

February 1, 2002

ChevronTexaco

New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division
Attn: David Catanach
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Subject: Request increase in surface injection for wells Vacuum Grayburg San Andres Unit #135, #235, #249.

Dear Mr. Catanach:

Texaco Exploration and Production Inc. respectfully requests increases in injection pressure for the following Vacuum Grayburg San Andres Unit wells:

Well Number	API Number	Location	Requested Max Surface Water Injection Pressure	Requested Max Surface CO ₂ Injection Pressure
135	3002535561	Unit G, Section 1, T-18S, R-34E	1900 PSIG	1850 PSIG
235	3002535562	Unit G, Section 1, T-18S, R-34E	1900 PSIG	1850 PSIG
249	3002535563	Unit G, Section 1, T-18S, R-34E	1550 PSIG	1850 PSIG

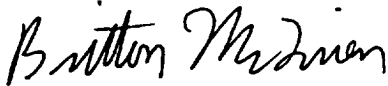
The requested surface injection pressures are in accordance with Order No. R4442-A authorizing Texaco to initiate a tertiary CO₂ flood on the Vacuum Grayburg San Andres Unit.

Enclosed, please find step rate tests for the wells listed above. For wells #135 and #235, no break was observed at pressures in excess of the requested pressures. Well #249 appeared to break at 1659 psig. The requested injection pressure should be sufficiently below the parting pressure to prevent migration of fluids out of zone.

February 1, 2002
Mr. David Catanach
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If you have any questions or comments about this request, please contact Britton M. McQuien @ (915) 687-7218.

Very Truly Yours,

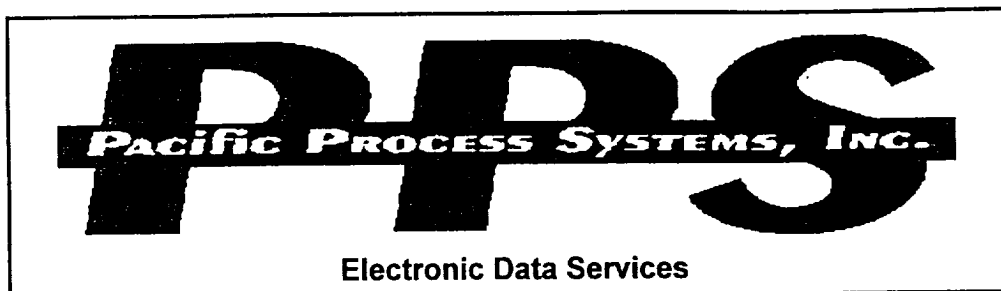


Britton M. McQuien

enclosure

cc: Chris Williams - NMOCD

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Step Rate Injection Test Report

for

Chevron / Texaco

GSAU #249

Unit Letter F

Sec.1 - T18S - R34E

01/18/02

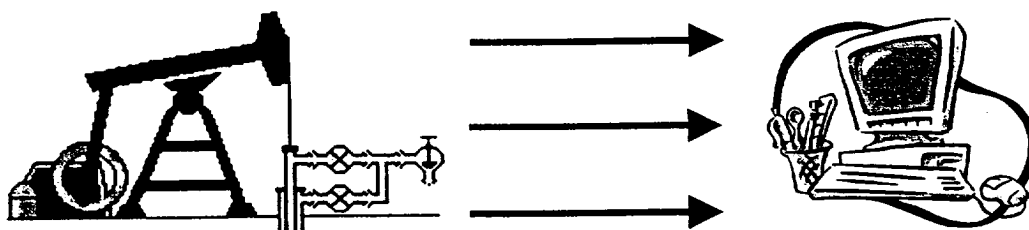


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COMPANY : Chevron / Texaco
WELL : GSAU #249
COMPANY REP: Brett McQueen
PERFORATIONS: N/A

