



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

August 25, 1992

CAMBELL, CARR, BERGE
& SHERIDAN
Attorneys at Law
P. O. Box 2208
Santa Fe, New Mexico 87504

RE: CASE NO. 10515
ORDER NO. R-9710

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

A handwritten signature in cursive script, appearing to read "Florene".

Florene Davidson
OC Staff Specialist

FD/sl

cc: BLM Carlsbad Office
T. Kellahin

CAMPBELL, CARR, BERGE

& SHERIDAN, P.A.

LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

JACK M. CAMPBELL
OF COUNSEL

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE: (505) 988-4421
TELECOPIER (505) 983-6043

August 27, 1992

HAND-DELIVERED

RECEIVED

AUG 27 1992

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

OIL CONSERVATION DIV.
SANTA FE

Case 10515

Re: In the Matter of the Application of Texaco Exploration and Production Inc.
for Statutory Unitization, Lea County, New Mexico

Dear Mr. LeMay:

On August 25, 1992 the Division entered Order No. R-9710 approving the application of Texaco Exploration and Production Inc. for statutory unitization of the Vacuum Glorieta West Unit Area. This letter is to advise you that sufficient ratifications have been obtained to make this unit effective September 1, 1992.

Enclosed for your files are copies of ratifications from the owners of more than 75% of the working interest in the unit area and the Commissioner of Public Lands final approval of the unit area thereby committing in excess of 99% of the royalty interest to this unit. Also enclosed is a Certificate of Effectiveness which we would appreciate you signing for the Division. It is our intention to file this Certificate in the records of Lea County, New Mexico on August 28, 1992.

Your attention to this request is appreciated.

Very truly yours,



WILLIAM F. CARR

WFC:mlh
Enclosures



State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

JIM BACA
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

August 27, 1992

Campbell, Carr, Berge & Sheridan, P. A.
P. O. Box 2208
Santa Fe, New Mexico 87504-2208

Attn: Mr. William F. Carr

Re: Final Approval
Vacuum Glorieta West Unit
Lea County, New Mexico

Dear Mr. Carr:

This office is in receipt of your letter of August 27, 1992 requesting final approval of the Vacuum Glorieta West Unit. Attached with your letter is a copy of the New Mexico Oil Conservation Division's Statutory Unitization Order No. R-9710 entered on August 25, 1992 in Case No. 10515. Under this order all tracts within the proposed unit boundary will be committed to the unit.

Please be advised that the Commissioner of Public Lands has this date granted final approval to the Vacuum Glorieta West Unit, Lea County, New Mexico and your Initial Plan of Operation.

Our approval is subject to the New Mexico Oil Conservation Division approving your waterflood project and a stipulation, to be made a part hereof, requiring the Unit Operator, within three years following the effective date of the Vacuum Glorieta West Unit, to submit for the Commissioner's review the fresh water requirements for this unit.


Enclosed are Five (5) Certificates of Approval.

Your filing fee in the amount of Three Hundred Dollars (\$300.00) has been received.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744

JB/FOP/pm
OCD-Santa Fe
TRD-Santa Fe



NEW MEXICO STATE LAND OFFICE

CERTIFICATE OF APPROVAL

COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO


TEXACO EXPLORATION AND PRODUCTION INC.
VACUUM GLORIETA WEST UNIT
LEA COUNTY, NEW MEXICO

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, a Unit Agreement for the development and operation of acreage which is described within the referenced Agreement, dated June 1, 1992, which said Agreement has been executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said Agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- (b) That under the proposed agreement, the State of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary Institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the State, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 19-10-45, 19-10-46, 19-10-47, New Mexico Statutes Annotated, 1978 Compilation, I, the undersigned Commissioner of Public Lands of the State of New Mexico, do hereby consent to and approve the said Agreement, however, such consent and approval being limited and restricted to such lands within the Unit Area, which are effectively committed to the Unit Agreement as of this date, and further, that leases insofar as the lands covered thereby committed to this Unit Agreement shall be and the same are hereby amended to conform with the terms of such Unit Agreement, and said leases shall remain in full force and effect in accordance with the terms and conditions of said Agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this 27th day of August, 1992.


