

State of New Mexico
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
Santa Fe, New Mexico 87505



OIL CONSERVATION DIVISION



SWD-313
PDEV0020900313

February 8, 1995

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

Attention: W. Todd Lackey

**RE: Injection Pressure Increase
A. H. Blinebry Federal NCT-1 No. 11
Lea County, New Mexico**

Dear Mr. Lackey:

Reference is made to your request dated January 17, 1995, to increase the surface injection pressure on the A. H. Blinebry Federal NCT-1 Well No. 11. This request is based on a step rate test conducted on the well on December, 28, 1995. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the 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
A. H. Blinebry Federal NCT-1 No. 11 Unit L, Section 28, Township 22 South, Range 38 East, NMPM, Lea County, New Mexico	1315 PSIG

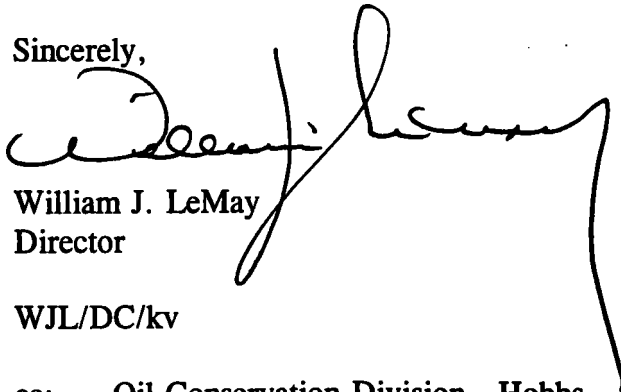
VILLAGRA BUILDING - 408 Galisteo
Forestry and Resources Conservation Division
P.O. Box 1948 87504-1948
827-5830
Park and Recreation Division
P.O. Box 1147 87504-1147
827-7465

2040 South Pacheco
Office of the Secretary
827-5950
Administrative Services
827-5925
Energy Conservation & Management
827-5900
Mining and Minerals
827-5970
Oil Conservation
827-7131

Injection Pressure Increase
Texaco Exploration and Production, Inc.
February 8, 1995
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 black ink, appearing to read 'William J. LeMay', with a long, sweeping horizontal stroke extending to the right.

William J. LeMay
Director

WJL/DC/kv

cc: Oil Conservation Division - Hobbs
File: SWD-313
R. Brown
D. Catanach

NO WAITING PERIOD

COMPANY: Texas Exploration and Production, Inc.
ADDRESS: P.O. Box 730
CITY, STATE, ZIP: Hobbs, New Mexico 88241-0730
ATTENTION: W. Todd Hackey

Re: Injection Pressure Increase
A. H. Blinbry Fed NCT-1 No. 11

Lea County, New Mexico

Dear Sir:

Reference is made to your request dated January 17, 1995, to increase the surface injection pressure on the A. H. Blinbry Federal NCT-1 Well No. 1. This request is based on a step rate test conducted on the well on December 21, 1994. The results of the test have been reviewed by my staff and we feel an increase in injection pressure on the well is justified at this time.

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

<u>Well & Location</u>	<u>Maximum Injection Surface Pressure</u>
<u>A. H. Blinbry Fed NCT-1 No. 11</u> <u>Unit 1, Section 24, T-22S, R-3E, NMPM</u> <u>Lea County, New Mexico</u>	<u>1315 PSI</u>

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. GALLEGO~~
D. CATANACH
FILE- SWD-313
OCD- Hobbs



Texaco E & P

PO Box 730
Hobbs NM 88241-0730
505 393 7191

OIL CONSERVATION DIVISION
RECEIVED

'95 JAN 20 AM 8:52

N/R

January 17, 1995

Mr. David R. Catanach
New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division
State Land Office Building
310 Old Santa Fe Trail
P.O. Box 2088
Santa Fe, New Mexico 87504

SUBJECT: REQUEST FOR INCREASED SURFACE INJECTION PRESSURE ON THE
A. H. BLINEBRY FED NCT-1 NO. 11
LEA COUNTY, NEW MEXICO

Mr. David Catanach:

Texaco request that the surface injection pressure limit be increased for the selected well on the attached list. The requested increase is based on a step rate test which is attached for your review.

The increase in surface injection pressure is necessary to facilitate the disposal of produced water on the subject lease.

Should you have any questions or require additional information, please contact me at (505) 397-0420.

