



OIL CONSERVATION DIVISION
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October 7, 1992

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
Myers Langlie Mattix Unit #16
Unit H, Section 30
T-23-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 705 psig to 910 psig. A step rate injection test was ran on the well by John West Engineering Company on October 5, 1992. Results of this test are attached.

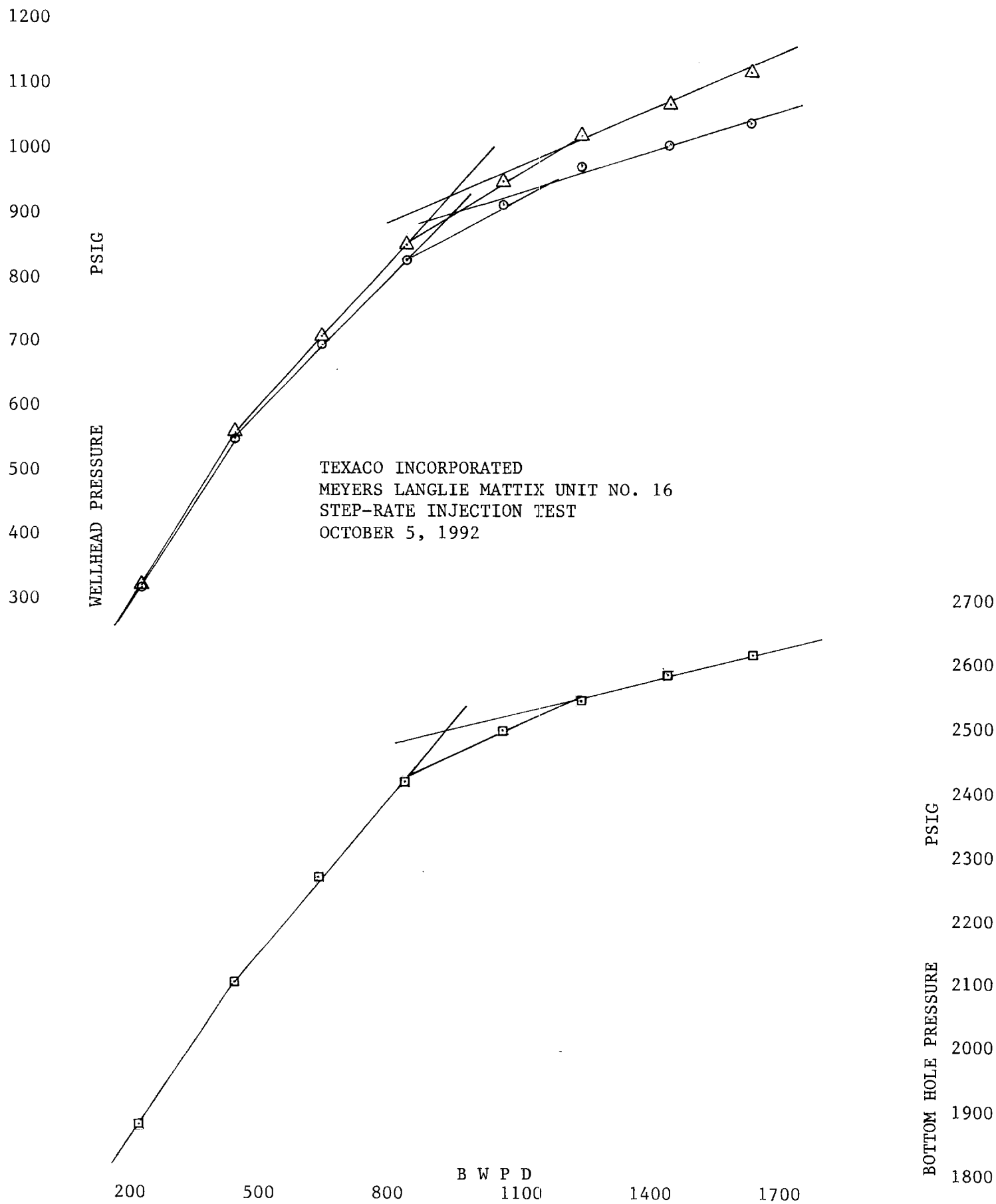
If you have any questions concerning this request, please contact me at 397-0418 or 393-7191. The engineer assigned to this well is Todd Moehlenbrock. His phone number is 397-0427. Thank you for your assistance in this matter.