COMMISSIONER OF PUBLIC LANDS
of the State of New Mexico

**RATIFICATION AND JOINDER
OF AGREEMENTS ENTITLED
UNIT AGREEMENT AND UNIT OPERATING AGREEMENT
VACUUM GLORIETA WEST UNIT AREA
LEA COUNTY, NEW MEXICO**

KNOW ALL PERSONS BY THESE PRESENTS, THAT:

WHEREAS, each of the undersigned owners of a royalty interest or interests hereby acknowledges receipt of a true and correct copy of that certain agreement, dated June 1, 1992, entitled "Unit Agreement For the Development and Operation of the Vacuum Glorieta West Unit Area, Lea County, New Mexico", which agreement is hereinafter referred to as the Unit Agreement; and

WHEREAS, each of the undersigned owners of a working interest or interests hereby acknowledges receipt of a true and correct copy of said Unit Agreement, and a true and correct copy of that certain agreement, dated June 1, 1992, entitled "Unit Operating Agreement, Vacuum Glorieta West Unit Area, Lea County, New Mexico", which agreement is hereinafter referred to as the Unit Operating Agreement; and

WHEREAS, Exhibits "A", "B" and "C", attached to and made a part of said Unit Agreement, identify the separately owned tracts which will become a part of the Unit; and

WHEREAS, each of the undersigned represents that it is a Royalty Owner or Working Interest Owner, or both, as defined in said Unit Agreement, in one or more of the Tracts identified by said Exhibits; and

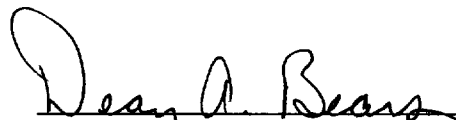
WHEREAS, each undersigned Royalty Owner, being familiar with the contents thereof, desires to ratify and confirm said Unit Agreement and each undersigned Working Interest Owner, being familiar with the contents thereof, desires to ratify, confirm and join said Unit Agreement and said Unit Operating Agreement.

NOW, THEREFORE, each of the undersigned who is the owner of a royalty interest or interests only does hereby ratify and confirm said Unit Agreement, and each of the undersigned who is the owner of a working interest or interests only or the owner of both a working interest or interests or royalty interest or interests does hereby ratify, confirm and join said Unit Agreement and said Unit Operating Agreement, each owner with respect to all of its interests in all of the separately owned Tracts identified by said Exhibits, thereby becoming a party thereto. This instrument shall be binding upon the undersigned, its successors and assigns.

IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth opposite its signature.

DATE: August 26, 1992

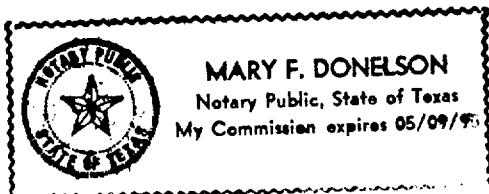
TEXACO EXPLORATION AND
COMPANY: PRODUCTION INC.

BY: 
Dean A. Bears

TITLE: Attorney-in-Fact

STATE OF TEXAS }
 }
COUNTY OF MIDLAND }

This instrument was acknowledged before me this 26th day of
August, 1992, by Dean A. Bears, as Attorney-
in-Fact of Texaco Exploration and Production Inc., a Delaware
corporation, on behalf of said corporation.



Mary F. Donelson
Notary Public in and for the
State of Texas

Print Name: MARY F. DONELSON

My Commission Expires:

05/09/95

**RATIFICATION AND JOINDER
OF AGREEMENTS ENTITLED
UNIT AGREEMENT AND UNIT OPERATING AGREEMENT
VACUUM GLORIETA WEST UNIT AREA
LEA COUNTY, NEW MEXICO**

KNOW ALL PERSONS BY THESE PRESENTS, THAT:

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WHEREAS, Exhibits "A", "B" and "C", attached to and made a part of said Unit Agreement, identify the separately owned tracts which will become a part of the Unit; and

WHEREAS, each of the undersigned represents that it is a Royalty Owner or Working Interest Owner, or both, as defined in said Unit Agreement, in one or more of the Tracts identified by said Exhibits; and

WHEREAS, each undersigned Royalty Owner, being familiar with the contents thereof, desires to ratify and confirm said Unit Agreement and each undersigned Working Interest Owner, being familiar with the contents thereof, desires to ratify, confirm and join said Unit Agreement and said Unit Operating Agreement.

