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NA

ChevronTexaco

June 9, 2003

New Mexico Oil Conservation Division
1220 So. St. Francis Drive
Santa Fe, New Mexico 87505

RECEIVED

JUN 12 2003

OIL CONSERVATION
DIVISION

Attn: Mr. David Catanach

**RE: Injection Pressure Increase
Vacuum Grayburg 249
1390' FNL & 2530' FWL
Section 1, Township 18-S, Range 34-E
Lea County, New Mexico**

(30-025-35563)

Dear Mr. Catanach,

ChevronTexaco is requesting permission to increase the surface injection pressure on Vacuum Grayburg San Andres Unit # 249 (API No. 30-025-35563) from 1550 psig to 1680 psig. This request is based on the Step Rates conducted on May 23rd, 2003 by Gray Wireline Services. The results from the step rate are attached to this letter. The well location is shown on the surface map attached.

On February 13, 2002 the New Mexico OCD granted approval to increase the surface injection pressure to 1550 psig on this vertical injection well, based on step rate tests conducted between January 17 and 18, 2002. The approval letter is also attached. In February 8, 1995 the New Mexico OCD granted approval to increase the surface injection pressure on well VG 149 to 1,845 psig, based on step rate tests conducted on November, 1994. This last well is the nearest in the vicinity of VGSAU 249 and it is an acceptable indication of the pressure regimes around the area.

Please review this information and contact me with any questions or concerns. Thank you.

Sincerely,

Mario A. Ballesteros
Petroleum Engineer
ChevronTexaco
15 Smith Road, Room # 2235
Midland, TX 79705
Tel. (915) 687-7218
Fax (915) 687-7871

DISTRICT I
P. O. Box 1980, Hobbs, NM 88240

DISTRICT II
P. O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV
P. O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised February 10, 1994

Instructions on back

Submit to Appropriate District Office

State Lease-4 copies
Fee Lease-3 copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
				Vacuum Grayburg San Andres	
4 Property Code		5 Property Name			6 Well Number
		Vacuum Grayburg San Andres Unit			249
7 OGRID No.		8 Operator Name			9 Elevation
		TEXACO EXPLORATION & PRODUCTION, INC.			3991'

