



Texaco USA

P.O. Box 725
Hobbs, NM 88240
505 398-7197

October 18, 1988

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

Attention: Mr. William LeMay

RE: Injection Pressure Limit Increase
Myers Langlie Mattix Unit Well No. 165
Unit Letter K, Sec. 4, T-24-S, R-37-E
Myers Langlie Mattix Unit Well No. 183
Unit Letter O, Sec. 4, T-24-S, R-37-E
Lea County, New Mexico

Gentlemen:

Texaco Producing Inc. respectfully requests that authorization be granted to exceed the current 900 psi injection pressure limit on the Myers Langlie Mattix Unit Well Nos. 165 and 183. The wells are located in Section 4, T-24-S, R-37-E, Lea County, New Mexico.

The current 900 psi limit is as per the attached New Mexico Oil Conservation Division Order No. WFX460. The attached step rate tests dated September 29 and October 3, 1988 show the surface parting pressures to be 1240 psi on Well No. 165 and 1190 psi on Well No. 183.

It is requested that the injection pressure limit be raised to 1240 psi on Well No. 165 and 1190 psi on Well No. 183. Your consideration is appreciated. Please advise if further information is needed.

Yours very truly,

J. A. Schaffer
District Operations Manager

RH/LDR:JRB

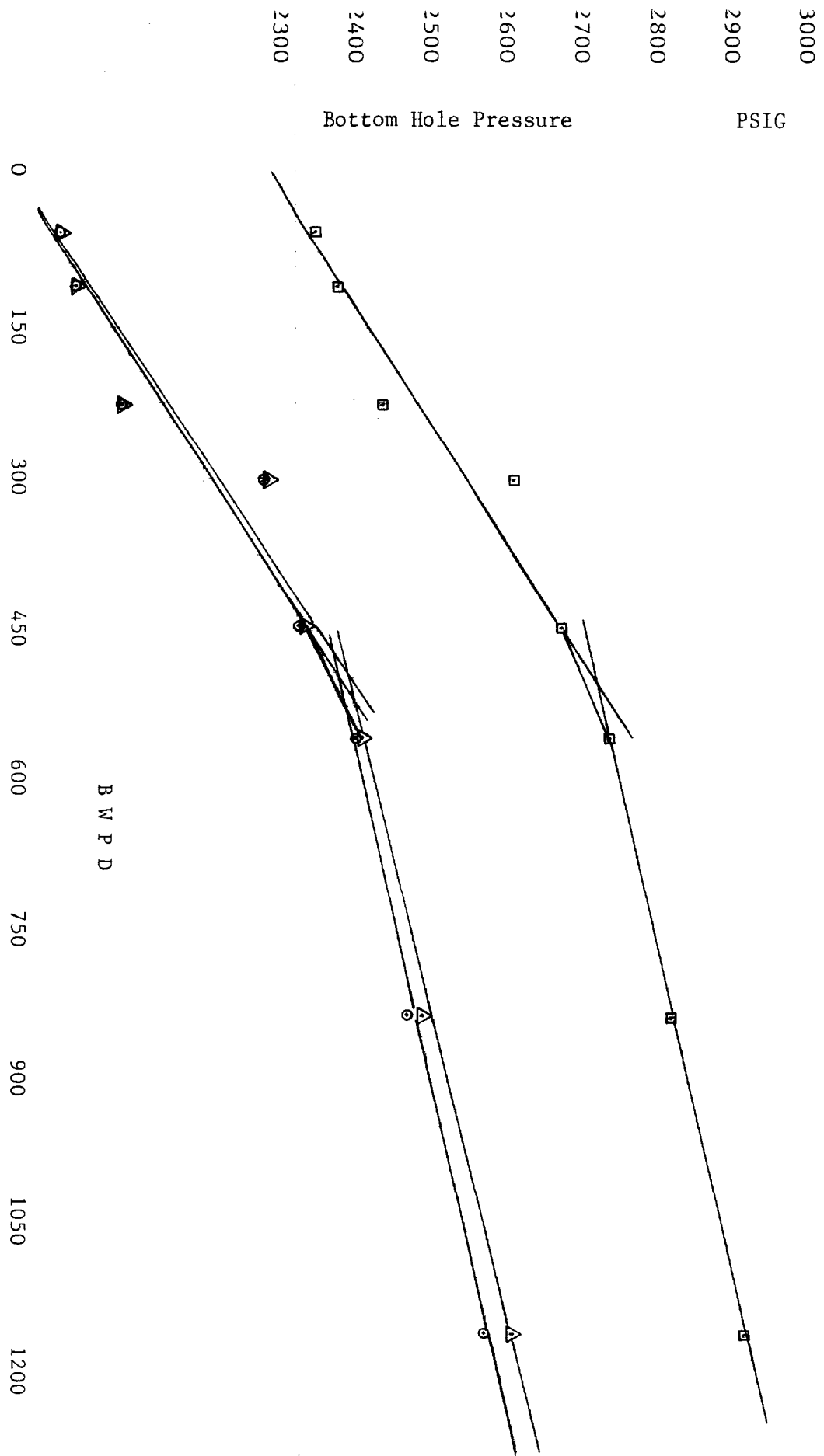
Attachments

cc: NMOCD
Hobbs, NM

Case No.	Order No.	Operator	Lease	Well No.	US-T-R	Pool Formation	Pressure Limit	Increase
WFX	465	Tenneco Oil Co.	Lebard Federal	8	014-265-37E	Queen	None	