NOW, THEREFORE, each of the undersigned who is the owner of a royalty interest or interests only does hereby ratify and confirm said Unit Agreement, and each of the undersigned who is the owner of a working interest or interests only or the owner of both a working interest or interests or royalty interest or interests does hereby ratify, confirm and join said Unit Agreement and said Unit Operating Agreement, each owner with respect to all of its interests in all of the separately owned Tracts identified by said Exhibits, thereby becoming a party thereto. This instrument shall be binding upon the undersigned, its successors and assigns.

IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth opposite its signature.

DATE: August 24, 1992

COMPANY: PHILLIPS PETROLEUM COMPANY

BY:

J.E. Carlton

J.E. CARLTON

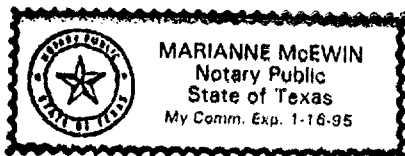
TITLE:

Attorney-In-Fact

104
EAM PA
JRW

STATE OF TEXAS }
COUNTY OF ECTOR }

This instrument was acknowledged before me this 24th day of
August, 1992, by J. E. Carlton, as _____
Attorney-in-Fact of PHILLIPS PETROLEUM COMPANY, a _____
Delaware corporation, on behalf of said corporation.



Marianne McEwin
Notary Public in and for the
State of Texas
Print Name: Marianne McEwin

My Commission Expires:
1-16-95

RATIFICATION AND JOINDER
OF AGREEMENTS ENTITLED
UNIT AGREEMENT AND UNIT OPERATING AGREEMENT
VACUUM GLORIETA WEST UNIT AREA
LEA COUNTY, NEW MEXICO

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WHEREAS, each undersigned Royalty Owner, being familiar with the contents thereof, desires to ratify and confirm said Unit Agreement and each undersigned Working Interest Owner, being familiar with the contents thereof, desires to ratify, confirm and join said Unit Agreement and said Unit Operating Agreement.

NOW, THEREFORE, each of the undersigned who is the owner of a royalty interest or interests only does hereby ratify and confirm said Unit Agreement, and each of the undersigned who is the owner of a working interest or interests only or the owner of both a working interest or interests or royalty interest or interests does hereby ratify, confirm and join said Unit Agreement and said Unit Operating Agreement, each owner with respect to all of its interests in all of the separately owned Tracts identified by said Exhibits, thereby becoming a party thereto. This instrument shall be binding upon the undersigned, its successors and assigns.

IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth opposite its signature.

DATE: 8/26/92

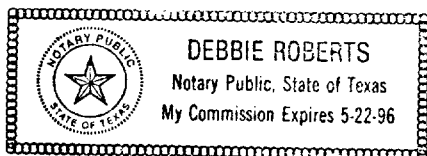
COMPANY: CONOCO INC.

BY: Frank L. Mosley 

TITLE: ATTORNEY-IN-FACT

STATE OF Texas }
COUNTY OF MIDLAND }

This instrument was acknowledged before me this 26th day of August, 1992, by MARK K. Mosley, as ATTORNEY-IN-FACT of CONOCO INC., a DELAWARE corporation, on behalf of said corporation.



Debbie Roberts
Notary Public in and for the
State of TEXAS

Print Name: DEBBIE ROBERTS

My Commission Expires:

5-22-96

RATIFICATION AND JOINDER
OF AGREEMENTS ENTITLED
UNIT AGREEMENT AND UNIT OPERATING AGREEMENT
VACUUM GLORIETA WEST UNIT AREA
LEA COUNTY, NEW MEXICO

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NOW, THEREFORE, each of the undersigned who is the owner of a royalty interest or interests only does hereby ratify and confirm said Unit Agreement, and each of the undersigned who is the owner of a working interest or interests only or the owner of both a working interest or interests or royalty interest or interests does hereby ratify, confirm and join said Unit Agreement and said Unit Operating Agreement, each owner with respect to all of its interests in all of the separately owned Tracts identified by said Exhibits, thereby becoming a party thereto. This instrument shall be binding upon the undersigned, its successors and assigns.

IN WITNESS WHEREOF, each of the undersigned parties has executed this instrument on the date set forth opposite its signature.

