

CF 10476



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



BRUCE KING
GOVERNOR

December 22, 1992

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

ANITA LOCKWOOD
CABINET SECRETARY

Yates Petroleum Corporation
Attention: Brian Collins
105 South Fourth Street
Artesia, NM 88210

**RE: Injection Pressure Increase, West Loco Hills Unit
Tract 1 Well No. 10, Eddy County, New Mexico**

Dear Mr. Collins:

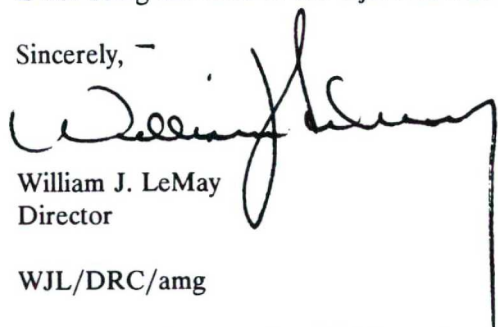
Reference is made to your request dated September 29, 1992 to increase the surface injection pressure on the West Loco Hills Unit Tract 1 Well No. 10. This request is based on a step rate tests conducted on this well between September 29, 1992. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on this well is justified at this time.

You are therefore authorized to increase the surface injection pressure on the following well:

Well and Location	Maximum Injection Surface Pressure
WLHU Tract 1 No. 10 Unit L, Section 7, Township 18 South, Range 30 East Eddy County, New Mexico	750 PSIG

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 - Artesia
File: Case No. 10476
Rick Brown
David Catanach

10/06/92 08:11 505 748 9720

OCD DIST II

001

OIL CONSERVATION DIVISION
ARTESIA, NEW MEX. 88210

R-2178-D

TO: David Catanach
FROM: Johnny Robinson
DATE: 10/6/92

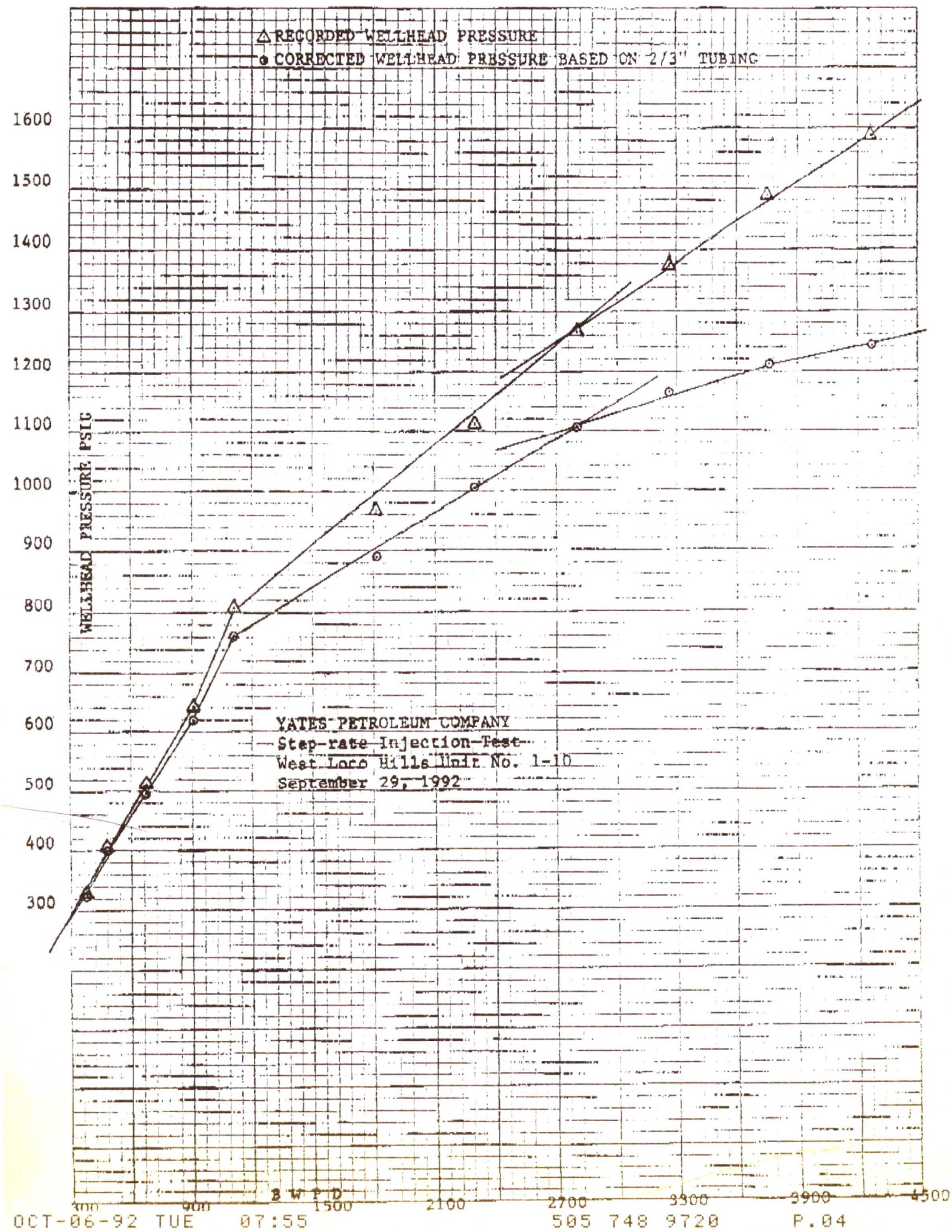
NUMBER OF SHEETS (INCLUDING TRANSMITTAL SHEET) 4

IF YOU HAVE ANY PROBLEMS WITH THIS TRANSMISSION, PLEASE CALL 505-748-1283.

