STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

May 25, 1994

CF 10573

Texaco Exploration and Production, Inc.
P.O. Box 730
Hobbs, NM 88241-0730

WFX-644
PDEV0020600644

Attention: Darlene de Aragao

RE: Injection Pressure Increase Rhodes Yates Unit Waterflood Project, Lea County, New Mexico

Dear Ms. de Aragao:

Reference is made to your request dated April 28, 1994, to increase the surface injection pressure on the Rhodes Yates Unit Well Nos. 4, 8 and 13. This request is based on step rate tests conducted on these wells April 20 to April 22, 1994. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on the Rhodes Yates Unit Well Nos. 4 and 8 is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following wells. Your request to increase the surface injection pressure to 1360 psi on the Rhodes Yates Unit Well No. 13 is hereby denied.

Well and Location	**Maximum Injection Surface Pressure**
Rhodes Yates Unit Well No. 4 Unit A, Section 28, Township 26 South, Range 37 East, NMPM	730 PSIG
Rhodes Yates Unit Well No. 8 Unit E, Section 27, Township 26 South, Range 37 East, NMPM	650 PSIG
Both wells located in Lea County, New Mexico.	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

Sincerely,

William J. LeMay
Director

WJL/DRC/amg

cc: Oil Conservation Division - Hobbs
File: WFX-644
Case No. 10573
R. Brown

NO WAITING PERIOD

COMPANY: Texaco Exploration & Production Inc.

ADDRESS: P.O. Box 730

CITY, STATE, ZIP: Hobbs, New Mexico 88241-0730

ATTENTION: Darlene de Aragao

Re: Injection Pressure Increase
Rhodes Yates Unit
Waterflood Project
Lea County, New Mexico

Dear Sir:

Reference is made to your request dated April 28, 1994, to increase the surface injection pressure on the Rhodes Yates Unit Well Nos 4, 8, and 13. This request is based on step rate tests conducted on these wells April 20-22, 1994. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on ~~these wells~~ the Rhodes Yates Unit Well Nos 4 and 8 is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following wells: Your request to increase the surface injection pressure to 1360 psi on the Rhodes Yates Unit Well No. 13 is hereby denied.

Well & Location	Maximum Injection Surface Pressure
Rhodes Yates Unit Well No. 4 Unit A, Sec. 28, T-26-South, R-37-East, NMPM	730 psig
Rhodes Yates Unit Well No. 8 Unit E, Sec. 27, T-26-South, R-37-East, NMPM	650 psig
Lea County, New Mexico	

The Division Director may rescind this injection pressure increase if it becomes apparent that the injected water is not being confined to the injection zone or is endangering any fresh water aquifers.

xc: ~~T. GALLEGOS~~ D. CATANACH FILE- WFX-644 OCD- Hobbs
R. Brown Case No 10573

Texaco E & P

730

April 28, 1994

New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe N.M. 87504

Attn: Mr. David Catanach
Engineer, New Mexico Oil Conservation Division

Re: PRESSURE INCREASE ON INJECTION WELL
Rhodes Yates Unit No. 4
Unit A, Section 28
T-26-S, R-37-E
Lea County, New Mexico

Dear David:

Texaco Exploration and Production Inc. requests an increase in the maximum allowable pressure on the above well from 600 psig to 760 psig. A step rate injection test was ran on the well. Results of the test are attached.

If you have any questions concerning this request, please contact me at 397-0424. Thank you for your assistance in this matter.

Yours very truly,

Darlene de Aragao
Production Engineer

/ddd
Chrono
Attachments
cc: Jerry Sexton/NMOCD/Hobbs

WFX-644

WEST-TEST, INC.

