



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

September 14, 1993

Plains Petroleum Operating Company
415 W. Wall Street - Suite 1000
Midland, TX 79701

WFX-637

PDEV0020600637

Attention: Dominic J. Bazile

**RE: Injection Pressure Increase Eva Blinebry Well Nos. 19 and 20,
Eddy County, New Mexico**

Dear Mr. Bazile:

Reference is made to your request dated August 31, 1993 to increase the surface injection pressure on two wells in your Eva E. Blinebry Lease. This request is based on step rate tests conducted on these wells on August 11 and 12, 1993. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

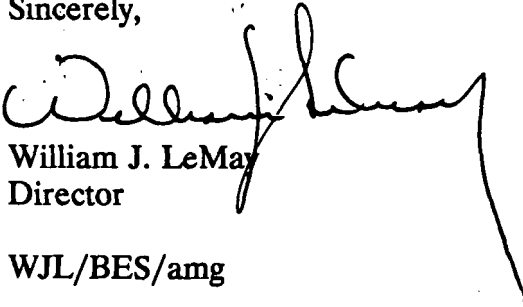
You are therefore authorized to increase the surface injection pressure on the following wells:

Well and Location	Maximum Injection Surface Pressure
Eva E. Blinebry Well No. 19 1420' FNL - 20' FEL Unit H, Section 34, Township 23 South, Range 37 East	1140 PSIG
Eva E. Blinebry Well No. 20 2510' FNL - 1290' FEL Unit H, Section 34, Township 23 South, Range 37 East	970 PSIG
All wells located in Lea County, New Mexico.	

Injection Pressure Increase
Plains Petroleum Operating Company
September 14, 1993
Page 2

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,

A handwritten signature in dark ink, appearing to read 'William J. LeMay', with a long, sweeping horizontal stroke extending to the right.

William J. LeMay
Director

WJL/BES/amg

cc: Oil Conservation Division - Hobbs
File: WFX-637

NO WAITING PERIOD

COMPANY: PLAINS PETROLEUM OPERATING COMPANY
ADDRESS: 415 WEST WALL STREET, SUITE 1000
CITY, STATE, ZIP: MIDLAND, TEXAS 79701
ATTENTION: DOMINIC J. BAZILE

Re: Injection Pressure Increase
Eva Blinebry Well Nos. 19 and 20
Lea County, New Mexico

Dear Sir:

Reference is made to your request dated August 31, 1993, to increase the surface injection pressure on 2 wells in your Eva E. Blinebry Lease. This request is based on step rate tests conducted on these wells on August 11 and 12, 1993. The results of the tests have been reviewed by my staff and we feel an increase in injection pressure on these wells is justified at this time.

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

<u>Well & Location</u>	<u>Maximum Injection Surface Pressure</u>
Eva E. Blinebry Well No.19 1420' FNL & 20' FEL Unit H, Section 34, T23S, R37E	1140 psig
Eva E. Blinebry Well No.20 2510' FNL & 1290' FEL Unit H, Section 34, T23S, R37E	970 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.

William J. LeMay
Director

WJL/BES

xc: OCD - Hobbs
FILE - WFX-637

OIL CONSERVATION DIVISION
RECEIVED

'93 SEP 7 AM 1 48

PSI-X

N/R


P L A I N S
P E T R O L E U M
O P E R A T I N G
C O M P A N Y

August 31, 1993

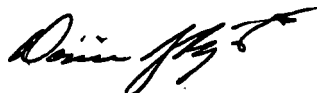
State of New Mexico
Oil Conservation Division
Attention: Jerry Sexton
P. O.Box 1980
Hobbs, NM 88241-1980

Subject: Eva E. Blinbry Wells No. 19 & 20
Request for Increased Injection Pressure

Step rate tests have been performed on the referenced wells, and as determined by these tests, Plains Petroleum Operating Company requests an increase in the allowable injection pressure for each well. The step rate tests are attached.