Yours very truly,

Monte Duncan
Engineer's Assistant

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

- △ RECORDED WELLHEAD PRESSURE
- CORRECTED WELLHEAD PRESSURE BASED ON 2 3/8" TUBING
- BOTTOM HOLE PRESSURE @ 3612 FEET



JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: Texaco Incorporated

DATE: 10/5/92

WELL NAME: M.L.M.U. No. 16

WO#: 92141489

Lea County, New Mexico

PERFS. = 3527-3696

PACKER DEPTH = 3474

BHP GAUGE DEPTH = 3612

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. (psig) (1)-(4)	(6) INJECTION RATE (gpm) (0.1585 bbls/day)	(7) MEASURED BHP (psi)
1	10:10	128.9				128.9		1687
	10:15	251.5	0.8	230.4	2.062	249.4	6.72	1799
	10:20	287.0	1.5	201.6	1.610	285.4	5.88	1848
	10:25	333.8	2.3	230.4	2.062	331.7	6.72	1888
				220.7				
2	10:30	448.7	3.8	432.0	6.595	442.1	12.60	2009
	10:35	510.6	5.3	432.0	6.595	504.0	12.60	2067
	10:40	568.6	6.9	480.8	7.432	561.2	13.44	2110
3				441.6				
	10:45	653.2	9.1	633.6	13.395	639.8	18.48	2198
	10:50	701.2	11.3	633.6	13.395	687.8	18.48	2242
	10:55	720.3	13.6	662.4	14.543	705.8	19.32	2279
				643.2				
4	11:00	811.4	16.5	835.2	22.331	789.1	24.36	2366
	11:05	841.8	19.4	835.2	22.331	819.5	24.36	2407
	11:10	860.8	22.3	835.2	22.331	838.5	24.36	2427
				835.2				
5	11:15	926.5	26.1	1094.4	36.819	889.7	31.92	2476
	11:20	950.5	29.7	1036.8	33.314	917.2	30.24	2495
	11:25	959.4	33.4	1065.6	35.046	924.4	31.08	2507
				1065.6				
6	11:30	999.8	37.8	1267.2	48.290	951.5	36.96	2536
	11:35	1012.4	42.1	1238.4	46.279	966.1	36.12	2547
	11:40	1028.7	46.4	1238.4	46.279	982.4	36.12	2555
				1247.9				
7	11:45	1065.4	51.5	1468.8	63.456	1001.9	42.84	2579
	11:50	1066.7	56.5	1440.0	61.173	1005.5	42.00	2587
	11:55	1078.2	61.5	1440.0	61.173	1017.0	42.00	2594
				1449.5				

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)/34.2857	(7) MEASURED BHP (psi)
8	12:00	1111.2	67.2	1641.6	77.954	1033.2	47.88	2611
	12:05	1121.3	72.9	1641.6	77.954	1043.3	47.88	2618
	12:10	1122.6	78.6	1641.6 1641.6	77.954	1044.6	47.88	2623
Fall-Off	12:11	989.8				989.8		2573
	12:12	973.4				973.4		2555
	12:13	960.8				960.8		2543
	12:14	950.7				950.7		2533
	12:15	943.1				943.1		2524
	12:16	935.5				935.5		2518
	12:17	928.0				928.0		2510
	12:18	921.6				921.6		2504
	12:19	916.6				916.6		2498
	12:20	911.6				911.6		2494
	12:21	906.5				906.5		2489
	12:22	902.7				902.7		2484
	12:23	898.9				898.9		2481
	12:24	895.2				895.2		2477
	12:25	892.6				892.6		2473

10/29/92 15:55

1 505 393 0720

HOBBS OIL CONSRN --- SANTA FE

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STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

October 13, 1992

BRUCE KING
GOVERNOR

POST OFFICE BOX 1880
HOBBS, NEW MEXICO 88240
(505) 393-8161

OIL CONSERVATION DIVISION
P.O. BOX 2088
SANTA FE, NEW MEXICO 87504-2088

RE: APPLICATION FOR PRESSURE LIMIT INCREASE FOR DISPOSAL & INJECTION WELLS

Gentlemen:

I have examined the step rate test for the:

Texaco Expl & Prod Inc.	Myers Langlie Mattix Ut #16-H	30-23-37
Operator	Lease & Well No.	Unit S-T-R

and my recommendations are as follows:

OK

Very truly yours

Jerry Sexton
Supervisor, District I

/bp