A SUBSIDIARY OF JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: TEXACO EXPLORATION AND PRODUCTION

DATE: APRIL 20, 1994

WELL NAME: RHODES YATES UNIT NO.4
LEA COUNTY, NEW MEXICO

WO#: 94-14-0663

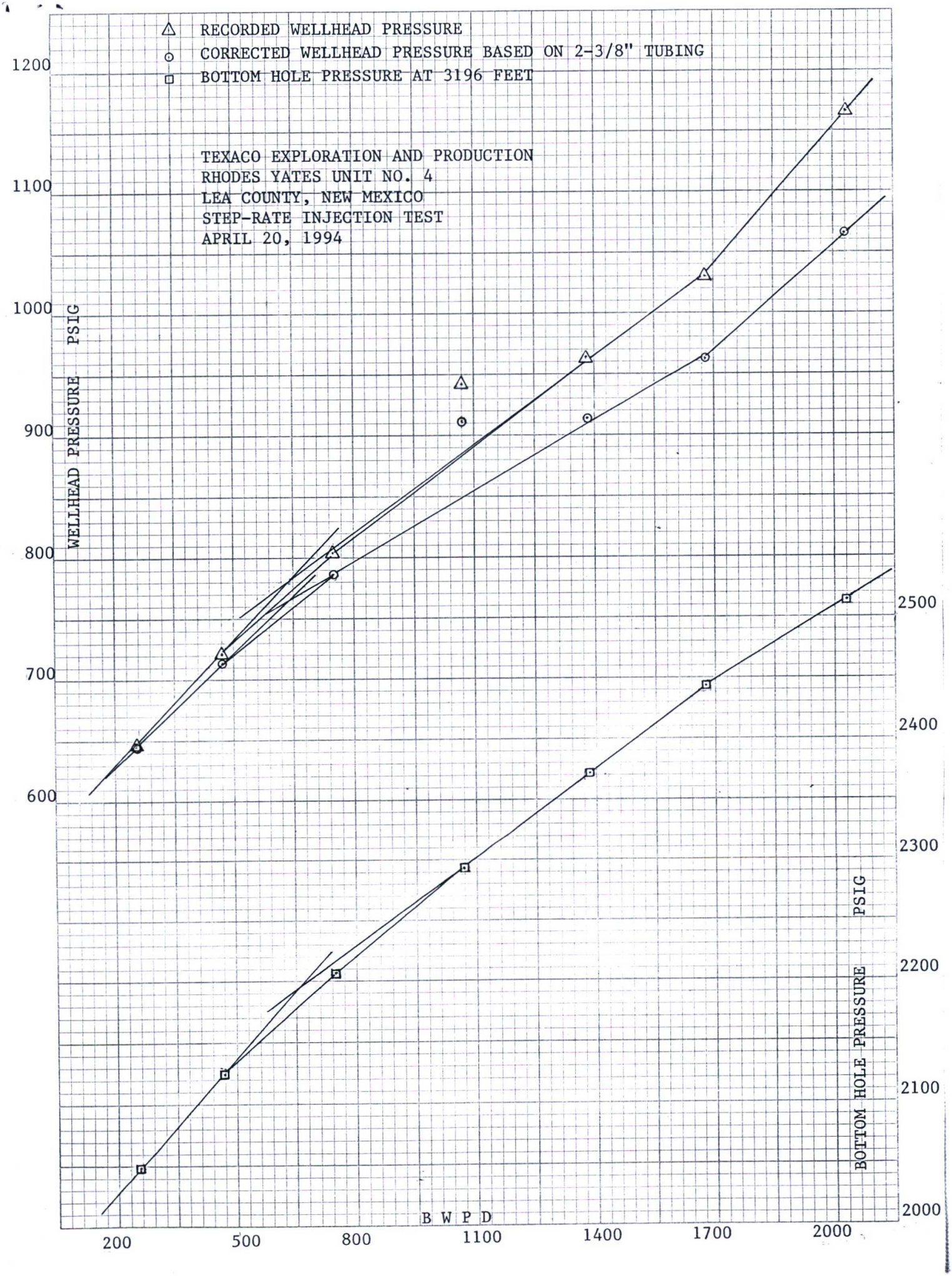
MID-PERFS. = 3080-3312

PACKER DEPTH = 3030

BHP GAUGE DEPTH = 3196

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1)-(4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
	7:55	564.1				564.1		1959.7
	8:00	615.0	0.9	259.2	2.268	612.7	7.56	2012.8
	8:05	636.5	1.8	259.2	2.268	634.2	7.56	2025.2
	8:10	638.8	2.7	259.2	2.268	636.5	7.56	2033.9
	8:15	642.5	3.7	288.0	2.756	639.7	8.40	2041.0
	8:20	646.2	4.6	259.2	2.268	643.9	7.56	2045.8
1	8:25	648.7	5.4	230.4	1.824	646.9	6.72	2049.0
				259.2				
	8:30	661.5	7.0	460.8	6.576	654.9	13.44	2080.1
	8:35	720.3	8.6	460.8	6.576	713.7	13.44	2090.7
	8:40	697.3	10.3	489.6	7.356	689.9	14.28	2099.7
	8:45	665.2	11.9	460.8	6.576	658.6	13.44	2107.8
	8:50	657.3	13.6	489.6	7.356	649.9	14.28	2117.6
2	8:55	720.7	15.2	460.8	6.576	714.1	13.44	2124.1
				470.4				
	9:00	713.8	17.8	748.8	16.145	697.7	21.84	2160.8
	9:05	731.2	20.4	748.8	16.145	715.1	21.84	2173.8
	9:10	757.6	23.0	748.8	16.145	741.5	21.84	2182.8
	9:15	767.4	25.6	748.8	16.145	751.3	21.84	2191.7
	9:20	765.8	28.1	720.0	15.015	750.8	21.00	2199.9
3	9:25	803.8	30.7	748.8	16.145	787.7	21.84	2208.0
				744.0				
	9:30	861.1	34.6	1123.2	34.182	826.9	32.76	2248.0
	9:35	892.9	38.2	1036.8	29.477	863.4	30.24	2261.8
	9:40	913.2	41.9	1065.6	31.010	882.2	31.08	2272.4
	9:45	919.4	45.6	1065.6	31.010	888.4	31.08	2278.9
	9:50	930.7	49.3	1065.6	31.010	899.7	31.08	2286.3
4	9:55	942.0	53.0	1065.6	31.010	911.0	31.08	2292.0
				1070.4				

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1) – (4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
	10:00	991.6	57.8	1382.4	50.191	941.4	40.32	2323.8
	10:05	988.8	62.6	1382.4	50.191	938.6	40.32	2336.0
	10:10	964.3	67.4	1382.4	50.191	914.1	40.32	2346.6
	10:15	968.0	72.2	1382.4	50.191	917.8	40.32	2354.7