Should you have any questions in regard to this matter, please call me at 915/683-4434.

Sincerely,
PLAINS PETROLEUM OPERATING COMPANY



Dominic J. Bazile
Area Engineer

cc: OCD - Santa Fe
RF
WF



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

BRUCE KING
GOVERNOR

July 1, 1993

POST OFFICE BOX 1980
HOBBS, NEW MEXICO 88241-1980
(505) 393-6161

Plains Petroleum Operating
415 West Wall, Suite 2110
Midland, Texas 79702

Re: Test Results Eva E. Blinebry Lease

Gentlemen:

The Oil Conservation Division recently witnessed bradenhead test on the injection wells in your Eva E. Blinebry lease.

Wells No. 19 located in Unit H and No. 20 located in Unit H, both in Section 34, Township 23 South, Range 37 East, are injecting over the approved pressure limit. Division Order WFX-637, permitting injection into these wells limits the injection pressure to 680 psi. Well No 19 was injecting at a pressure of 1260 and No. 20 at 1100 psi.

We request that you curtail the pressures to conform to the approved limits.

If you feel that an increased pressure limit is necessary and justified, you may wish to conduct a step rate test to determine fracture pressure on these wells.

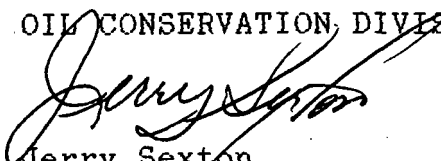
If you choose to follow this procedure, we request 24 hours notice prior to the tests in order to witness the operation.

After the tests have been done, you will need to submit the test data along with a letter requesting an increase in the pressure limit to the OCD office in Santa Fe, with a copy to this office. I will make a recommendation and the Examiner will consider my recommendation along with your test data.

We are enclosing a copy of the test sheets for your information.

Very truly yours

OIL CONSERVATION DIVISION


Jerry Sexton
Supervisor, District I

JS:bp

cc: William J. LeMay
File



RECEIVED 2 1993

NEW MEXICO OIL CONSERVATION DIVISION
CASING--BRADENHEAD TEST

OPERATOR: PLAINS PETROLEUM OPER. CO.

LEASE: EVA E BLINEBRY

WELL # 19 --

POOL: LANGLIE MATTIX 7R, QU, GB

UNIT LTR H

FOOTAGE 1420-N SECTION 34 TWN 23 S RANGE 37 E

FOOTAGE 20-E PRESS LMT 680 TYPE LEASE F TYPE WELL W

ORDER NO. WFX-637

DATE INJ. BEGAN 23-Oct-92

TEST DATE.	TEST TYPE .	PASS/FAIL .
OPERATOR REP:	.	OCD REP: .
CASING SIZE	SET AT TOP CMT	CEMENTED PRESSURE REMARKS
SURFACE 8 5/8	387 NDB	300SX .

INTERM-1 .	.	.	.	.
INTERM-2 .	.	.	.	.
PROD 5 1/2	3650 NDB	750SX	.	.

LINER

TUBING

REMARKS: 12/1/92 CALLED M NIEBERDING FOR CHART
REPAIR LETTER DATE . DATE REPAIR . SNC .

TEST DATE.	TEST TYPE .	PASS/FAIL .
OPERATOR REP:	.	OCD REP: .
CASING SIZE	SET AT TOP CMT	CEMENTED PRESSURE REMARKS
SURFACE 8 5/8	387 NDB	300SX .

INTERM-1 .	.	.	.	.
INTERM-2 .	.	.	.	.
PROD 5 1/2	3650 NDB	750SX	.	.

LINER

TUBING

REMARKS: .
REPAIR LETTER DATE . DATE REPAIR . SNC .