DATE: August 26, 1992

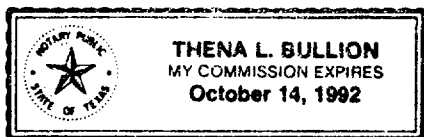
COMPANY: MOBIL PRODUCING TEXAS & NEW MEXICO INC.

BY: MR White *dyk.*
M. R. WHITE

TITLE: ATTORNEY-IN-FACT

STATE OF TEXAS }
COUNTY OF MIDLAND }

This instrument was acknowledged before me this 26th day of August, 1992, by M. R. WHITE, as ATTORNEY-IN-FACT of MOBIL PRODUCING TEXAS & NEW MEXICO INC., a DELAWARE corporation, on behalf of said corporation.



Thena L. Bullion
Notary Public in and for the
State of _____

Print Name: _____

My Commission Expires:

**VACUUM GLORIETA WEST UNIT
LEA COUNTY, NEW MEXICO**

CERTIFICATE OF EFFECTIVENESS

The Oil Conservation Division of the Energy, Minerals and Natural Resources Department, State of New Mexico, hereby certifies as follows:

1. In accordance with the provisions of the New Mexico Statutory Unitization Act (N.M.Stat.Ann. § 70-7-1 through 70-7-21 (1978)), the Oil Conservation Division entered Order No. R-9710 dated August 25, 1992, which granted the application of Texaco Exploration and Production Inc. for statutory unitization of the Vacuum Glorieta West Unit Area comprised of 2,778.86 acres, more or less, of State and Fee lands, in the Vacuum-Glorieta Pool, Lea County, new Mexico.

2. Order No. R-9710 provides that statutory unitization of the Vacuum Glorieta West Unit will become effective upon approval of the plan for unit operations by owners of seventy-five percent (75%) of the working interest and seventy-five (75%) of the royalty interest in the proposed unit area.

3. Texaco Exploration and Production Inc., operator of the Vacuum Glorieta West Unit, has provided the Division with documentation which verifies that the persons owning the required percentages of working interest and royalty interest in the Vacuum Glorieta West Unit Area have ratified and approved the plan for unit operations in accordance with the rules and regulations of the Division and Order No. R-9710.

4. Accordingly, Division Order No. R-9710 is now in full force and effect and the unit agreement and unit operating agreement for the Vacuum Glorieta West Unit shall become effective as of September 1, 1992 at 7:00 a.m. Mountain Standard Time for the

area known as the Vacuum Glorieta West Unit Area.

5. The horizontal limits of this unit area shall be comprised of the following described State and Fee lands in Lea County, New Mexico:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 24: SW/4; SW/4 NW/4; SW/4 SE/4
Section 25: All
Section 26: E/2 SE/4
Section 35: NE/4; N/2 SE/4; SE/4 SE/4
Section 36: All

TOWNSHIP 17 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 30: Lots 1, 2, 3, 4 (W/2 W/2)
Section 31: Lots 1, 2, 3, 4 (W/2 W/2)

TOWNSHIP 18 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 1: Lots 1, 2, 3, 4; (N/2 N/2) S/2 NE/4
Section 2: Lot 1 (NE/4 NE/4)

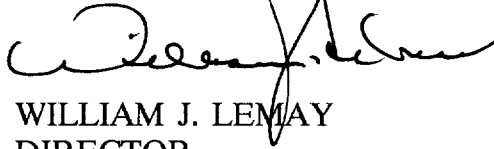
TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 6: Lots 1, 2, 3, 4, 5; SE/4 NW/4; S/2 NE/4 (N/2)

6. The vertical limits of the Unit Area shall comprise the correlative interval containing the Glorieta and Paddock formations as found from a depth of 5,838 feet to a depth of 6,235 feet on the Schlumberger Sonic Log run on the Mobil Bridges State Well No. 95 located in the SE/4 SE/4 (Unit P) of Section 26, Township 17 South, Range 34 East, N.M.P.M., Lea County, New Mexico.

IN WITNESS WHEREOF, THIS CERTIFICATE IS EXECUTED THIS 27th
DAY OF AUGUST, 1992.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
DIRECTOR

STATE OF NEW MEXICO)
) ss.
COUNTY OF SANTA FE)

The foregoing instrument was acknowledged before me this 27th day of August, 1992, by William J. LeMay, Director of the New Mexico Oil Conservation Division, on behalf of said Division.



