



FOR INFORMATION ONLY

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
W.H. Rhodes "B" NCT-1 #16
Unit F, Section 26
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 1150 psig to 1550 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
Darlene de Aragao
Production Engineer

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

RECEIVED

APR 19 1994

GOODS
OFFICE

WEST-TEST, INC.

A SUBSIDIARY OF JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: TEXACO EXPLORATION AND PRODUCTION

DATE: APRIL 27, 1994

WELL NAME: RHODES "B" FED. NCT-1 NO.16
LEA COUNTY, NEW MEXICO

WO#: 94-14-0661

MID-PERFS. = 3130-3174

PACKER DEPTH = 3107

BHP GAUGE DEPTH = 3196

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMULATIVE 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)/24.2857	(7) MEASURED BHP (psi)
1	8:45	112.5				112.5		1553.5
	8:50	587.4	0.5	144.0	0.765	586.6	4.20	2024.8
	8:55	602.6	0.8	86.4	0.297	602.3	2.52	2069.1
	9:00	690.6	1.2	115.2	0.506	690.1	3.36	2158.1
	9:05	774.7	1.8	172.8	1.071	773.6	5.04	2193.1
	9:10	764.3	2.2	115.2	0.506	763.8	3.36	2224.1
	9:15	784.7	2.6	115.2	0.506	784.2	3.36	2244.5
				124.8				
	9:20	1018.4	3.8	345.6	3.862	1014.5	10.08	2391.3
	9:25	992.7	5.1	374.4	4.478	988.2	10.92	2463.9
2	9:30	1097.5	6.3	345.6	3.862	1093.6	10.08	2507.9
	9:35	1162.7	7.5	345.6	3.862	1158.8	10.08	2542.2
	9:40	1217.7	8.6	316.8	3.288	1214.4	9.24	2562.6
	9:45	1131.8	9.7	316.8	3.288	1128.5	9.24	2579.7
				340.8				
	9:50	1218.8	11.7	576.0	9.936	1208.9	16.80	2666.6
	9:55	1290.4	13.6	547.2	9.037	1281.4	15.96	2705.6
	10:00	1322.3	15.5	547.2	9.037	1313.3	15.96	2737.3
	10:05	1304.2	17.4	547.2	9.037	1295.2	15.96	2756.0
	10:10	1359.2	19.2	518.4	8.177	1351.0	15.12	2772.2
3	10:15	1341.2	21.1	547.2	9.037	1332.2	15.96	2797.4
				547.2				
	10:20	1438.4	23.8	777.6	17.312	1421.1	22.68	2852.6
	10:25	1480.5	26.5	777.6	17.312	1463.2	22.68	2894.8
	10:30	1505.9	29.3	806.4	18.517	1487.4	23.52	2924.1
	10:35	1534.0	32.0	777.6	17.312	1516.7	22.68	2946.0
	10:40	1544.2	34.7	777.6	17.312	1526.9	22.68	2963.0
	10:45	1555.8	37.3	748.8	16.145	1539.7	21.84	2976.0
				777.6				