	10:20	967.8	77.0	1382.4	50.191	917.6	40.32	2363.7
5	10:25	963.9	81.8	1382.4	50.191	913.7	40.32	2371.9
				1382.4				
	10:30	985.5	87.6	1670.4	71.231	914.3	48.72	2397.1
	10:35	1028.8	93.4	1670.4	71.231	957.6	48.72	2409.3
	10:40	1073.4	99.3	1699.2	73.520	999.9	49.56	2419.1
	10:45	1077.1	105.1	1670.4	71.231	1005.9	48.72	2428.9
	10:50	1054.0	111.0	1699.2	73.520	980.5	49.56	2437.0
6	10:55	1029.6	116.7	1641.6	68.976	960.6	47.88	2444.4
				1675.2				
	11:00	1110.2	123.8	2044.8	103.551	1006.6	59.64	2469.6
	11:05	1137.4	130.9	2044.8	103.551	1033.8	59.64	2481.9
	11:10	1138.6	138.0	2044.8	103.551	1035.0	59.64	2490.8
	11:15	1155.2	145.0	2016.0	100.869	1054.3	58.80	2499.0
	11:20	1162.7	152.0	2016.0	100.869	1061.8	58.80	2507.1
7	11:25	1167.9	159.0	2016.0	100.869	1067.0	58.80	2514.5
				2030.4				
FALLOFF	11:26	1014.3				1014.3		2469.6
	11:27	995.2				995.2		2454.1
	11:28	983.7				983.7		2441.9
	11:29	973.6				973.6		2432.1
	11:30	964.7				964.7		2423.2
	11:35	930.1				930.1		2388.9
	11:40	903.2				903.2		2361.3
	11:45	882.0				882.0		2339.2
	11:50	863.0				863.0		2319.7
	11:55	844.8				844.8		2303.4


RECORDED WELLHEAD PRESSURE
CORRECTED WELLHEAD PRESSURE BASED ON 2-3/8" TUBING
BOTTOM HOLE PRESSURE AT 3196 FEET
TEXACO EXPLORATION AND PRODUCTION
RHODES YATES UNIT NO. 4
LEA COUNTY, NEW MEXICO
STEP-RATE INJECTION TEST
APRIL 20, 1994
WELLHEAD PRESSURE PSIG
1200
1100
1000
900
800
700
600
BOTTOM HOLE PRESSURE PSIG
2500
2400
2300
2200
2100
2000
B W P D
200
500
800
1100
1400
1700
2000

Texaco E & P

April 28, 1994

New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe N.M. 87504

650

Attn: Mr. David Catanach
Engineer, New Mexico Oil Conservation Division

Re: PRESSURE INCREASE ON INJECTION WELL
Rhodes Yates Unit No. 8
Unit E, Section 27
T-26-S, R-37-E
Lea County, New Mexico

Dear David:

Texaco Exploration and Production Inc. requests an increase in the maximum allowable pressure on the above well from 600 psig to 670 psig. A step rate injection test was ran on the well. Results of the test are attached.