Notary Public

My Commission Expires:

Oct 28, 1993



State of New Mexico

OFFICE OF THE

Commissioner of Public Lands

Santa Fe

JIM BACA
COMMISSIONER

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

August 27, 1992

Campbell, Carr, Berge & Sheridan, P. A.
P. O. Box 2208
Santa Fe, New Mexico 87504-2208

Attn: Mr. William F. Carr

Re: Final Approval
Vacuum Glorieta West Unit
Lea County, New Mexico

Dear Mr. Carr:

This office is in receipt of your letter of August 27, 1992 requesting final approval of the Vacuum Glorieta West Unit. Attached with your letter is a copy of the New Mexico Oil Conservation Division's Statutory Unitization Order No. R-9710 entered on August 25, 1992 in Case No. 10515. Under this order all tracts within the proposed unit boundary will be committed to the unit.

Please be advised that the Commissioner of Public Lands has this date granted final approval to the Vacuum Glorieta West Unit, Lea County, New Mexico and your Initial Plan of Operation.

Our approval is subject to the New Mexico Oil Conservation Division approving your waterflood project and a stipulation, to be made a part hereof, requiring the Unit Operator, within three years following the effective date of the Vacuum Glorieta West Unit, to submit for the Commissioner's review the fresh water requirements for this unit.

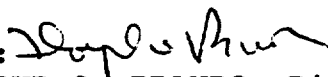
Enclosed are Five (5) Certificates of Approval.

Your filing fee in the amount of Three Hundred Dollars (\$300.00) has been received.

If you have any questions, or if we may be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744

JB/FOP/pm
OCD-Santa Fe
TRD-Santa Fe



UNIT NAME: **VACUUM GLORIEIA WEST UNIT**
OPERATOR: **TEXACO EXPLORATION AND PRODUCTION INC.**
COUNTY: **LEA**

OCD

DATE	OCD CASE NO.	EFFECTIVE DATE	TOTAL ACREAGE	STATE	FEDERAL-INDIAN	FEE	SEG CLAUSE	TERM
------	--------------	----------------	---------------	-------	----------------	-----	------------	------

		8/27/92	2778.86	2738.86	-0-	40.00	LEASE EXTENDED IF SHARING IN ROYALTY	SO LONG AS
--	--	---------	---------	---------	-----	-------	--------------------------------------	------------

OCD: 8/25/92 STATUTORY UNITIZATION CASE NO. 10515 ORDER NO. R-9710

CPL: 8/27/92

UNIT AREA:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

Section 24: SW $\frac{1}{4}$, SW $\frac{1}{4}$ N $\frac{1}{2}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$

Section 25: ALL

Section 26: E $\frac{1}{2}$ SE $\frac{1}{4}$

Section 35: NE $\frac{1}{4}$, N $\frac{1}{2}$ SE $\frac{1}{4}$, SE $\frac{1}{4}$ SE $\frac{1}{4}$

Section 36: A11

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM

Section 30: Lots 1,2,3,4, (W $\frac{1}{2}$ N $\frac{1}{2}$)

Section 31: Lots 1,2,3,4, (W $\frac{1}{2}$ N $\frac{1}{2}$)

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM

Section 1: Lots 1,2,3,4, (N $\frac{1}{2}$ N $\frac{1}{2}$), S $\frac{1}{2}$ NE $\frac{1}{4}$

Section 2: Lot 1, (NE $\frac{1}{4}$ NE $\frac{1}{4}$)

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM

Section 6: Lots 1,2,3,4,5, SE $\frac{1}{4}$ N $\frac{1}{2}$, S $\frac{1}{2}$ NE $\frac{1}{4}$, (N $\frac{1}{2}$)