Yours very truly,

W. Todd Lackey

W. Todd Lackey
Production Engineer

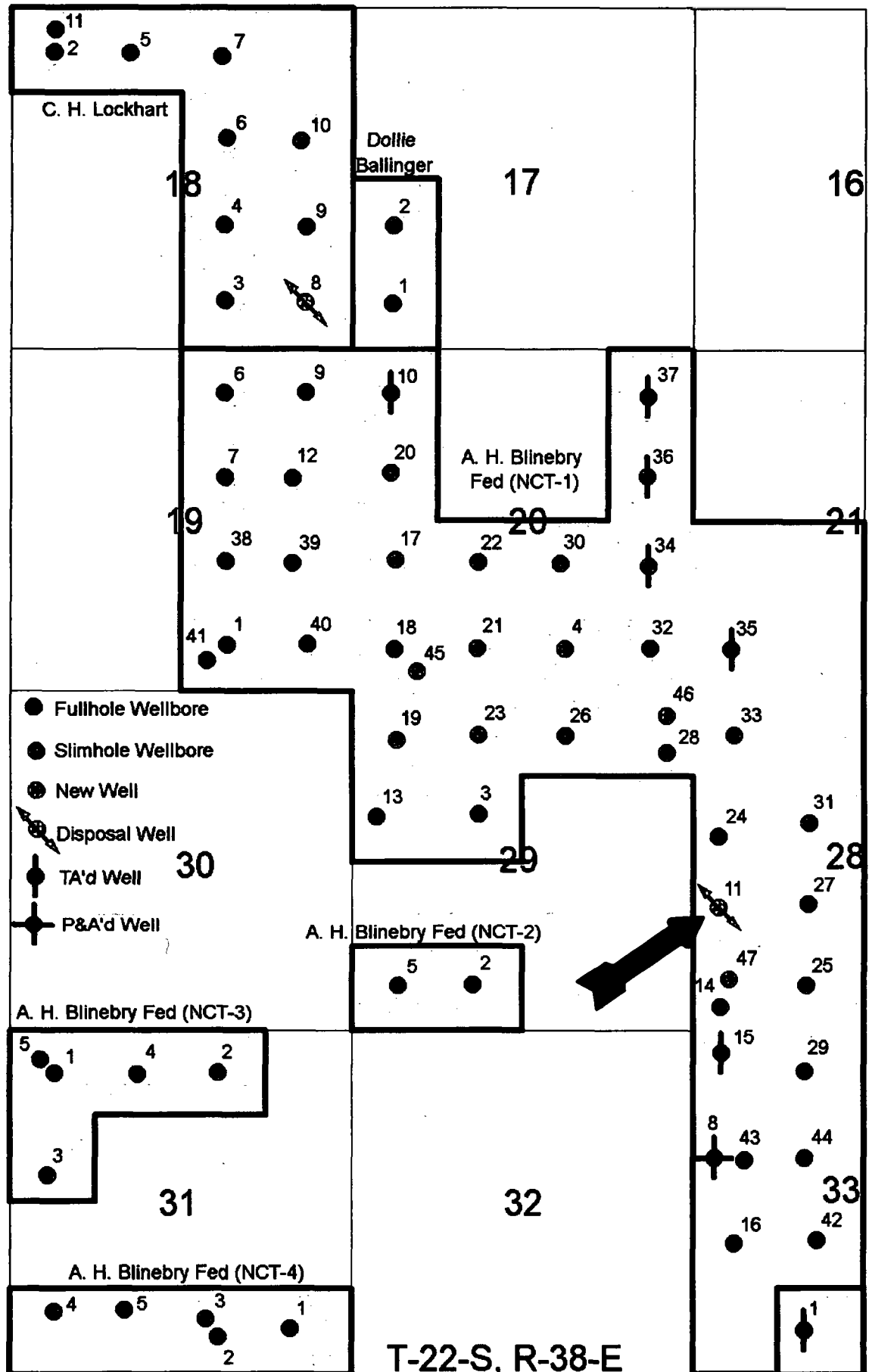
*SwD- 3/3
Current limit
990*

cc: Mr. Jerry Sexton
Oil Conservation Division
P.O. Box 1980
Hobbs, NM 88240

A.H. Blinebry Fed. NCT-1 Lease
Texaco Exploration and Production Inc.
Lea County, New Mexico

<u>Well</u>	<u>Present Allow Inj Press (PSIG)</u>	<u>Observed Surface Parting Press (PISG)</u>	<u>Requested Allow Inj Press (PSIG)</u>
#11	1210	1365	1315

