

**BEFORE EXAMINER NUTTER**

**OIL CONSERVATION COMMISSION**

**EXHIBIT NO. VII**

**CASE NO. 3344 & 3345**

WEST VACUUM UNIT

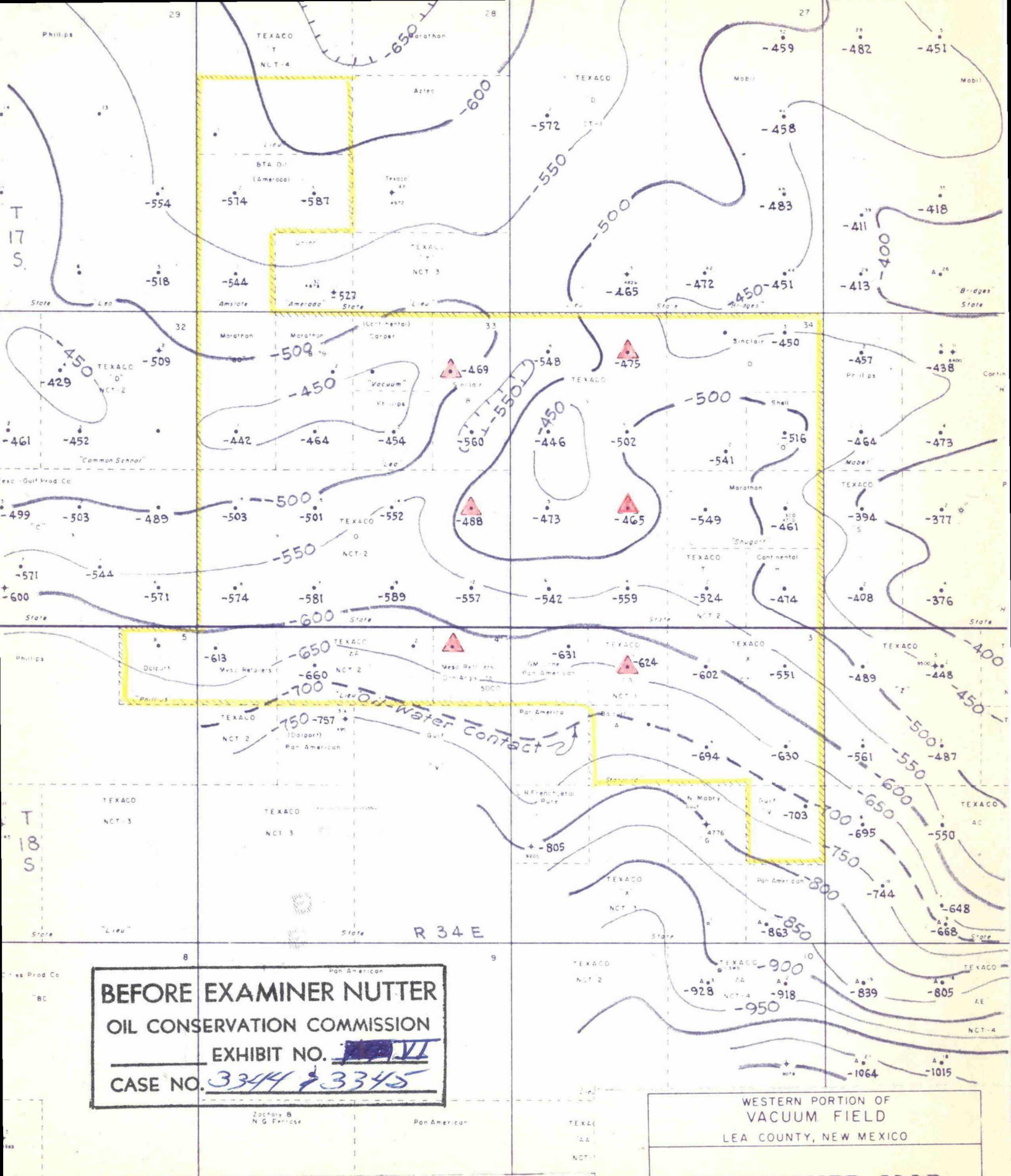
Production - September, 1965

Top Allowable - 37 BOPD

(Data from NMOCC "Monthly Statistical Report")