If you have any questions concerning this request, please contact me at 397-0424. Thank you for your assistance in this matter.

Yours very truly,

Dal de Aragao

Darlene de Aragao
Production Engineer

/ddd
Chrono
Attachments
cc: Jerry Sexton/NMOCD/Hobbs

WEST – TEST, INC.

A SUBSIDIARY OF JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: TEXACO EXPLORATION AND PRODUCTION

DATE: APRIL 21, 1994

WELL NAME: RHODES YATES UNIT NO. 8
LEA COUNTY, NEW MEXICO

WO#: 94-14-0664

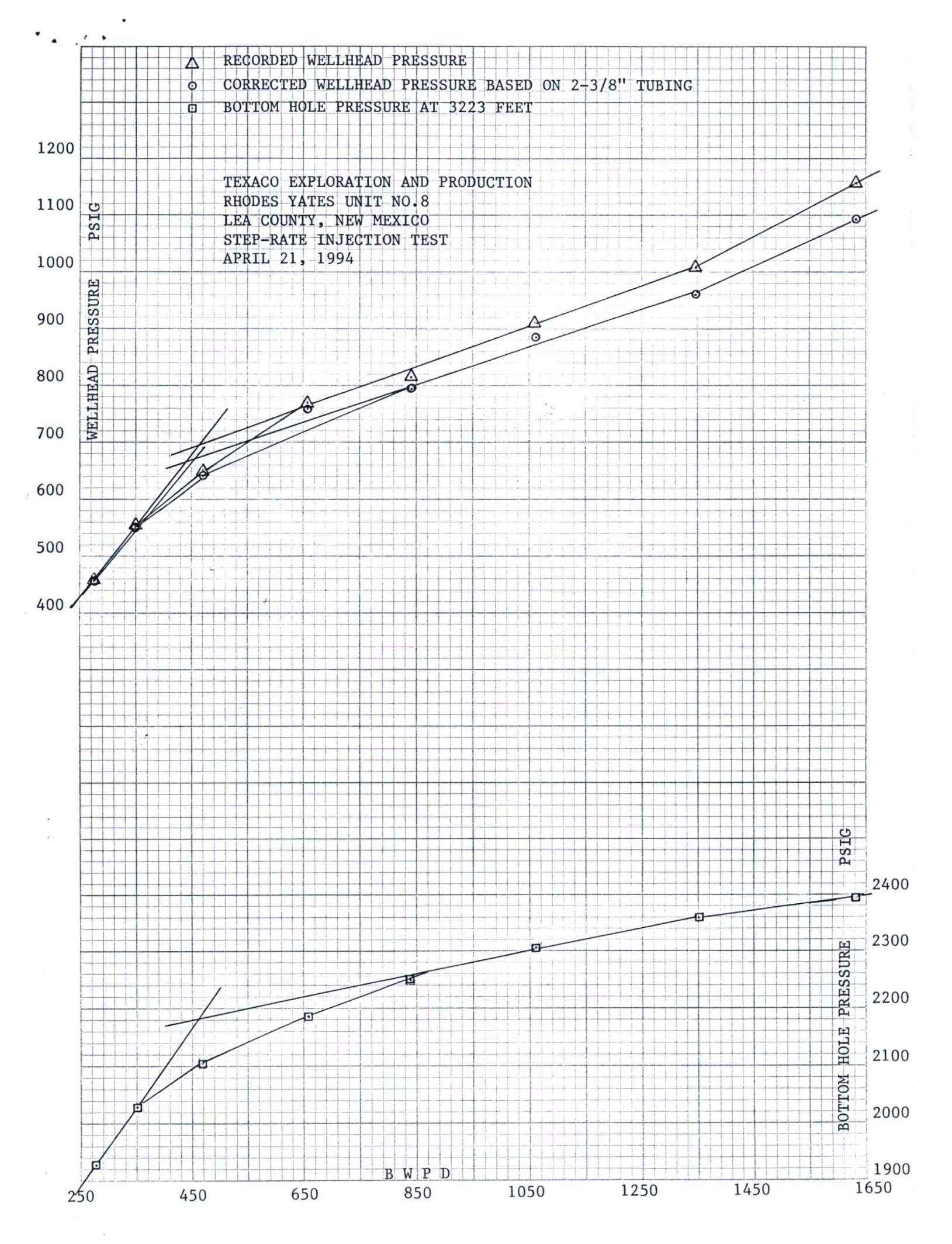
MID-PERFS. = 3126--3320

PACKER DEPTH = 3081

BHP GAUGE DEPTH = 3223

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1)--(4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
	8:15	32.7				32.7		1474.2
	8:20	398.7	1.3	374.4	4.516	394.2	10.92	1814.8
	8:25	415.0	2.2	259.2	2.287	412.7	7.56	1863.1
	8:30	449.0	3.2	288.0	2.780	446.2	8.40	1895.1
	8:35	457.5	4.1	259.2	2.287	455.2	7.56	1909.8
	8:40	466.1	4.9	230.4	1.839	464.3	6.72	1914.7
1	8:45	459.4	5.7	230.4	1.839	457.6	6.72	1924.6
				273.6				
	8:50	511.5	7.0	374.4	4.516	507.0	10.92	1991.9
	8:55	530.4	8.3	374.4	4.516	525.9	10.92	2006.7
	9:00	592.9	9.5	345.6	3.895	589.0	10.08	2007.6
	9:05	551.8	10.7	345.6	3.895	547.9	10.08	2015.8
	9:10	551.7	11.9	345.6	3.895	547.8	10.08	2024.0
2	9:15	556.6	13.0	316.8	3.316	553.3	9.24	2031.5
				350.4				
	9:20	633.1	14.7	489.6	7.418	625.7	14.28	2076.7
	9:25	667.5	16.3	460.8	6.631	660.9	13.44	2084.1
	9:30	632.8	18.0	518.4	8.246	624.6	15.12	2093.1
	9:35	644.2	19.6	460.8	6.631	637.6	13.44	2095.8
	9:40	633.7	21.2	460.8	6.631	627.1	13.44	2100.9
3	9:45	646.3	22.8	460.8	6.631	639.7	13.44	2106.8
				470.4				
	9:50	756.1	25.1	662.4	12.977	743.1	19.32	2155.1
	9:55	735.4	27.4	662.4	12.977	722.4	19.32	2164.3
	10:00	767.2	29.6	633.6	11.953	755.2	18.48	2170.2
	10:05	769.6	31.9	662.4	12.977	756.6	19.32	2176.2