TEST DATE	6-30-93	TEST TYPE	B H J	PASS/FAIL	
OPERATOR REP:	WILL	OCD REP:	LYLE		
CASING SIZE	SET AT TOP CMT	CEMENTED	PRESSURE	REMARKS	
SURFACE 8 5/8	387 NDB	300SX	CMT,		

INTERM-1 .	.	.	.	.	
INTERM-2 .	.	.	.	.	
PROD 5 1/2	3650 NDB	750SX	280	2" - 3 MIN. TO 0 - 1 BBL	✓
LINER .	.	.	.	PACKER Fluid	

TUBING 2 3/8	3355 PKR	1260	580# O.L.
--------------	----------	------	-----------

REMARKS: .
REPAIR LETTER DATE . DATE REPAIRED . SNC .

NEW MEXICO OIL CONSERVATION DIVISION
CASING--BRADENHEAD TEST

OPERATOR: PLAINS PETROLEUM OPER. CO.

LEASE: EVA E BLINEBRY WELL # 20 --
POOL: LANGLIE MATTIX 7R, QU, GB UNIT LTR H
FOOTAGE 2510-N SECTION 34 TWN 23 S RANGE 37 E
FOOTAGE 1290-E PRESS LMT 680 TYPE LEASE F TYPE WELL W
ORDER NO. WFX-637 DATE INJ. BEGAN 20-Oct-92

TEST DATE. TEST TYPE PASS/FAIL
OPERATOR REP:
CASING SIZE SET AT TOP CMT CEMENTED PRESSURE REMARKS
SURFACE 8 5/8 362 362 0 . .

INTERM-1 300SX
INTERM-2
PROD 5 1/2 3650 0 850SX . .

LINER

TUBING

REMARKS: SNC .
REPAIR LETTER DATE DATE REPAIR .

TEST DATE 14-Oct-92 TEST TYPE PT PASS/FAIL PIN04
OPERATOR REP: NDB
CASING SIZE SET AT TOP CMT CEMENTED PRESSURE REMARKS
SURFACE 8 5/8 362 362 0 . .

INTERM-1 300SX
INTERM-2
PROD 5 1/2 3650 0 850SX . .

LINER

TUBING 2 3/8 3400 PKR

REMARKS: 10/14/PT CONV 10/20/92 SNC NO
REPAIR LETTER DATE DATE REPAIR .

TEST DATE 6-30-93 TEST TYPE R H J PASS/FAIL
OPERATOR REP: WILL
CASING SIZE SET AT TOP CMT CEMENTED PRESSURE REMARKS
SURFACE 8 5/8 362 362 0 0

INTERM-1 300SX
INTERM-2
PROD 5 1/2 3650 0 850SX . .

LINER

TUBING 2 3/8 3400 PKR

REMARKS: SNC
REPAIR LETTER DATE DATE REPAIRED .

600 2" - 4 MIN. To 0 - 2 BGL'S.
PKR Fluid.
1100 420 # O.L.

JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: PLAINS PETROLEUM OPERATING COMPANY