		"	"	12	K14-265-37E	"	"	
		"	Leonard Brothers	3	G13-265-37E	Queen	None	
		"	"	5	O13-265-37E	"	"	
		"	Leonard Federal	5	I14-265-37E	Queen	None	
	464	Union Texas Petroleum	Milnesand (San Andres)	18	B18-85-35E	San Andres	None	
	463	Continental Oil Co.	Warren	28	J20-205-38E	McC Lee	1800	
	462	"	Grace Mitchell '8	5	H 5-175-32E	Grayburg - San Andres	None	
	461	J. J. Travis Company	North Shugart Queen	7	L21-185-31E	Queen	640	
	460	Getty Oil Company	Myers Langlie Mathis	5	A30-235-37E	Queen	900	
		"	"	22	K28-235-37E	"	1140	
		"	"	30	K30-235-37E	"	900	
		"	"	32	I25-235-37E	"	900	
		"	"	75	E32-235-37E	"	900	
		"	"	77	G32-235-37E	"	900	
		"	"	84	F34-235-37E	"	900	
		"	"	87	I33-235-37E	"	900	
		"	"	93	K32-235-37E	"	900	
		"	"	111	O32-235-37E	"	900	
		"	"	117	M31-235-37E	"	900	
		"	"	130	A 5-245-37E	"	900	
		"	"	163	I 4-245-37E	"	900	
		"	"	167	I 5-245-37E	"	900	
		"	"	187	M 4-245-37E	"	900	
		"	"	188	M 2-245-37E	"	900	
		"	"	22	E11-245-37E	"	900	
		"	"	115	G30-235-37E	"	900	
		"	"	41	O30-235-37E	"	900	
		"	"	59	A31-235-37E	"	900	
		"	"	81	G33-235-37E	"	900	
		"	"	126	A 4-245-37E	"	900	
		"	"	128	C 4-245-37E	"	900	
		"	"	148	G 4-245-37E	"	900	
		"	"	165	K 4-245-37E	"	900	
		"	"	183	O 4-245-37E	"	900	
		"	"	185	M 3-245-37E	"	900	
		"	"	204	C 7-245-37E	"	900	
		"	"	212	G 7-245-37E	"	900	

■ Bottom Hole Pressure @ 3,520 Feet
 ▲ Recorded Wellhead Pressure
 ○ Corrected Wellhead Pressure Based on 2 3/8" Tubing