Blinebry Field



WEST-TEST, INC.
A SUBSIDIARY OF JOHN WEST ENGINEERING COMPANY
Hobbs, New Mexico

STEP RATE INJECTION TEST

CLIENT: TEXACO EXPLORATION AND PRODUCTION

DATE: DECEMBER 28, 1994

WELL NAME: A.H BLINEBRY NCT 1 NO. 11
LEA COUNTY, NEW MEXICO

WO#: 94-14-2190

PERFS = 4675-4387

PACKER DEPTH = 4335

BHP GAUGE DEPTH = 4500

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)/24.2857	(7) MEASURED BHP (psi)
	9:30	860.5				860.5		3110.1
	9:35	898.7	0.7	201.6	0.752	897.9	5.88	3141.3
	9:40	921.5	1.4	201.6	0.752	920.7	5.88	3156.2
1	9:45	936.5	2.0	172.8	0.565	935.9	5.04	3167.8
				192.0				
	9:50	966.8	3.3	374.4	2.363	964.4	10.92	3202.1
	9:55	999.7	4.6	374.4	2.363	997.3	10.92	3224.6
2	10:00	1012.2	5.8	345.6	2.037	1010.2	10.08	3242.8
				364.8				
	10:05	1055.6	7.8	576.0	5.242	1050.4	16.80	3284.8
	10:10	1079.8	9.8	576.0	5.242	1074.6	16.80	3312.5
3	10:15	1100.3	11.8	576.0	5.242	1095.1	16.80	3335.6
				576.0				
	10:20	1145.2	14.5	777.6	9.133	1136.1	22.68	3377.5
	10:25	1167.0	17.1	748.8	8.517	1158.5	21.84	3406.2
4	10:30	1202.9	19.7	748.8	8.517	1194.4	21.84	3431.1
				758.4				
	10:35	1255.4	23.5	1094.4	17.187	1238.2	31.92	3489.3
	10:40	1273.3	27.3	1094.4	17.187	1256.1	31.92	3525.8
5	10:45	1306.6	31.1	1094.4	17.187	1289.4	31.92	3566.0
				1094.4				
	10:50	1389.8	36.2	1468.8	29.621	1360.2	42.84	3649.9
	10:55	1409.0	41.3	1468.8	29.621	1379.4	42.84	3671.8
6	11:00	1417.9	46.5	1497.6	30.704	1387.2	43.68	3686.0
				1478.4				
	11:05	1502.3	52.9	1843.2	45.085	1457.2	53.76	3754.8
	11:10	1476.6	59.4	1872.0	46.396	1430.2	54.60	3740.3
7	11:15	1498.3	65.9	1872.0	46.396	1451.9	54.60	3765.1
				1862.4				

5286 1

1	14112	1406'0	02'0	1415'0	42'300	1421'0	24'00	2102'1
	14110	1415'0	02'4	1415'0	40'000	1430'3	24'00	2140'0
	14102	1405'0	05'0	1408'3	42'000	1421'5	23'10	2100'0
2	14110	1411'0	40'2	1401'0	30'100	1331'0	43'00	2030'0
	10'22	1405'0	41'0	1400'0	50'051	1210'0	45'04	2011'0
	10'20	1390'0	00'5	1400'0	50'051	1000'0	45'04	2040'0
3	10'42	1300'0	01'1	1004'0	11'101	1300'4	01'00	2000'0
	10'40	1310'0	51'0	1004'0	11'101	1300'1	01'00	2000'0
	10'30	1300'0	00'0	1004'0	11'101	1300'5	01'00	2000'0
4	10'30	1300'0	10'1	1400'0	0'011	1404'0	01'00	2001'1
	10'32	1401'0	11'1	1400'0	0'011	1400'2	01'00	2000'3
	10'30	1400'0	10'2	1411'0	0'000	1400'1	01'00	2001'2
5	10'10	1100'0	11'0	010'0	0'000	1000'1	10'00	2000'0
	10'10	1010'0	0'0	010'0	0'000	1010'0	10'00	2010'0
	10'00	1000'0	1'0	010'0	0'000	1000'0	10'00	2000'0
6	10'00	1010'0	0'0	040'0	0'001	1010'0	10'00	2000'0
	0'02	000'1	4'0	010'0	0'000	001'0	10'00	2000'0
	0'00	000'0	0'0	010'0	0'000	000'0	10'00	2000'0
7	0'42	000'2	0'0	110'0	0'000	000'0	0'00	0100'0
	0'40	001'0	1'0	001'0	0'000	000'1	0'00	0100'0
	0'32	000'1	0'1	001'0	0'000	001'0	0'00	0100'0
8	0'30	000'0	0'0	000'0	0'000	000'0	0'00	0100'0

REFLECTOR	TIME	(000)	(000)	(000)	(000)	(000)	(000)	(000)
REFLECTOR	TIME	INSTRUMENT	REFLECTOR	INSTRUMENT	REFLECTOR	INSTRUMENT	REFLECTOR	INSTRUMENT
REFLECTOR	TIME	INSTRUMENT	REFLECTOR	INSTRUMENT	REFLECTOR	INSTRUMENT	REFLECTOR	INSTRUMENT

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TEXACO EXPLORATION AND PRODUCTION

WEST TEXAS - A HENRIETTA WELLS - NO. 1

DATE: 04-14-1960

CHIEF: TEXACO EXPLORATION AND PRODUCTION

DATE: DECEMBER 30, 1961

STEFANIE INJECTION TEST

REPORT NO. 10000

A SUBSIDIARY OF JOHN DEERE ENGINEERING COMPANY

WEST - TEXAS - NO. 1

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)/34.2657	(7) MEASURED BHP (psi)
8	11:20	1571.2	73.7	2246.4	65.008	1506.2	65.52	3816.3
	11:25	1591.4	81.6	2275.2	66.559	1524.8	66.36	3841.8
	11:30	1614.2	89.5	2275.2 2265.6	66.559	1547.6	66.36	3859.9
FALLOFF	11:31	1437.5				1437.5		3762.0
	11:32	1427.2				1427.2		3755.1
	11:33	1423.8				1423.8		3749.7
	11:34	1419.5				1419.5		3746.8
	11:35	1415.6				1415.6		3744.0
	11:40	1401.3				1401.3		3727.3
	11:45	1387.0				1387.0		3710.7