RECEIVED

MAY 18 1994

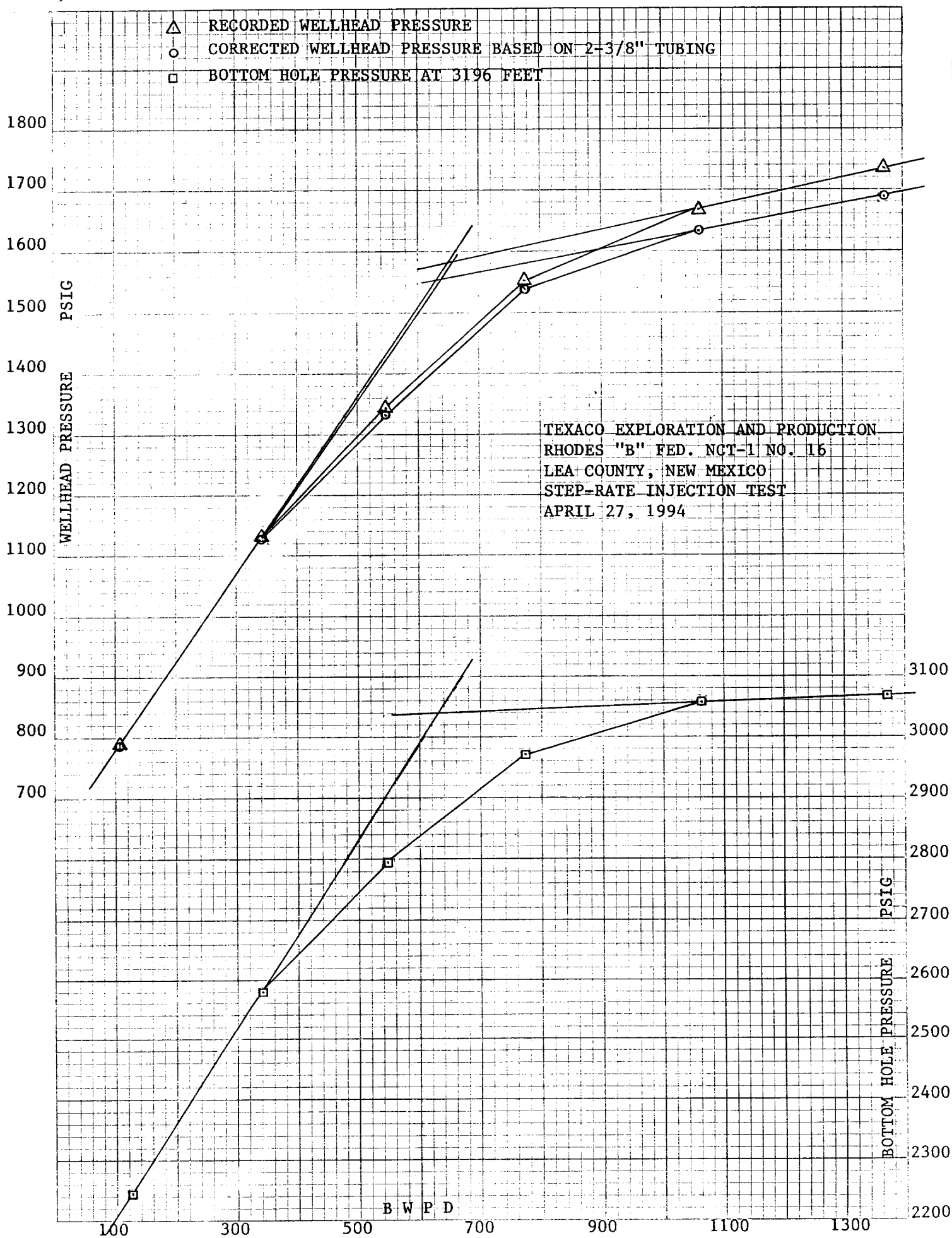
JOBS
OFFICE

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)
5	10:50	1636.2	41.4	1180.8	37.495	1598.7	34.44	3020.6
	10:55	1652.7	44.8	979.2	26.519	1626.2	28.56	3034.4
	11:00	1639.8	48.5	1065.6	31.010	1608.8	31.08	3044.2
	11:05	1678.2	52.0	1008.0	27.980	1650.2	29.40	3050.7
	11:10	1680.8	55.7	1065.6	31.010	1649.8	31.08	3054.0
	11:15	1665.2	59.4	1065.6	31.010	1634.2	31.08	3058.9
				1060.8				
	11:20	1708.7	64.1	1353.6	48.273	1660.4	39.48	3101.1
	11:25	1730.4	68.9	1382.4	50.191	1680.2	40.32	3104.3
	11:30	1793.1	73.7	1382.4	50.191	1742.9	40.32	3096.3
6	11:35	1719.8	78.5	1382.4	50.191	1669.6	40.32	3085.7
	11:40	1721.2	83.2	1353.6	48.273	1672.9	39.48	3077.6
	11:45	1737.7	88.0	1382.4	50.191	1687.5	40.32	3069.5
				1372.8				
FALLOFF	11:46	1577.6				1577.6		3045.1
	11:47	1546.9				1546.9		3019.1
	11:48	1521.3				1521.3		2993.9
	11:49	1496.9				1496.9		2969.6
	11:50	1473.9				1473.9		2933.8
	11:55	1370.2				1370.2		2842.1
	12:00	1289.6				1289.6		2761.7
	12:05	1237.1				1237.1		2706.5
	12:10	1201.1				1201.1		2669.2
	12:15	1174.2				1174.2		2640.0

RECEIVED

MAY 13 1994

**THE HOBBS
OFFICE**



RECEIVED

MAY 12 1994

OFFICE