EXHIBIT "B"
SCHEDULE SHOWING ALL LANDS AND LEASES
WITHIN THE VACUUM GLORIA WEST UNIT AREA
LEA COUNTY, NEW MEXICO

STATE LANDS

TRACT NO. AND TRACT NAME	DESCRIPTION OF LAND	ACRES	SERIAL NO. AND EFFECTIVE DATE	BASIC ROYALTY OWNER AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER AND PERCENTAGE	BENEFICIARY
1 NEW MEXICO "M" STATE	SW/4 NE/4, SE/4 NE/4, SW/4 NW/4, SE/4 NW/4, SW/4 SE/4, SW/4 SE/4, SE/4 SE/4, SECTION 36, T17S-R34E	400.00	B-155-6 08-14-31	COMMISSIONER OF PUBLIC LANDS NM 12.50	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	C.S.
2 NEW MEXICO "U" STATE	LOT 1, SECTION 2, T18S-R34E C.S.	40.92	B-867-2 05-06-32	COMMISSIONER OF PUBLIC LANDS NM 12.50	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	C.S.
3 NEW MEXICO "T"	SE/4 NE/4 SECTION 25, T17S-R34E	40.00	B-1030-2 07-11-32	COMMISSIONER OF PUBLIC LANDS NM 12.50	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	Mt. Inst.
4 NEW MEXICO "Q" STATE	NW/4 SE/4, SW/4 SE/4, SE/4 SE/4 SECTION 25, T17S-R34E	120.00	B-1056-2 07-16-32	COMMISSIONER OF PUBLIC LANDS NM 12.50	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	Mt. Inst.
5 NEW MEXICO "M"	LOTS 3, 4, SECTION 1, T18S-R34E	81.58	B-1080-2 07-30-32	COMMISSIONER OF PUBLIC LANDS NM 12.50	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	C.S.

EXHIBIT "g"
SCHEDULE SHOWING ALL LANDS AND LEASES
WITHIN THE VAQUAN GLORIETA WEST UNIT AREA
LEA COUNTY, NEW MEXICO
STATE LANDS

TRACT NO. AND TRACT NAME	DESCRIPTION OF LAND	ACRES	SERIAL NO. AND EFFECTIVE DATE	BASIC ROYALTY OWNER AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER AND PERCENTAGE	BENEFICIARY	
6 WARN STATE	LOTS 3, 4, 5, SE/4 NW/4 SECTION 6, T18S-R35E	154.94	B-1113-1 08-10-32	COMMISSIONER OF PUBLIC LANDS NM	MARATHON OIL COMPANY	100.00	MARATHON OIL COMPANY	100.00	C.S.
7 MEXICO "R"	LOTS 1, 2, SW/4 NE/4, SE/4 NE/4 SECTION 6, T18S-R35E	160.00	B-1306-2 11-10-32	COMMISSIONER OF PUBLIC LANDS NM	TEXACO EXPLORATION AND PRODUCTION INC.	100.00	TEXACO EXPLORATION AND PRODUCTION INC.	100.00	C.S.
8 STATE "D"	LOT 4, SECTION 31, T17S-R35E	37.42	B-1415-2 12-03-32	COMMISSIONER OF PUBLIC LANDS NM	SHELL WESTERN E & P INC.	100.00	TEXACO EXPLORATION AND PRODUCTION INC.	100.00	C.S.
9 STATE "H"	LOT 1, SECTION 31, T17S-R35E	37.56	B-1518-1 12-21-32	COMMISSIONER OF PUBLIC LANDS NM	MOBIL PRODUCING TEXAS & NEW MEXICO INC.	100.00	MOBIL PRODUCING TEXAS & NEW MEXICO INC.	100.00	C.S.
10 BRIDGES STATE	SW/4, SW/4 NW/4 SECTION 24; NW/4, N/2 NE/4, SW/4 NE/4, SECTION 25; E/2 SE/4 SECTION 26; T17S-R34E	560.00	B-1520-1 12-21-32	COMMISSIONER OF PUBLIC LANDS NM	MOBIL PRODUCING TEXAS & NEW MEXICO INC.	100.00	MOBIL PRODUCING TEXAS & NEW MEXICO INC.	100.00	Section 24 & 26 C.S. Inst.