DATE: AUGUST 11, 1983

WELL NAME: EVA E. BLINEBRY FEDERAL NO. 18

WO#: 83-14-1510

Lea County, New Mexico

P.O. No. 220308046

MID-PERF8. = 3400 - 3590

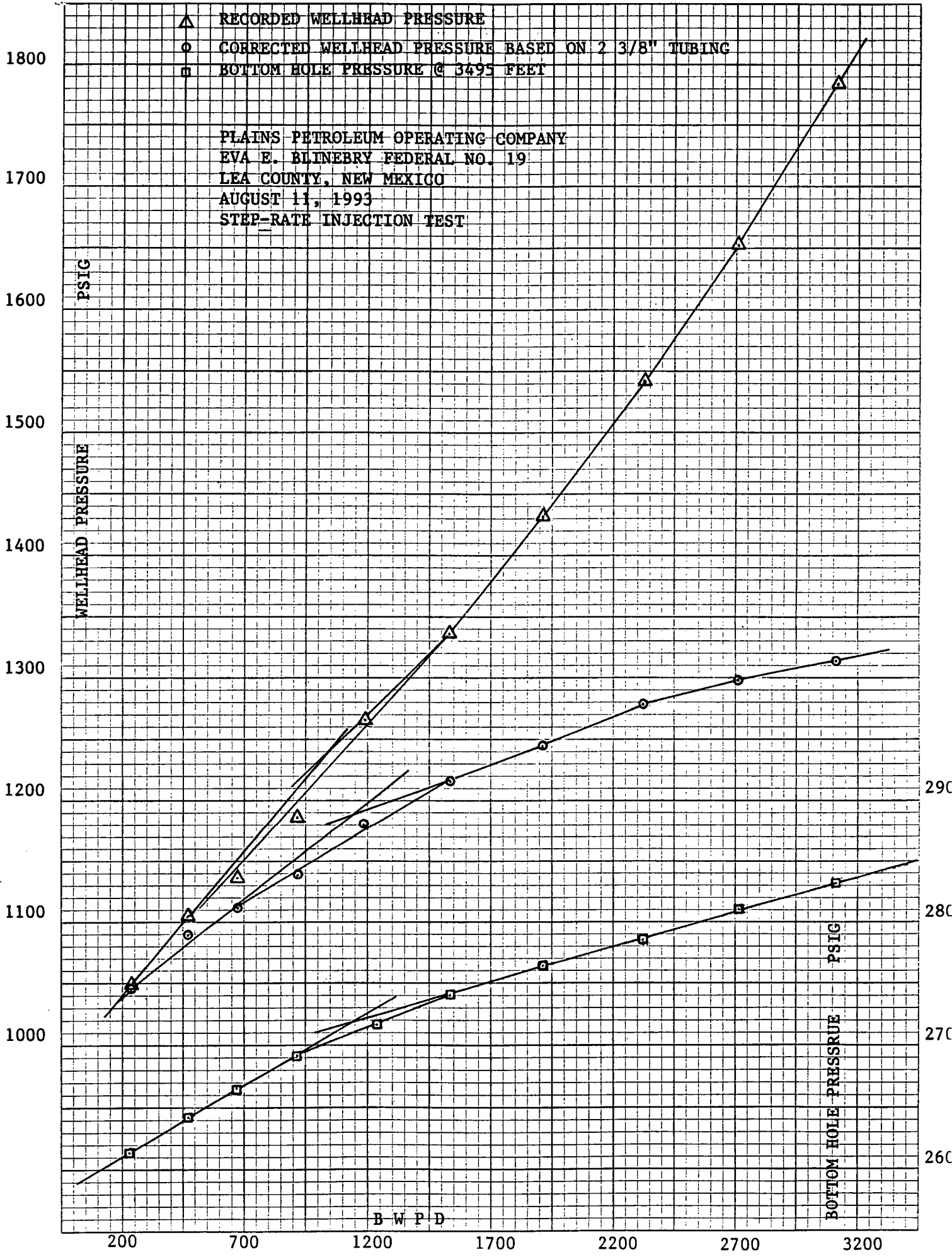
PACKER DEPTH = 3950

BHP GAUGE DEPTH = 3495

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psf)	(5) CORRECTED TUBING PRESS. (psf) (1) - (4)	(6) INJECTION RATE (gpm) (5)/34.257	(7) MEASURED BHP (psf)
1	10:50	1029.9				1029.9		2591
	10:55	1054.1	0.8	230.4	3.691	1050.4	6.72	2604
	11:00	1066.8	1.6	230.4	3.691	1063.1	6.72	2609
	11:05	1048.8	2.4	230.4	3.691	1045.1	6.72	2613
2				230.4				
	11:10	1082.0	3.9	432.0	11.808	1070.2	12.60	2626
	11:15	1085.9	5.6	489.6	14.884	1071.0	14.28	2635
	11:20	1103.9	7.3	489.6	14.884	1089.0	14.28	2641
3				470.4				
	11:25	1123.1	9.6	662.4	26.037	1097.1	19.32	2652
	11:30	1130.7	12.0	691.2	28.170	1102.5	20.16	2659
	11:35	1137.0	14.3	662.4	26.037	1111.0	19.32	2666
4				671.9				
	11:40	1177.8	17.5	921.6	47.965	1129.8	26.88	2678
	11:45	1177.8	20.7	921.6	47.965	1129.8	26.88	2685
	11:50	1186.8	23.9	921.6	47.965	1138.8	26.88	2691
5				921.6				
	11:55	1258.5	28.2	1238.4	82.855	1175.6	36.12	2705
	12:00	1263.5	32.5	1238.4	82.855	1180.6	36.12	2712
	12:05	1266.0	36.9	1267.2	86.455	1179.5	36.96	2718
6				1248.0				
	12:10	1329.9	42.2	1526.4	121.986	1207.9	44.52	2728