N/A

SERVICE DATES : 01/18/02
TEST TYPE : Step Rate
PPS TECHNICIANS : Joe Brown
BHP GAUGE DEPTH: N/A

01/18/02	9:15	Started Test
01/18/02	9:20	
01/18/02	9:25	
01/18/02	9:30	Rate #1
01/18/02	9:35	
01/18/02	9:40	
01/18/02	9:45	Rate #2
01/18/02	9:50	
01/18/02	9:55	
01/18/02	10:00	Rate #3
01/18/02	10:05	
01/18/02	10:10	
01/18/02	10:15	Rate #4
01/18/02	10:20	
01/18/02	10:25	
01/18/02	10:30	Rate #5
01/18/02	10:35	
01/18/02	10:40	
01/18/02	10:45	Rate #6
01/18/02	10:50	
01/18/02	10:55	
01/18/02	11:00	Rate #7
01/18/02	11:05	
01/18/02	11:10	
01/18/02	11:15	Rate #8
01/18/02	11:20	
01/18/02	11:25	
01/18/02	11:30	Rate #9
01/18/02	11:35	
01/18/02	11:40	
01/18/02	11:45	Rate #10
01/18/02	11:50	
01/18/02	11:55	
01/18/02	12:00	Rate #11
01/18/02	12:05	
01/18/02	12:10	
01/18/02	12:15	Rate #12
01/18/02	12:20	
01/18/02	12:25	
01/18/02	12:30	Rate #13
01/18/02	12:35	
01/18/02	12:40	
01/18/02	12:45	Rate #14
01/18/02	12:50	
01/18/02	12:55	
01/18/02	13:00	Rate #15
01/18/02	13:01	Fall Off

TESTED
12/18/02



COMPANY : Chevron / Texaco
 WELL: GSAU #249
 COMPANY REP: Brett McQueen
 PERFORATIONS: N/A

SERVICE DATES : 01/18/02
 TEST TYPE : Step Rate
 PPS TECHNICIANS : Joe Brown
 BHP GAUGE DEPTH: N/A

	9:15	739.5				
	9:20	757.5	1.7	484.6	14.13	
	9:25	786.8	3.4	485.4	14.16	
1	9:30	785.1	5.1	504.7	14.72	
	9:35	832.1	7.9	806.2	23.51	
	9:40	866.9	10.8	822.5	23.99	
2	9:45	880.8	13.7	830.3	24.22	
	9:50	944.1	17.4	1089.2	31.77	
	9:55	963.8	21.3	1101.7	32.13	
3	10:00	973.2	25.5	1230.3	35.88	
	10:05	1007.8	30.4	1389.6	40.53	
	10:10	1049.4	35.3	1420.1	41.42	
4	10:15	1046.2	40.2	1420.6	41.43	
	10:20	1082.8	46.2	1710.6	49.89	
	10:25	1119.0	52.1	1713.4	49.98	
5	10:30	1111.7	58.1	1721.7	50.22	
	10:35	1177.3	65.0	1991.5	58.09	
	10:40	1198.7	71.9	1997.6	58.26	
6	10:45	1208.1	78.9	1993.2	58.13	
	10:50	1264.3	86.9	2303.7	67.19	
	10:55	1286.8	94.8	2298.8	67.05	
7	11:00	1304.9	102.8	2300.1	67.09	
	11:05	1335.1	111.9	2599.6	75.82	
	11:10	1371.7	120.8	2578.1	75.19	
8	11:15	1399.9	129.8	2577.1	75.17	
	11:20	1452.4	139.8	2881.4	84.04	
	11:25	1478.7	149.8	2885.0	84.14	
9	11:30	1497.7	159.8	2887.5	84.22	
	11:35	1554.9	170.8	3168.6	92.42	
	11:40	1549.8	181.8	3178.4	92.70	
10	11:45	1590.8	192.9	3178.5	92.71	
	11:50	1647.7	205.0	3496.4	101.98	
	11:55	1650.7	217.2	3513.3	102.47	



COMPANY : Chevron / Texaco
WELL: GSAU #249
COMPANY REP: Brett McQueen
PERFORATIONS: N/A

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PPS TECHNICIANS : Joe Brown
BHP GAUGE DEPTH: N/A