¹⁰ Surface Location

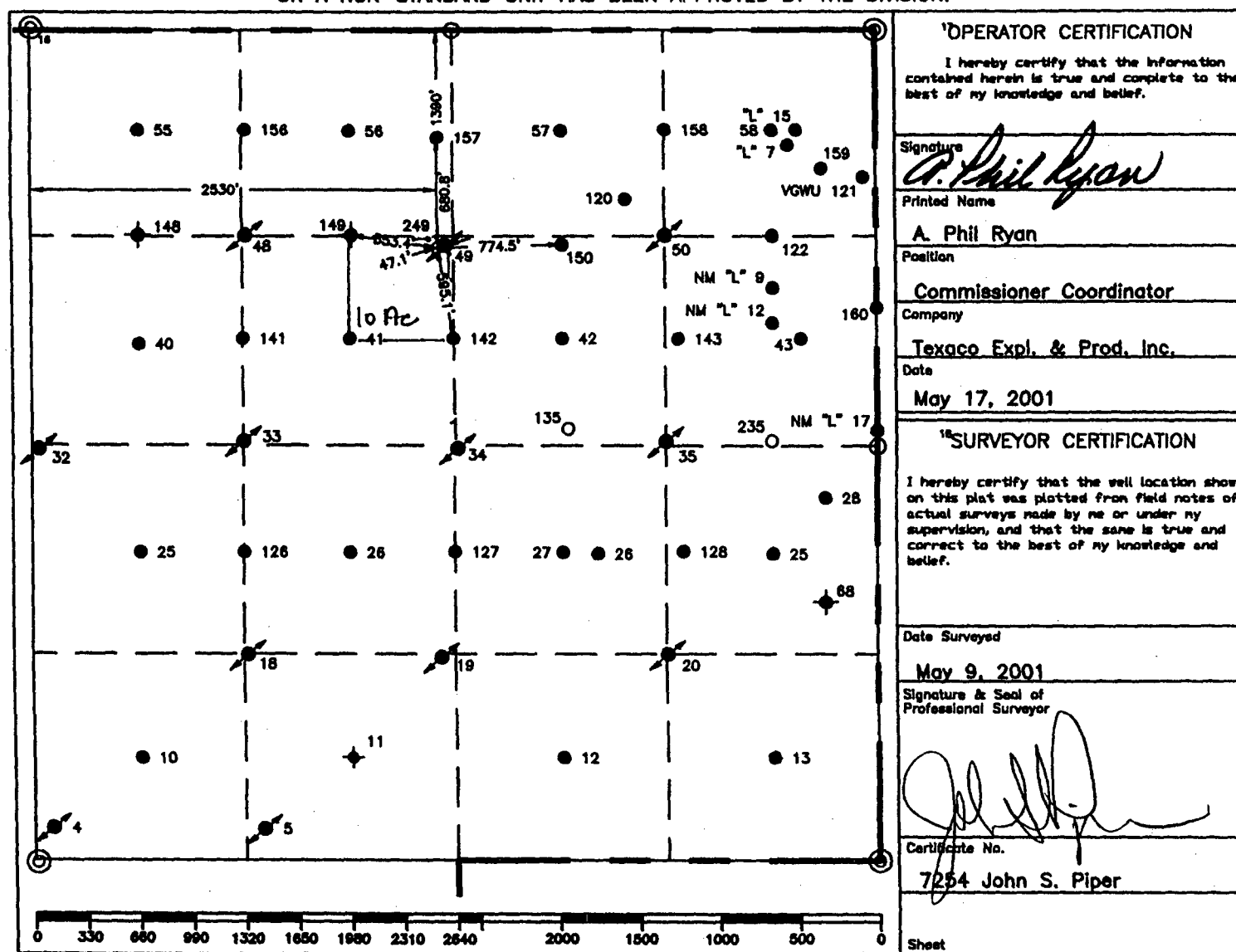
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	1	18-S	34-E		1390'	North	2530'	West	Lea

Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
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12 Dedicated Acres 10	13 Joint or Infill	14 Consolidation Code	15 Order No.
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION.



○ = Staked Location ● = Producing Well ● = Injection Well ◇ = Water Supply Well ◆ = Plugged & Abandon Well
 ⊙ = Found Section Corner, 2 or 3" Iron Pipe & GLO B.C. ○ = Found /4 Section Corner, 1" Iron Pipe & GLO B.C.

ADDITIONAL INFORMATION ON THE LOCATION

State Plane Coordinates			
Northing	648622.84 (1927=648557.86)	Easting	793050.05 (1927=751871.04)
Latitude 32°46'49.510" (1927=32°46'49.064")		Longitude 103°30'51.569" (1927=103°30'49.781")	
Zone	North American Datum	Combined Grid Factor	Coordinate File
East	1983	0.99979145	Buckeye.cr5
Drawing File		Field Book	
VGSAU249.dwg		Lea County 20, Pg. 51	