	12:15	1337.6	47.6	1555.2	126.279	1211.3	45.36	2735
	12:20	1337.6	52.9	1526.4	121.986	1215.6	44.52	2740
7				1536.0				
	12:25	1419.4	59.5	1900.8	183.045	1236.4	55.44	2751
	12:30	1421.8	66.1	1900.8	183.045	1238.8	55.44	2758
	12:35	1430.9	72.8	1929.6	188.209	1242.7	56.28	2763
				1910.4				

RECEIVED AUG 18 1983

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS (psig)	(2) CUMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psf)	(5) CORRECTED TUBING PRESS (psf) (1) - (4)	(6) INJECTION RATE (gpm) (0.1585 bbls/day)	(7) MEASURED BHP (psf)
8	12:40	1530.6	80.8	2304.0	261.287	1269.3	67.20	2774
	12:45	1531.6	89.0	2361.6	273.500	1258.1	68.88	2781
	12:50	1540.5	97.0	2304.0	261.287	1279.2	67.20	2787
9				2323.2				
	12:55	1642.9	106.4	2707.2	352.117	1290.8	78.96	2797
	1:00	1644.1	115.8	2707.2	352.117	1292.0	78.96	2804
10	1:05	1650.5	125.2	2707.2	352.117	1298.4	78.96	2810
				2707.2				
	1:10	1764.4	136.0	3110.4	455.234	1309.2	90.72	2819
FALLOFF	1:15	1783.7	146.6	3052.8	439.761	1343.9	89.04	2826
	1:20	1783.7	157.6	3168.0	470.953	1312.7	92.40	2831
				3110.4				
	1:21	1289.5				1289.5		2819
	1:22	1274.1				1274.1		2813
	1:23	1270.3				1270.3		2810
	1:24	1266.4				1266.4		2806
	1:25	1263.9				1263.9		2803
	1:30	1249.8				1249.8		2791
	1:35	1240.8				1240.8		2782