	10:10	745.1	34.3	691.2	14.040	731.1	20.16	2183.7
4	10:15	771.8	36.5	633.6	11.953	759.8	18.48	2187.1
				657.6				

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1) – (4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
	10:20	820.1	39.4	835.2	19.926	800.2	24.36	2222.5
	10:25	805.9	42.4	864.0	21.216	784.7	25.20	2230.2
	10:30	822.3	45.3	835.2	19.926	802.4	24.36	2235.3
	10:35	810.6	48.3	864.0	21.216	789.4	25.20	2241.2
	10:40	811.1	51.1	806.4	18.673	792.4	23.52	2245.4
5	10:45	818.1	54.0	835.2	19.926	798.2	24.36	2249.6
				840.0				
	10:50	896.0	57.7	1065.6	31.272	864.7	31.08	2283.2
	10:55	902.1	61.4	1065.6	31.272	870.8	31.08	2289.9
	11:00	912.3	65.1	1065.6	31.272	881.0	31.08	2295.7
	11:05	909.6	68.8	1065.6	31.272	878.3	31.08	2299.0
	11:10	914.4	72.5	1065.6	31.272	883.1	31.08	2302.3
6	11:15	913.2	76.1	1036.8	29.726	883.5	30.24	2305.6
				1060.8				
	11:20	997.4	80.8	1353.6	48.681	948.7	39.48	2339.1
	11:25	1015.2	85.5	1353.6	48.681	966.5	39.48	2345.5
	11:30	1020.3	90.2	1353.6	48.681	971.6	39.48	2349.6
	11:35	1019.0	94.9	1353.6	48.681	970.3	39.48	2352.8
	11:40	1016.3	99.6	1353.6	48.681	967.6	39.48	2356.7
7	11:45	1007.2	104.2	1324.8	46.782	960.4	38.64	2359.9
				1348.8				
	11:50	1080.2	109.9	1641.6	69.558	1010.6	47.88	2381.7
	11:55	1098.0	115.7	1670.4	71.833	1026.2	48.72	2387.2
	12:00	1114.5	121.4	1641.6	69.558	1044.9	47.88	2389.5
	12:05	1140.0	127.1	1641.6	69.558	1070.4	47.88	2391.8
	12:10	1157.9	132.8	1641.6	69.558	1088.3	47.88	2394.0
	12:15	1165.6	138.4	1612.8	67.318	1098.3	47.04	2395.4
8	12:20	1159.3	143.9	1584.0	65.111	1094.2	46.20	2396.9
				1633.4				
FALLOFF	12:21	916.2				916.2		2323.4
	12:22	891.9				891.9		2298.9
	12:23	874.0				874.0		2282.5
	12:24	859.9				859.9		2268.6
	12:25	848.3				848.3		2256.4
	12:30	797.2				797.2		2209.7
	12:35	766.5				766.5		2174.6
	12:40	738.3				738.3		2145.2
	12:45	712.7				712.7		2117.4