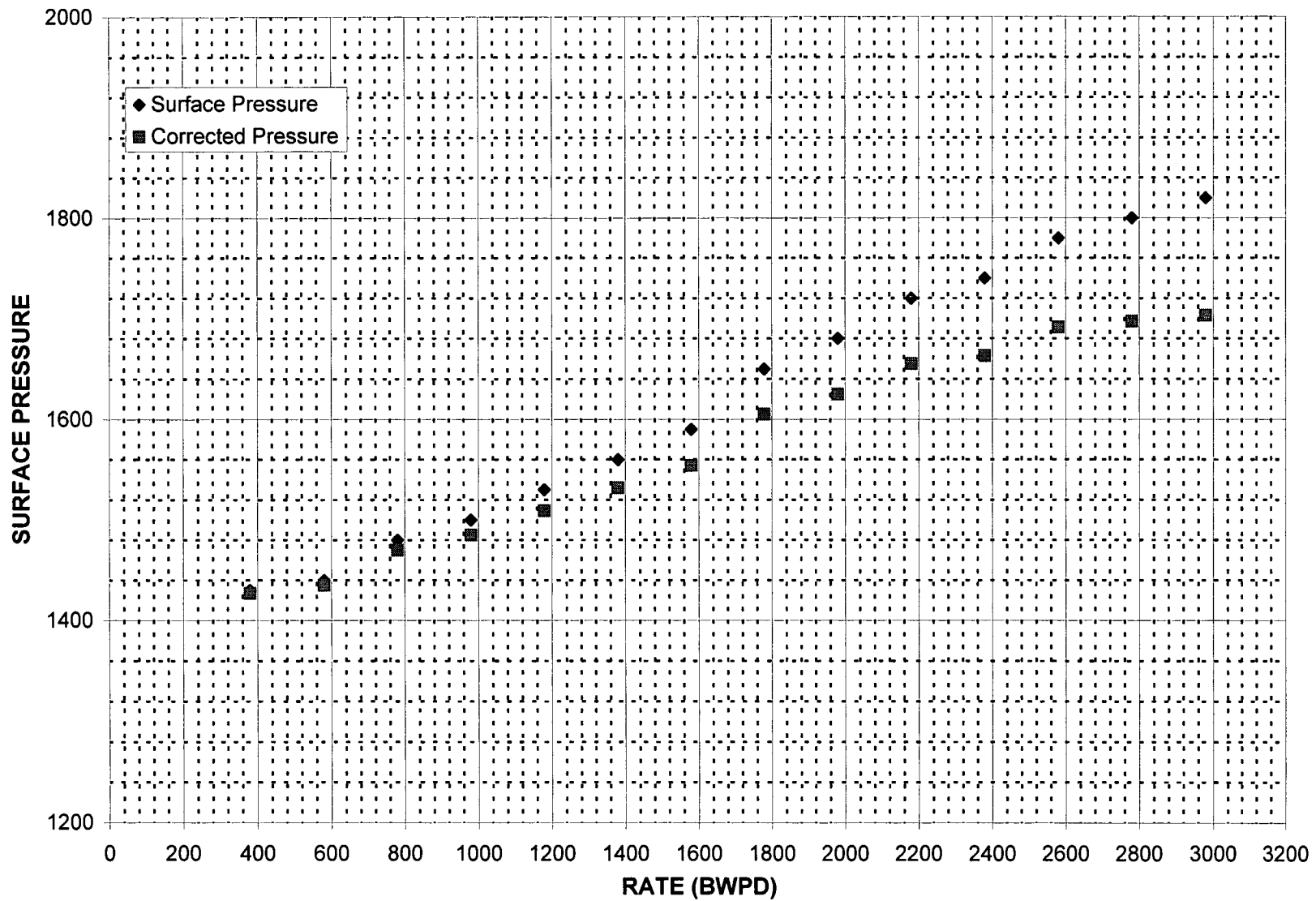
GRAY WIRELINE SERVICES, INC**COMPANY: CHEVRON TEXACO****WELL: VACUUM GRAYBURG UNIT #249****TEST: 15 MINUTE STEP RATE TEST****DATE RUN: MAY 23. 2003****TUBING: 2 7/8" RICE DUOLINE****RATE AND PRESSURE 250 @ 1420 PSI. PRIOR TO PUMPING.**