JOHN WEST ENGINEERING COMPANY

Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: PLAINS PETROLEUM COMPANY

DATE: AUGUST 12, 1989

WELL NAME: EVA E. BLINEBRY FEDERAL NO. 20

WO#: 89-14-1511

Lea County, New Mexico

MID-PERF8. = 3400-3680

P.O. NO. 220308047

PACKER DEPTH =

BHP GAUGE DEPTH = 3495

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psd)	(5) CORRECTED TUBING PRESS. (psd) (1)-(4)	(6) INJECTION RATE (gpm) (1)/34.567	(7) MEASURED BHP (psd)
1	9:35	808.0			0.000	808.0	0.00	
	9:40	838.8	0.9	259.2	2.183	836.6	7.56	
	9:45	851.4	1.9	288.0	2.653	848.7	8.40	
	9:50	850.0	2.9	288.0	2.653	847.3	8.40	
				278.4	0.000	0.0	0.00	
2	9:55	885.7	4.9	576.0	9.564	876.1	16.80	
	10:00	898.4	6.9	576.0	9.564	888.8	16.80	
	10:05	907.3	8.9	576.0	9.564	897.7	16.80	
				576.0	0.000	0.0	0.00	
3	10:10	944.2	11.9	864.0	20.249	924.0	25.20	
	10:15	963.2	14.8	835.2	19.018	944.2	24.36	
	10:20	968.2	17.7	835.2	19.018	949.2	24.36	
				844.8	0.000	0.0	0.00	
4	10:25	1006.5	21.7	1152.0	34.478	972.0	33.60	
	10:30	1010.2	25.6	1123.2	32.901	977.3	32.76	
	10:35	1017.7	29.6	1152.0	34.478	983.2	33.60	
				1142.4	0.000	0.0	0.00	
5	10:40	1072.6	34.6	1440.0	52.099	1020.5	42.00	
	10:45	1086.5	39.5	1411.2	50.188	1036.3	41.16	
	10:50	1078.7	44.5	1440.0	52.099	1026.6	42.00	
				1430.4	0.000	0.0	0.00	
6	10:55	1150.3	50.7	1785.6	77.564	1072.7	52.08	
	11:00	1153.9	57.1	1843.2	82.256	1071.6	53.76	
	11:05	1147.5	63.4	1814.4	79.894	1067.6	52.92	
				1814.4	0.000	0.0	0.00	
7	11:10	1234.4	71.3	2275.2	121.436	1113.0	66.36	
	11:15	1235.5	78.9	2188.8	113.042	1122.5	63.84	
	11:20	1236.6	86.5	2188.8	113.042	1123.6	63.84	
				2217.6	0.000	0.0	0.00	

RECEIVED AUG 12 1989

STEP NO. & REMARKS	TIME	(1) SURFACE TUBING PRESS. (psig)	(2) CUMULATIVE VOL. INJECTED (bbls)	(3) INJECTION RATE (bbls/day)	(4) FRICTION HEAD LOSS (psf)	(5) CORRECTED TUBING PRESS. (psig) (1)-(4)	(6) INJECTION RATE (gpm) (bbls/day) x 2.64	(7) MEASURED BHP (psf)
8	11:25	1337.5	95.6	2620.8	157.748	1179.8	76.44	
	11:30	1219.7	105.2	2764.8	174.156	1045.5	60.64	
	11:35	1342.6	113.7	2848.0	160.790	1181.8	77.23	
				2677.9	0.000	0.0	0.00	
9	11:40	1420.8	124.2	3024.0	205.559	1215.2	68.20	
	11:45	1408.0	134.6	2995.2	201.952	1208.0	67.36	
	11:50	1409.2	145.1	3024.0	205.559	1203.6	68.20	
				3014.4	0.000	0.0	0.00	
10	11:55	1529.5	157.1	3456.0	263.161	1266.3	100.60	
	12:00	1532.1	169.2	3484.0	267.119	1265.0	101.62	
	12:05	1548.6	181.5	3542.4	275.461	1273.1	103.32	
				3494.4	0.000	0.0	0.00	
11	12:10	1705.8	195.4	4003.2	345.393	1360.4	116.76	
	12:15	1707.1	209.4	4032.0	350.004	1357.1	117.60	
	12:20	1712.1	223.3	4003.2	345.393	1366.7	116.76	
				4012.8	0.000	0.0	0.00	
12	12:25	1861.9	239.0	4521.6	432.664	1429.2	131.88	
	12:30	1836.2	254.9	4579.2	442.915	1393.3	133.56	
	12:35	1832.4	270.6	4521.6	432.664	1399.7	131.88	
				4540.8	0.000	0.0	0.00	
FALLOFF	12:36	1055.2			0.000	1055.2	0.00	
	12:37	1036.0			0.000	1036.0	0.00	
	12:38	1030.9			0.000	1030.9	0.00	
	12:39	1028.3			0.000	1028.3	0.00	
	12:40	1024.4			0.000	1024.4	0.00	
	12:45	1011.6			0.000	1011.6	0.00	
	12:50	1002.8			0.000	1002.8	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	
					0.000	0.0	0.00	