RECORDED WELLHEAD PRESSURE
CORRECTED WELLHEAD PRESSURE BASED ON 2-3/8" TUBING
BOTTOM HOLE PRESSURE AT 3223 FEET
TEXACO EXPLORATION AND PRODUCTION
RHODES YATES UNIT NO.8
LEA COUNTY, NEW MEXICO
STEP-RATE INJECTION TEST
APRIL 21, 1994
WELLHEAD PRESSURE PSIG
1200
1100
1000
900
800
700
600
500
400
BOTTOM HOLE PRESSURE PSIG
2400
2300
2200
2100
2000
1900
B W P D
250
450
650
850
1050
1250
1450
1650

Texaco E & P

April 28, 1994

New Mexico Oil Conservation Division
P.O. Box 2088
Santa Fe N.M. 87504

Attn: Mr. David Catanach
Engineer, New Mexico Oil Conservation Division

Re: PRESSURE INCREASE ON INJECTION WELL
Rhodes Yates Unit No. 13
Unit M, Section 27
T-26-S, R-37-E
Lea County, New Mexico

Dear David:

Texaco Exploration and Production Inc. requests an increase in the maximum allowable pressure on the above well from 1100 psig to 1360 psig. A step rate injection test was ran on the well. Results of the test are attached.

If you have any questions concerning this request, please contact me at 397-0424. Thank you for your assistance in this matter.