FAX NUMBER (505) 748-9720

SEP 30 '92 10:06

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STEP NO. 2		(1) SURFACE TUBING PRESS (psig)	(2) CUMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) INJECTION HEAD LOSS (psi)	(5) CORRECTED TUBING PRESS (psig) (1)-(4)	(6) INJECTION RATE (gpm) (8)/34.2387	(7) MEASURED SHR (psig)
	10:10	1051.8	67.5	2275.2	110.532	941.3	88.36	
	10:15	1097.5	75.5	2304.0	113.135	984.4	87.20	
	10:20	1112.7	83.4	2275.2	110.532	1002.2	88.36	
				2284.8				
	10:25	1217.8	93.1	2793.6	161.587	1058.2	81.48	
	10:30	1243.0	103.0	2851.2	167.805	1075.2	83.16	
	10:35	1267.2	112.7	2793.6	161.587	1105.6	81.48	
				2812.8				
	10:40	1344.5	124.0	3254.4	214.328	1130.2	94.92	
	10:45	1367.3	135.4	3263.2	217.848	1149.5	95.76	
	10:50	1378.7	146.7	3254.4	214.328	1164.4	94.92	
				3264.0				
	10:55	1463.5	159.8	3772.8	281.729	1181.8	110.04	
	11:00	1482.5	172.9	3772.8	281.729	1200.8	110.04	
	11:05	1491.4	185.9	3743.0	277.828	1213.8	109.17	
				3763.2				
	11:10	1572.5	200.8	4291.2	357.498	1215.0	125.16	
	11:15	1586.4	215.5	4233.8	348.671	1237.7	123.48	
	11:20	1592.8	230.3	4262.4	353.072	1239.7	124.32	
				4262.4				
Fall-Off	11:21	1219.3				1219.3		
	11:22	1205.4				1205.4		
	11:23	1196.6				1196.6		
	11:24	1187.7				1187.7		
	11:25	1181.4				1181.4		
	11:26	1175.1				1175.1		
	11:27	1168.7				1168.7		
	11:28	1163.7				1163.7		
	11:29	1158.6				1158.6		
	11:30	1152.3				1152.3		
	11:31	1147.3				1147.3		
	11:32	1143.5				1143.5		
	11:33	1138.4				1138.4		
	11:34	1133.4				1133.4		
	11:35	1129.6				1129.6		

To: John Robinson

From: Bob Fant
Yates Petroleum

JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: Yates Petroleum Company

DATE: September 29, 1982

WELL NAME: West Loco Hills Unit No. 1-10
Eddy County, New Mexico

WO#: 82141466

MID-PERFS. = 2801

PACKER DEPTH = 2764

BHP GAUGE DEPTH =

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (ps)	(5) CORRECTED TUBING PRESS. (ps) (1)-(4)	(6) INJECTION RATE (gpm) (8.33 x 4.085)	(7) MEASURED BHP (ps)
	8:35	185.0				185.0		
	8:40	268.3	1.3	374.4	3.924	264.4	10.92	
	8:45	302.8	2.7	403.2	4.500	298.1	11.76	
	8:50	325.4	3.9	345.6	3.383	322.0	10.08	
				374.4				
	8:55	372.2	5.6	489.6	6.445	365.8	14.28	
	9:00	390.0	7.3	489.6	6.445	383.6	14.28	
	9:05	405.2	8.9	480.8	5.761	399.4	13.44	
				480.0				
	9:10	459.7	11.3	691.2	12.197	447.5	20.16	
	9:15	491.4	13.6	662.4	11.274	480.1	19.32	
	9:20	509.2	15.9	662.4	11.274	497.9	19.32	
				672.0				
	9:25	573.7	19.2	950.4	21.985	551.7	27.72	
	9:30	613.0	22.6	979.2	23.234	589.8	28.56	
	9:35	640.9	26.0	979.2	23.234	617.7	28.56	
				969.9				
	9:40	742.0	30.9	1411.2	45.682	696.3	41.16	
	9:45	778.7	35.8	1411.2	45.682	733.0	41.16	
	9:50	806.5	40.7	1411.2	45.682	760.8	41.16	
				1411.2				
	9:55	903.8	47.0	1814.4	72.721	831.1	52.92	
	10:00	940.5	53.3	1814.4	72.721	867.8	52.92	
	10:05	964.6	59.6	1814.4	72.721	891.9	52.92	
				1814.4				