TEXACO PRODUCING, INC.
 M L M U No. 183
 Step-rate Injection Test



Wellhead Pressure PSIG

800 900 1000 1100 1200 1300 1400 1500

JOHN WEST ENGINEERING CO.
Step Rate Injection Test

Well Name M L M U No. 183

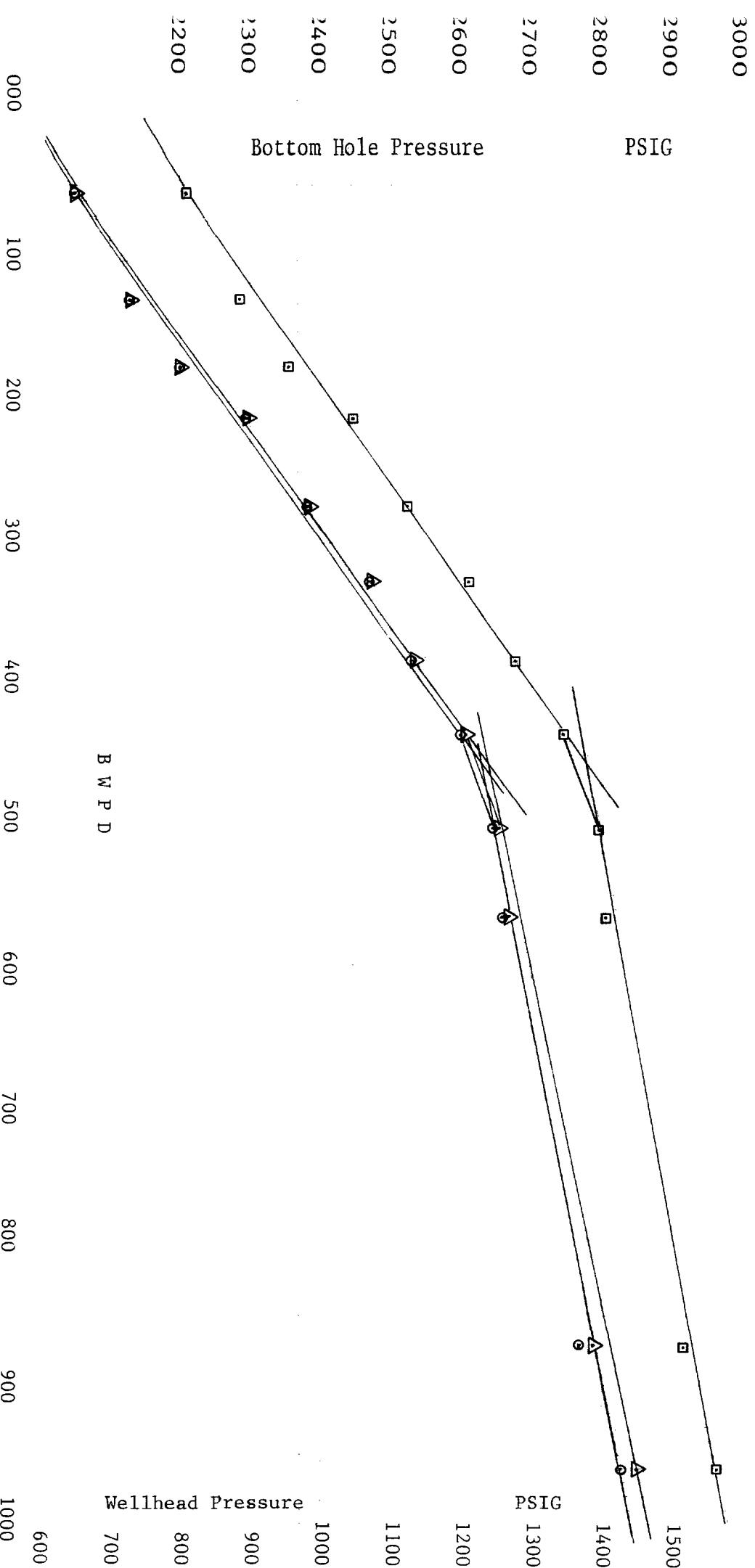
Date October 3, 1988

CO. Name Texaco Producing, Inc.