Yours very truly,

Darlene de Aragao
Production Engineer

/ddd
Chrono
Attachments
cc: Jerry Sexton/NMOCD/Hobbs

A SUBSIDIARY OF JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: TEXACO EXPLORATION AND PRODUCTION

DATE: APRIL 22, 1994

WELL NAME: RHODES YATES UNIT NO. 13
LEA COUNTY, NEW MEXICO

WO#: 94-14-0665

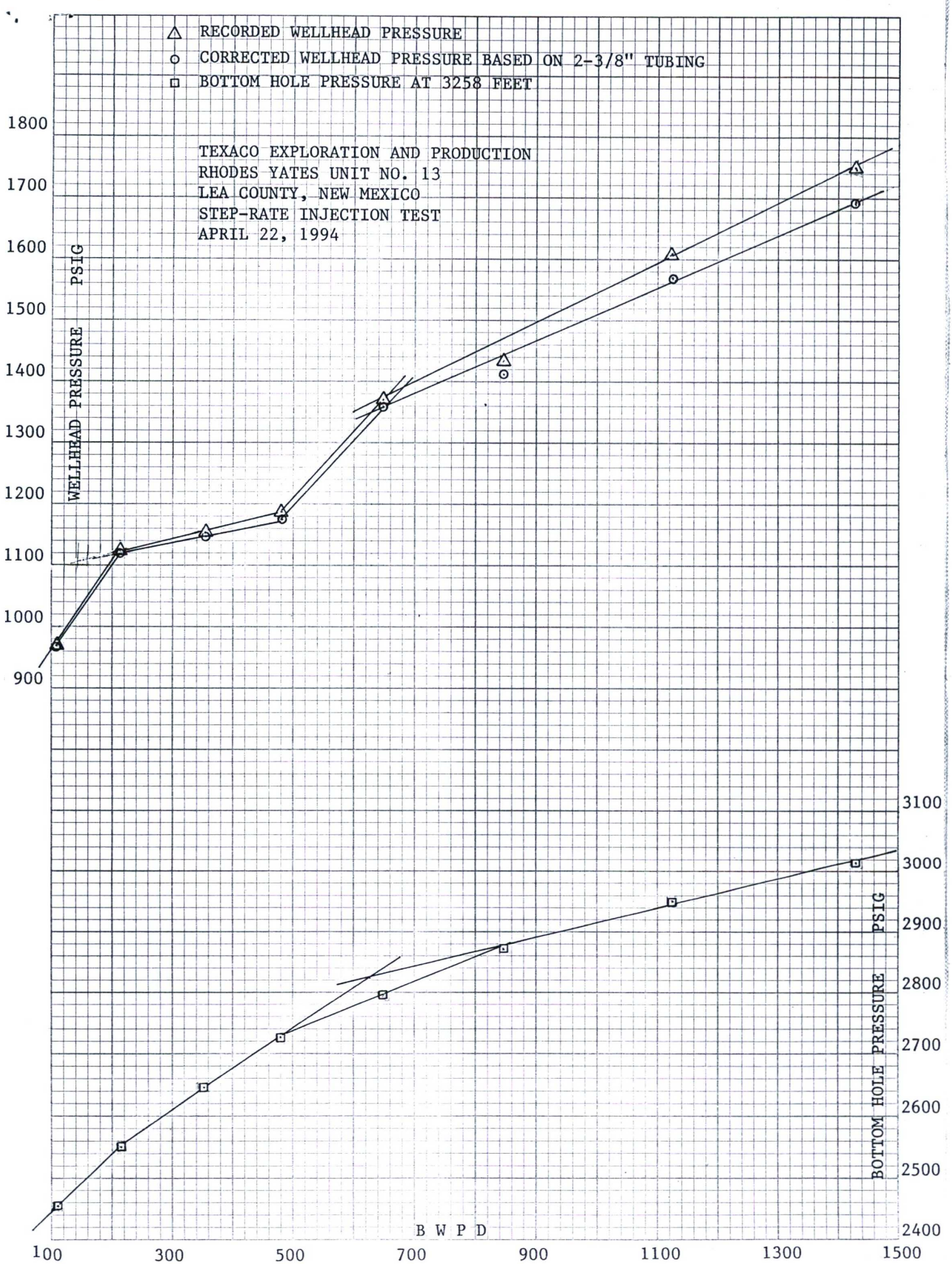
MID-PERFS. = 3167-3349

PACKER DEPTH = 2984

BHP GAUGE DEPTH = 3258

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1)-(4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
	8:40	842.2				842.2		2320.6
	8:45	923.5	0.4	115.2	0.516	923.0	3.36	2384.1
	8:50	916.9	0.7	86.4	0.303	916.6	2.52	2397.1
	8:55	957.7	1.1	115.2	0.516	957.2	3.36	2419.1
	9:00	985.5	1.5	115.2	0.516	985.0	3.36	2438.6
	9:05	931.5	1.9	115.2	0.516	931.0	3.36	2451.7
1	9:10	972.1	2.3	115.2	0.516	971.6	3.36	2455.0
				110.4				
	9:15	999.9	3.1	230.4	1.859	998.0	6.72	2499.1
	9:20	1047.2	3.9	230.4	1.859	1045.3	6.72	2511.3
	9:25	1093.5	4.7	230.4	1.859	1091.6	6.72	2523.6
	9:30	1088.6	5.4	201.6	1.452	1087.1	5.88	2536.8
	9:35	1107.0	6.1	201.6	1.452	1105.5	5.88	2546.7
2	9:40	1123.6	6.8	201.6	1.452	1122.1	5.88	2551.6
				216.0				
	9:45	1112.2	8.1	374.4	4.565	1107.6	10.92	2596.6
	9:50	1131.7	9.4	374.4	4.565	1127.1	10.92	2612.2
	9:55	1153.6	10.6	345.6	3.937	1149.7	10.08	2622.2
	10:00	1136.9	11.8	345.6	3.937	1133.0	10.08	2630.0
	10:05	1191.5	13.1	374.4	4.565	1186.9	10.92	2635.6
3	10:10	1153.6	14.2	316.8	3.352	1150.2	9.24	2644.7
				355.2				
	10:15	1333.4	15.9	489.6	7.499	1325.9	14.28	2672.0
	10:20	1251.1	17.5	460.8	6.703	1244.4	13.44	2680.2
	10:25	1240.6	19.1	460.8	6.703	1233.9	13.44	2692.7
	10:30	1259.3	20.8	489.6	7.499	1251.8	14.28	2706.0
	10:35	1257.8	22.5	489.6	7.499	1250.3	14.28	2716.2
4	10:40	1183.3	24.2	489.6	7.499	1175.8	14.28	2723.7
				480.0				

