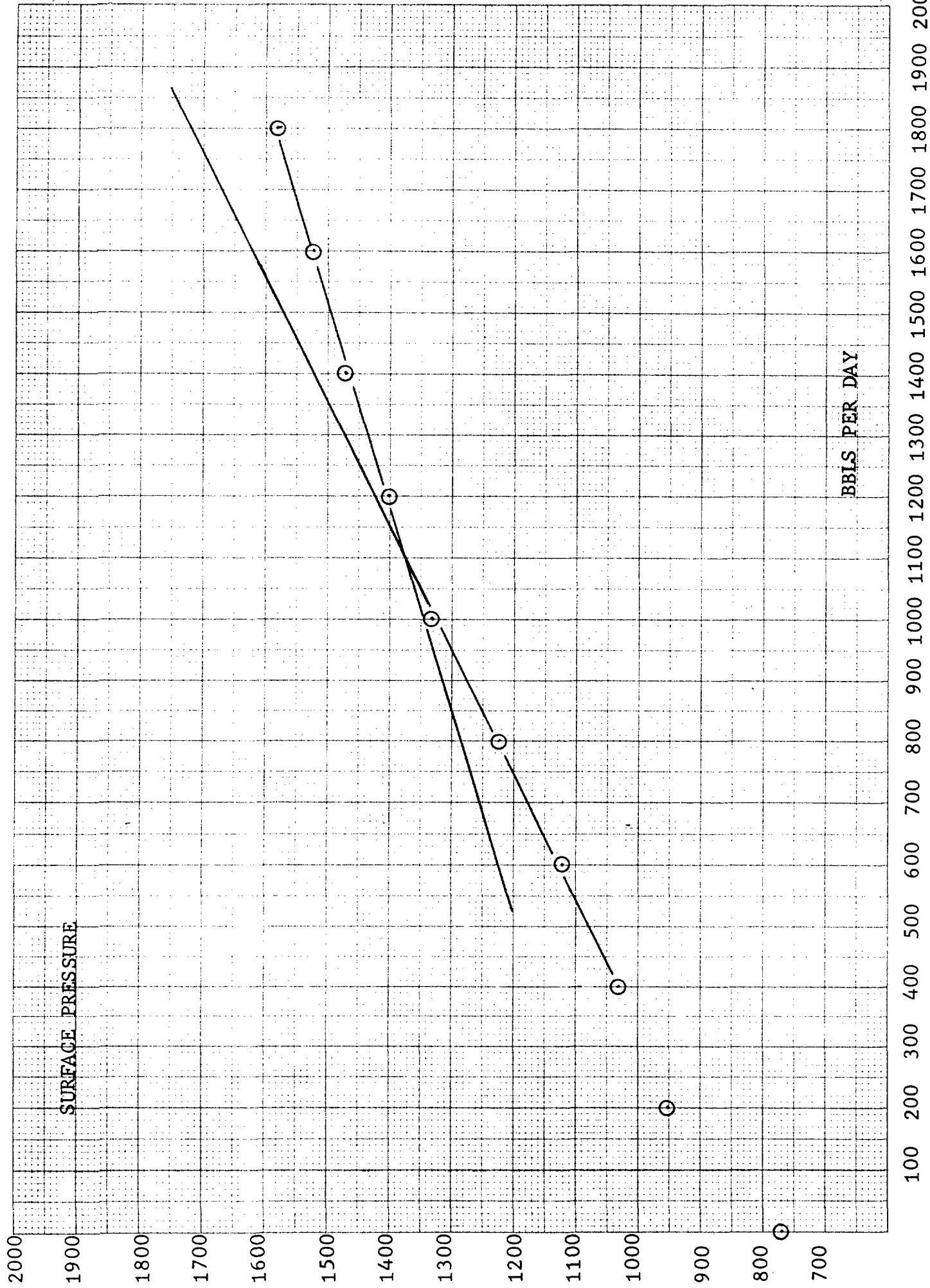
Hobbs, New Mexico 88240

Company Texaco Inc						Test Date 4-30-85		Unit	
Total Depth		Plug Back TD		Elevation		Lease BZ State NCT 8			
Csg size		Wt	d	Set at	Perfs: From 3481' To 3611'		Well # 8		
Tbg size		Wt	d	Set at	Perfs: From		To	Sec	Twp-Blk Rge
Producing thru						Packer set at		County Lea State NM	
Co. Rep									
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			
		Shut In		870					
8:45	start			880					
8:50		200		933					
8:55		200		938					
9:00	15	200	2.1	952					
9:05		400		1003					
9:10		400		1021					
9:15	30	400	4.2	1032					
9:20		600		1068			Start pumping-change 1½TM		
9:25		600		1097					
9:30	45	600	6.2	1122					
9:35		800		1186					
9:40		800		1210					