Remarks	Time	Tbg. Press.	Rate B P D	Total	B H P	Tbg. Press.	Rate G P M	HEAD LOSS
	11:35 AM	760.5		0	2310.2			
	11:40	792.3	54.72	.19	2327.3			
	11:45	790.8	60.48	.40	2336.9			
Rate I	11:50	806.0	54.72	.59	2345.0	805.86	1.65	.14
			56.64					
	11:55 AM	813.5	112.32	.98	2359.9			
	12:00noon	821.1	109.44	1.36	2370.4			
Rate II	12:05 PM	828.9	100.80	1.71	2378.6	828.43	3.14	.47
			107.52					
	12:10	853.1	230.40	2.51	2407.5			
	12:15	878.6	224.64	3.29	2425.3			
Rate III	12:20	890.0	221.76	4.06	2439.8	888.13	6.58	1.87
			225.60					
	12:25	1046.6	293.76	2.98	2585.3			
	12:30	1059.4	302.40	4.03	2602.3			
Rate IV	12:35	1085.0	308.16	5.10	2614.2	1081.80	8.79	3.20
			301.44					
	12:40	1120.9	460.80	6.70	2644.0			
	12:45	1134.8	443.52	8.24	2662.0			
Rate V	12:50	1137.3	440.64	9.77	2676.4	1130.64	13.08	6.66
			448.32					
	12:55	1159.1	483.84	11.45	2698.1			
	1:00	1185.1	584.64	13.48	2720.6			
Rate VI	1:05	1213.5	607.68	15.58	2740.2	1203.49	16.30	10.01
			558.72	Changed Pumps				
	1:10	1213.4	829.12	1.49	2749.4			
	1:15	1267.0	832.32	4.38	2794.2			
Rate VII	1:20	1293.8	838.08	7.29	2820.7	1272.84	24.30	20.96
			833.17					
	1:25	1366.9	1157.76	11.31	2870.3			
	1:30	1397.7	1160.64	15.34	2899.2			
Rate VIII	1:35	1416.8	1143.36	19.31	2922.5	1378.52	33.66	38.28
			1153.92					
Fall-off	1:40	1311.8			2861.1			
	1:45	1291.4			2839.5			

□ Bottom Hole Pressure @ 3,520 Feet
△ Recorded Wellhead Pressure
○ Corrected Wellhead Pressure Based on 2 3/8" Tubing

TEXACO PRODUCING INC.
M L M U No. 165
Step Rate Injection Test



JOHN WEST ENGINEERING CO.
Step Rate Injection Test

Well Name M L M U No: 165
CO. Name TEXACO PRODUCING CO.

Date 9-29-88

Remarks	Time	Tbg. Press.	Rate B P D	Total	B H P	Tbg. Press.	Rate G P M	HEAD LOSS
Begin Pumping	9:20							
	9:25	636.7	63.3	.80	2203.2			
	9:30	643.3	60.48	1.01	2204			
RATE I	9:35	649.8	46.08	1.17	2212.9	649.66	1.65	.14
			56.64					
	9:40	721.5	144.0	1.67	2268.6			
	9:45	734.5	120.96	2.09	2281.2			
RATE II	9:50	730.9	118.08	2.50	2286.4	730.26	3.72	.64
			127.68					
	9:55	801.3	175.68	3.11	2330.9			
	10:00	774.5	178.56	3.73	2342.8			
RATE III	10:05	800.3	172.80	4.33	2357.6	799.15	5.12	1.15
			175.68					
	10:10	863	216.00	5.08	2410.40			
	10:15	882.3	213.12	5.82	2427.50			
RATE IV	10:20	900.2	204.48	6.53	2444.50	898.58	6.16	1.62
			211.20					
	10:25	951.4	282.24	7.51	2494.50			
	10:30	960.3	270.72	8.45	2512.40			
RATE V	10:35	983.3	276.48	9.41	2521	980.63	8.06	2.67
			276.48					
	10:40	1040.9	334.08	10.57	2587.6			
	10:45	1069.1	325.44	11.70	2599.60			
RATE VI	10:50	1074.3	325.44	12.83	2613.9	1070.63	9.58	3.67
			328.32					
	10:55	1107.6	383.04	14.16	265.20			
	11:00	1123.0	380.16	15.48	2667.0			
RATE VII	11:05	1138.4	385.92	16.82	2679.10	1133.52	11.17	4.88
			383.00					
	11:10	1176.8	455.04	18.40	2725.3			
	11:15	1216.5	429.12	19.89	2738.10			
RATE VIII	11:20	1206.2	423.36	21.36	2747.20	1200.00	12.71	6.20
			435.84					
	11:25	1245.9	512.64	23.14	2782.40			
	11:30	1254.9	501.12	24.88	2789.20			
RATE IX	11:35	1254.9	498.24	26.61	2799.1	1246.71	14.70	8.11
			504.0					

JOHN WEST ENGINEERING CO.
Step Rate Injection Test

Well Name M L M U No: 165

Date 9-29-88

CO. Name TEXACO PRODUCING CO.

[illegible]