□

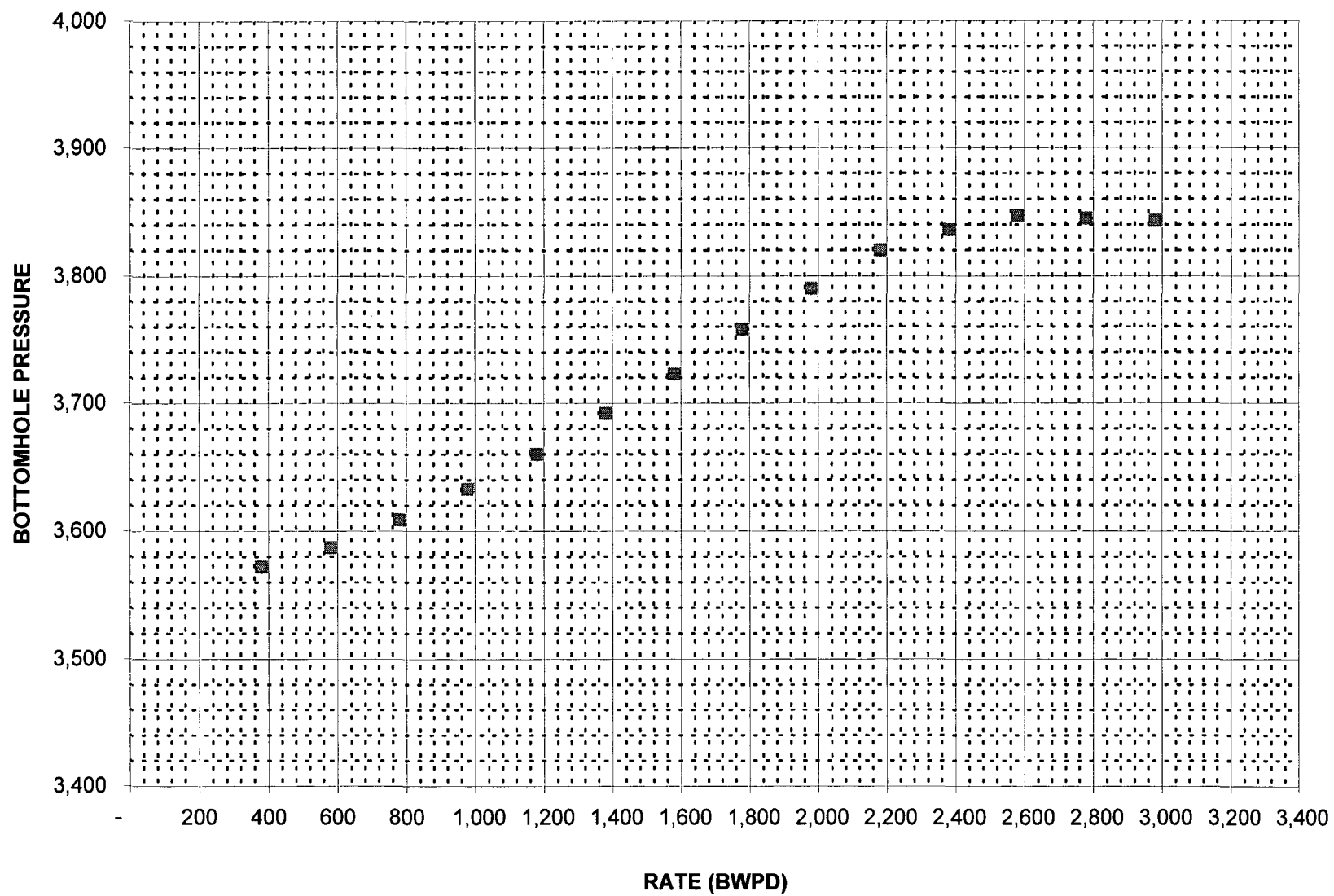
POINT #	TIME	RATE, BPD	Surface Pressure	FRICTION	Corrected Pressure	Measured BHP
1	12:22	380	1430	3	1427	3572
2	12:37	580	1440	5	1435	3587
3	12:52	780	1480	10	1470	3609
4	1:07	980	1500	15	1485	3633
5	1:22	1180	1530	21	1509	3660
6	1:37	1380	1560	28	1532	3692
7	1:52	1580	1590	36	1554	3723
8	2:07	1780	1650	45	1605	3758
9	2:22	1980	1680	55	1625	3790
10	2:37	2180	1720	65	1655	3820
11	2:52	2380	1740	77	1663	3836
12	3:07	2580	1780	89	1691	3847
13	3:22	2780	1800	103	1697	3845
14	3:37	2980	1820	117	1703	3843

Breaking Pressure (@ BH cond.): 3,840 psi

VGU #249



VGU #249



VGU #249