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS. (psi) (1)−(4)	(6) INJECTION RATE (gpm) (3)/34.2857	(7) MEASURED BHP (psi)
	10:45	1318.9	26.6	691.2	14.193	1304.7	20.16	2749.3
	10:50	1293.1	28.8	633.6	12.082	1281.0	18.48	2760.2
	10:55	1285.2	31.0	633.6	12.082	1273.1	18.48	2771.0
	11:00	1358.0	33.2	633.6	12.082	1345.9	18.48	2781.2
	11:05	1367.1	35.5	662.4	13.118	1354.0	19.32	2789.6
5	11:10	1373.3	37.7	633.6	12.082	1361.2	18.48	2798.0
				648.0				
	11:15	1385.9	40.8	892.8	22.787	1363.1	26.04	2824.2
	11:20	1407.3	43.6	806.4	18.876	1388.4	23.52	2836.6
	11:25	1405.8	46.6	864.0	21.446	1384.4	25.20	2848.2
	11:30	1426.2	49.5	835.2	20.142	1406.1	24.36	2857.3
	11:35	1430.1	52.4	835.2	20.142	1410.0	24.36	2866.3
6	11:40	1436.6	55.3	835.2	20.142	1416.5	24.36	2873.7
				844.8				
	11:45	1512.0	59.2	1123.2	34.845	1477.2	32.76	2901.4
	11:50	1526.0	63.1	1123.2	34.845	1491.2	32.76	2912.8
	11:55	1537.5	67.0	1123.2	34.845	1502.7	32.76	2924.2
	12:00	1560.8	70.8	1094.4	33.210	1527.6	31.92	2933.1
	12:05	1589.7	74.7	1123.2	34.845	1554.9	32.76	2942.7
7	12:10	1608.5	78.7	1152.0	36.516	1572.0	33.60	2950.7
				1123.2				
	12:15	1721.8	83.7	1440.0	55.178	1666.6	42.00	2973.3
	12:20	1735.2	88.7	1440.0	55.178	1680.0	42.00	2985.3
	12:25	1707.1	93.7	1440.0	55.178	1651.9	42.00	2994.2
	12:30	1746.4	98.7	1440.0	55.178	1691.2	42.00	3002.1
	12:35	1764.9	103.6	1411.2	53.154	1711.7	41.16	3010.0
8	12:40	1750.2	108.5	1411.2	53.154	1697.0	41.16	3016.3
				1430.4				
FALLOFF	12:41	1577.2				1577.2		2982.9
	12:42	1574.5				1574.5		2978.8
	12:43	1565.4				1565.4		2971.5
	12:44	1560.1				1560.1		2965.0
	12:45	1556.6				1556.6		2960.0
	12:50	1531.3				1531.3		2938.7
	12:55	1516.7				1516.7		2923.1
	1:00	1502.2				1502.2		2909.9
	1:05	1492.4				1492.4		2899.0
	1:10	1483.6				1483.6		2890.1


△ RECORDED WELLHEAD PRESSURE
○ CORRECTED WELLHEAD PRESSURE BASED ON 2-3/8" TUBING
□ BOTTOM HOLE PRESSURE AT 3258 FEET
TEXACO EXPLORATION AND PRODUCTION
RHODES YATES UNIT NO. 13
LEA COUNTY, NEW MEXICO
STEP-RATE INJECTION TEST
APRIL 22, 1994
WELLHEAD PRESSURE PSIG
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
BOTTOM HOLE PRESSURE PSIG
3100
3000
2900
2800
2700
2600
2500
2400
B W P D
100
300
500
700
900
1100
1300
1500