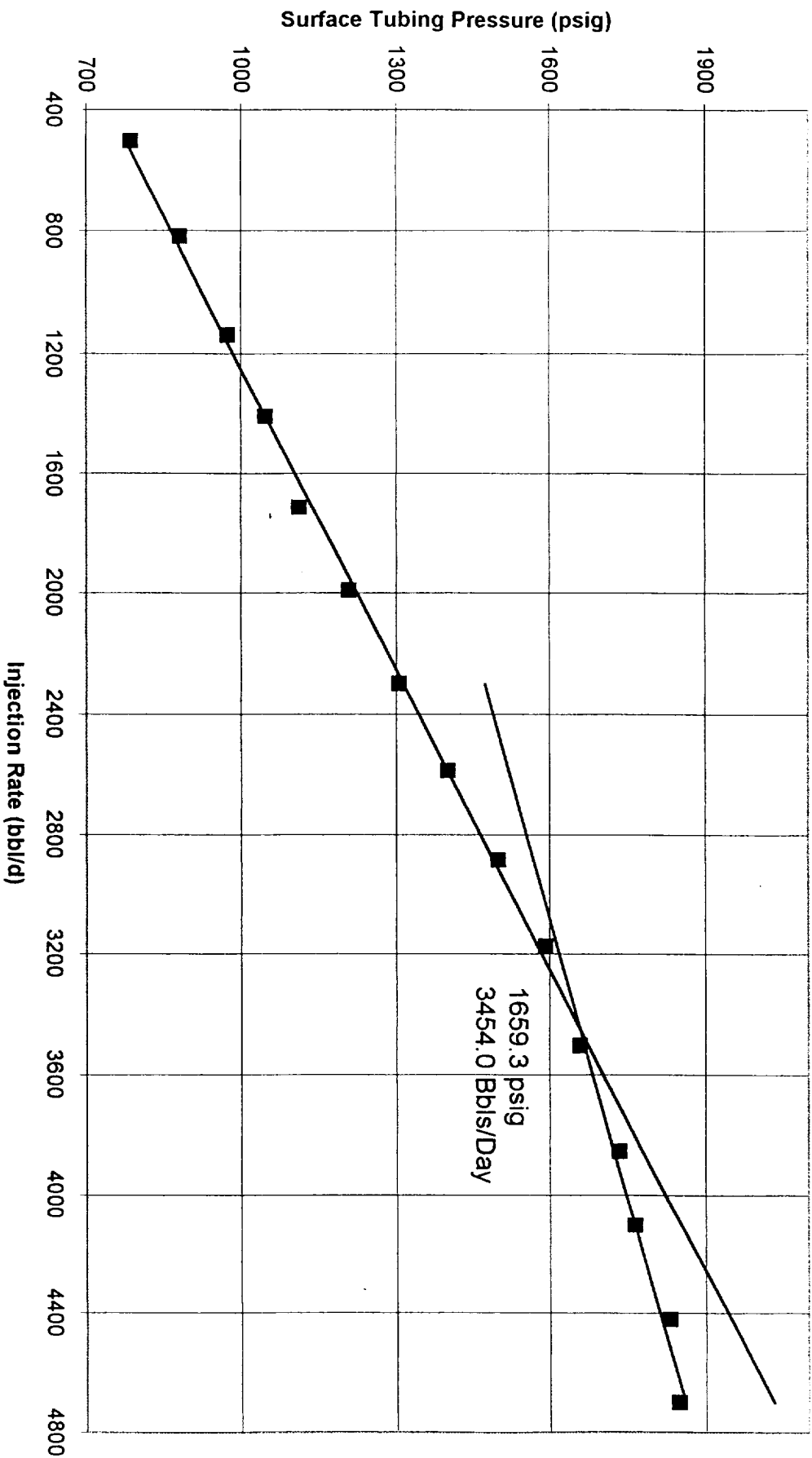
11	12:00	1657.2	229.4	3506.2	102.27	
	12:05	1720.9	242.7	3832.9	111.79	
	12:10	1740.9	256.1	3863.8	112.69	
12	12:15	1734.0	269.5	3865.4	112.74	
	12:20	1769.3	283.8	4096.2	119.47	
	12:25	1766.9	298.0	4108.2	119.82	
13	12:30	1764.1	312.3	4106.7	119.78	
	12:35	1812.9	327.6	4416.0	128.80	
	12:40	1813.7	343.0	4417.9	128.85	
14	12:45	1829.7	358.4	4433.0	129.30	
	12:50	1850.7	374.7	4700.8	137.11	
	12:55	1858.7	391.0	4706.0	137.26	
Falloff	13:00	1847.3	407.3	4698.4	137.04	
	13:01	1466.1				
	13:02	1442.3				
	13:03	1430.7				
	13:04	1421.0				
	13:05	1412.6				
	13:10	1383.9				
	13:15	1365.1				

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02/02

Pacific PROCESS SYSTEMS, Inc.

Step Rate Injection Test

FILED
JUN 10 1997
HOBBS, NM



Phone: (505) 392-8813
Fax: (505) 392-6612

3406 Lovington Hwy.
Hobbs, NM 88240