9:45	1hr	800	8.3	1224					
9:50		1000		1296					
9:55		1000		1318					
10:00	15	1000	10.4	1331					
10:05		1200		1384					
10:10		1200		1396					
10:15	30	1200	12.5	1402					
10:20		1400		1452					
10:25		1400		1466					
10:30	45	1400	14.6	1472					
10:35		1600		1508					
10:40		1600		1515					
10:45	2hr	1600	16.6	1525					
10:50		1800		1564					
10:55		1800		1578					
11:00	15	1800	18.7	1583			End Test		
ISIP				1435			Total BBLS pumped 93.6		
							Parting point appears to be 1370 psi		

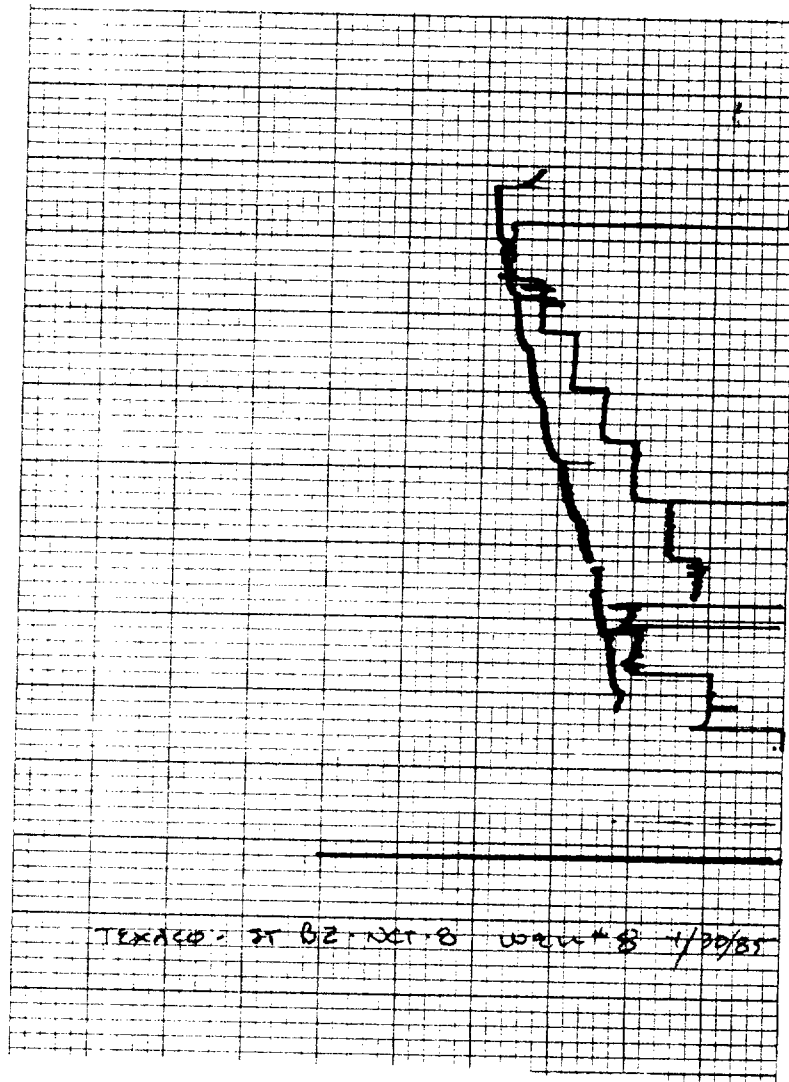
Step Rate Test

Hobbs, New Mexico 88240

B-6615



TEXACO INC.
BZ STATE NCT 8 #8
4-30-85



NEW MEXICO BZ STATE NCT-8 WATERFLOOD
TEXACO W.T. = 100%

6 PRODUCERS
6 INJECTORS
LAMELIE MATTIN SEVEN RIVERS QUEEN