Co. & Lease	Well No.	BOPD	BWPD
<div style="border: 2px solid black; padding: 5px; display: inline-block;"> <b>BEFORE EXAMINER NUTTER</b>  <b>OIL CONSERVATION COMMISSION</b>  <b>EXHIBIT NO. VIII</b>  <b>CASE NO. 3344 &amp; 3345</b> </div>			
BTA			
Armstate	1	5.7	4
Armstate	2	7.4	5
Armstate	3	4.9	3
Carper Drilling Co.			
Vacuum State	1	7.2	0
G. M. Cone			
Stanolind State	1	6.2	0
Continental Oil Company			
State 'H' - 34	1	20.1	0
Dalport			
Phillips State 1B	1	5.7	1
Stanolind State A	1	7.4	0
Gulf Oil Corp.			
Lea State 'VA'	1	8.9	2
Marathon Oil Co.			
State Shugart	1	15.7	0
State Shugart	2	18.2	0
State 'B'	1	12.9	0
State 'B'	2	13.5	0
State 'A'	1	7.7	0
Mesa Retailers			
State Lease	1	3.3	0
State Lease	2	5.3	0
Phillips Petroleum Co.			
State Lea	2	5.6	0
Shell Oil Company			
State 'O' Lease	1	8.3	0
Sinclair Oil Company			
State 'B' Lease	1	7.9	0
State 'B' Lease	3	1.7	0
State 'O' Lease (D&E)	1	4.3	0
State 'O' Lease	2	3.7	0

<u>Co. &amp; Lease</u>	<u>Well No.</u>	<u>BOPD</u>	<u>BWPD</u>
Sinclair Oil Company (Cont'd)			
State 'O' Lease	3	9.0	0
TEXACO Inc.			
State 'AA' (NCT-1)	1	6.8	3
State 'AA' (NCT-2)	1	3.1	0
State 'AA' (NCT-2)	2	4.7	0
State 'AA' (NCT-2)	11	8.4	0
State 'O' (NCT-2)	12	20.0	11
	14	18.9	0
	15	13.3	0
	16	17.5	0
	17	11.0	0
	18	7.1	0
	19	17.3	0
State 'T' (NCT-2)	2	17.1	0
State 'T' (NCT-4)	1	5.6	0
State 'V'	1	1.3	0
	2	37.0 ✓	0
	3	22.0	0
	4	37.0 ✓	0
	5	37.0 ✓	0
	6	17.6	0
	7	18.7	0
	8	2.9	0
State 'X' (NCT-1)	1	35.7 ✓	0
	2	35.7 ✓	3
	4	0	0
	5	35.8 —	0



**BEFORE EXAMINER NUTTER**  
**OIL CONSERVATION COMMISSION**  
**EXHIBIT NO. VI**  
**CASE NO. 3344 & 3345**

WESTERN PORTION OF  
**VACUUM FIELD**  
 LEA COUNTY, NEW MEXICO

**STRUCTURE MAP**

CONTOURED ON **TOP SAN ANDRES**  
 CONTOUR INTERVAL **50'** BY **DATE 11-9-65**  
 SCALE: 0' 1000' 2000' 3000'

**LEGEND**

- ▲ PROPOSED INJECTORS
- △ INJECTORS
- UNIT BOUNDARY, WEST VACUUM

**POOL LEGEND**

- G GLORIETA
  - B BLINEBRY
  - A ABO
  - W WOLFCAMP
  - P PENNSYLVANIAN
  - D DEVONIAN
- WELLS NOT NOTED ARE SAN ANDRES

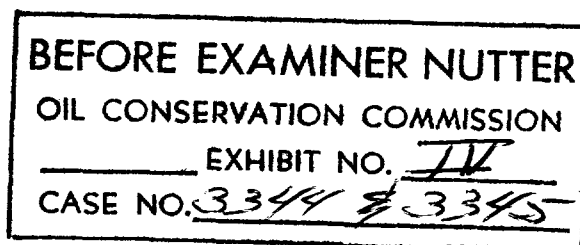
DESCRIPTION OF WATER SOURCE

TEXACO has appropriated water rights under 606.9 acres of Section 30, Township 17-South, Range 35-East, except five acres. This appropriation is for a combined total of 2100 acre feet per annum (44,633 BPD) of the shallow ground water of the Lea County Underground Water Basin by drilling four wells, each approximately 200 feet in depth and 13-3/8 inches in diameter, to be located as follows:

<u>Well No.</u>	<u>Subdivision</u>	<u>Section</u>	<u>Township</u>	<u>Range</u>
L-4247	NW/4 NW/4	30	17-S	35-E
L-4247-X	SW/4 NW/4	30	17-S	35-E
L-4247-X-2	SW/4 SW/4	30	17-S	35-E
L-4247-X-3	NW/4 SW/4	30	17-S	35-E

said wells to be used for the secondary recovery of oil by waterflooding approximately 4240 acres in the Proposed West Vacuum Unit.

Under Permit No. L-4247X2 a water source well was drilled in the SW/4 SW/4 SW/4 of Section 30, Township 17-South, Range 35-East. Abbott Brothers, Hobbs, New Mexico, was the Drilling Contractor. Water-bearing strata were encountered from 83 to 115 feet and from 135 to 190 feet. Total depth is 200 feet and 11-3/4", 32# spiral welded casing with perforation from 100 to 200 feet was set at total depth. This well was completed August 28, 1963.





**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

October 29, 1999

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

Attn: Mr. Siamak Safargar

**RE: Injection Pressure Increase,  
West Vacuum Unit,  
Lea County, New Mexico**

Dear Mr. Safargar:

Reference is made to your request dated October 28, 1999 to increase the surface injection pressure on 4 wells in the above referenced project. This request is based on a step rate tests conducted between October 18 and 20, 1999. 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:

<b>Well and Location</b>	<b>Maximum Surface Injection Pressure</b>
West Vacuum Unit Well No.57 Unit 'P', Section 34 Township 17 South, Range 34 East	1710 PSIG
West Vacuum Unit Well No.58 Unit 'B', Section 3, Township 18 South, Range 34 East	1685 PSIG
West Vacuum Unit Well No.60 Unit 'I', Section 34, Township 17 South, Range 34 East	1890 PSIG
West Vacuum Unit Well No.68 Unit 'A', Section 34, Township 17 South, Range 34 East	1300 PSIG
Located in Lea County, New Mexico.	

*Injection Pressure Increase*

*Texaco Exploration & Production, Inc.*

*October 29, 1999*

*Page 2*

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The Division Director may rescind these injection pressure increases 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 cursive script, appearing to read "Lori Wrotenbery", followed by a small, stylized mark that could be initials or a flourish.

Lori Wrotenbery  
Director

LW/MWA/kv

cc: Oil Conservation Division - Hobbs  
Files: Case No. 3345; 4<sup>th</sup> QTR-99 PSI-X



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

3345

OIL CONSERVATION DIVISION  
2040 South Pacheco Street  
Santa Fe, New Mexico 87505  
(505) 827-7131

January 21, 1997

RECEIVED

JAN 27 1997

OIL CON. DIV.  
DIST. 2

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

Attn: Mr. James Anderson

**RE: Injection Pressure Increase,  
West Vacuum Unit Well No.56  
Lea County, New Mexico**

Dear Mr. Anderson:

Reference is made to your request dated December 11, 1996 to increase the surface injection pressure on the above referenced well. This request is based on a step rate test conducted on December 3, 1996. 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:

<i>Well and Location</i>	<i>Maximum Surface Injection Pressure</i>
West Vacuum Unit Well No.56	1806 PSIG
Located in Township 17 South, Range 34 East, Lea County, New Mexico.	

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/BES

cc: Oil Conservation Division - Hobbs  
Files: Case No.3345; PSI-X 2nd QTR-97