EXHIBIT "B"
SCHEDULE SHOWING ALL LANDS AND LEASES
WITHIN THE VACUUM GLORIALEA WEST UNIT AREA
LEA COUNTY, NEW MEXICO

STATE LANDS

TRACT NO. AND TRACT NAME	DESCRIPTION OF LAND	ACRES	SERIAL NO. AND EFFECTIVE DATE	BASIC ROYALTY OWNER AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER AND PERCENTAGE	BENEFICIARY
11 STATE "BA"	NE/4 NE/4, NW/4 NE/4, NE/4 NW/4, NW/4 NW/4 SECTION 36, T17S-R34E	160.00	B-1565-8 12-29-32	COMMISSIONER OF PUBLIC LANDS NM	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	C.S.
12 SANTA FE	SW/4 NW/4, NW/4 SW/4 SECTION 31, T17S-R35E	74.98	B-1606 01-10-33	COMMISSIONER OF PUBLIC LANDS NM	PHILLIPS PETROLEUM COMPANY 100.00		PHILLIPS PETROLEUM COMPANY 100.00	C.S.
13 NEW MEXICO "N"	LOTS 1, 2, 3, 4, SECTION 30, T17S-R35E	150.56	B-1722-2 02-13-33	COMMISSIONER OF PUBLIC LANDS NM	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	C.S.
14 "U" MEXICO "U" ATE	LOTS 1, 2, SW/4 NE/4, SE/4 NE/4 SECTION 1, T18S-R34E	160.90	B-1733-2 02-17-33	COMMISSIONER OF PUBLIC LANDS NM	TEXACO EXPLORATION AND PRODUCTION INC. 100.00		TEXACO EXPLORATION AND PRODUCTION INC. 100.00	C.S.
15 STATE "A"	SW/4 SE/4 SECTION 24, T17S-R34E	40.00	B-1838-3 03-31-33	COMMISSIONER OF PUBLIC LANDS NM	ATLANTIC RICHFIELD COMPANY 100.00	ARCO OIL AND GAS COMPANY 12.50	*TEXACO EXPLORATION AND PRODUCTION INC. 100.00	C.S.

*TITLE CURATIVE IN PROGRESS
INVOLVING WORKING INTEREST
OWNERSHIP ONLY

EXHIBIT "B"
SCHEDULE SHOWING ALL LANDS AND LEASES
WITHIN THE VACUUM GLOBIETA WEST UNIT AREA
LEA COUNTY, NEW MEXICO

STATE LANDS

TRACT NO. AND TRACT NAME	DESCRIPTION OF LAND	ACRES	SERIAL NO. AND EFFECTIVE DATE	BASIC ROYALTY OWNER AND PERCENTAGE	LESSEE OF RECORD AND PERCENTAGE	OVERRIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER AND PERCENTAGE	BENEFICIARY
16 STATE "H"8"	NE/4 SW/4 SECTION 36, T17S-R34E	40.00	B-2146-6 HBP 09-19-33	COMMISSIONER OF PUBLIC LANDS NM	AMERADA HESS CORPORATION		AMERADA HESS CORPORATION	C.S.
17 STATE "H"1"	NW/4 SW/4 SECTION 36, T17S-R34E	40.00	B-2146-07 HBP 09-19-33	COMMISSIONER OF PUBLIC LANDS NM	MOBIL PRODUCING TEXAS & NEW MEXICO INC.		MOBIL PRODUCING TEXAS & NEW MEXICO INC.	C.S.
18 M. E. HALE	N/2 SE/4, SE/4 SECTION 35, T17S-R34E	120.00	B-2317-1-A HBP 12-18-33	COMMISSIONER OF PUBLIC LANDS NM	PHILLIPS PETROLEUM COMPANY	CRESENT P. HALE FOUNDATION	PHILLIPS PETROLEUM COMPANY	M.L. Inst.
19 MCALLISTER STATE	SW/4 SECTION 25, T17S-R34E	160.00	B-2706 HBP 05-28-34	COMMISSIONER OF PUBLIC LANDS NM	MARATHON OIL COMPANY		MARATHON OIL COMPANY	M.L. Inst.
20 STATE H-35	NE/4 SECTION 35, T17S-R34E	160.00	B-3196 HBP 08-10-34	COMMISSIONER OF PUBLIC LANDS NM	CONOCO INC.		CONOCO INC.	M.L. Inst.

20 STATE TRACTS - 2738.86 ACRES OR 98.56% OF UNIT AREA

EXHIBIT "B"
SCHEDULED SHOWING ALL LANDS AND LEASES
WITHIN THE VACUUM GLORIETA WEST UNIT AREA
LEA COUNTY, NEW MEXICO

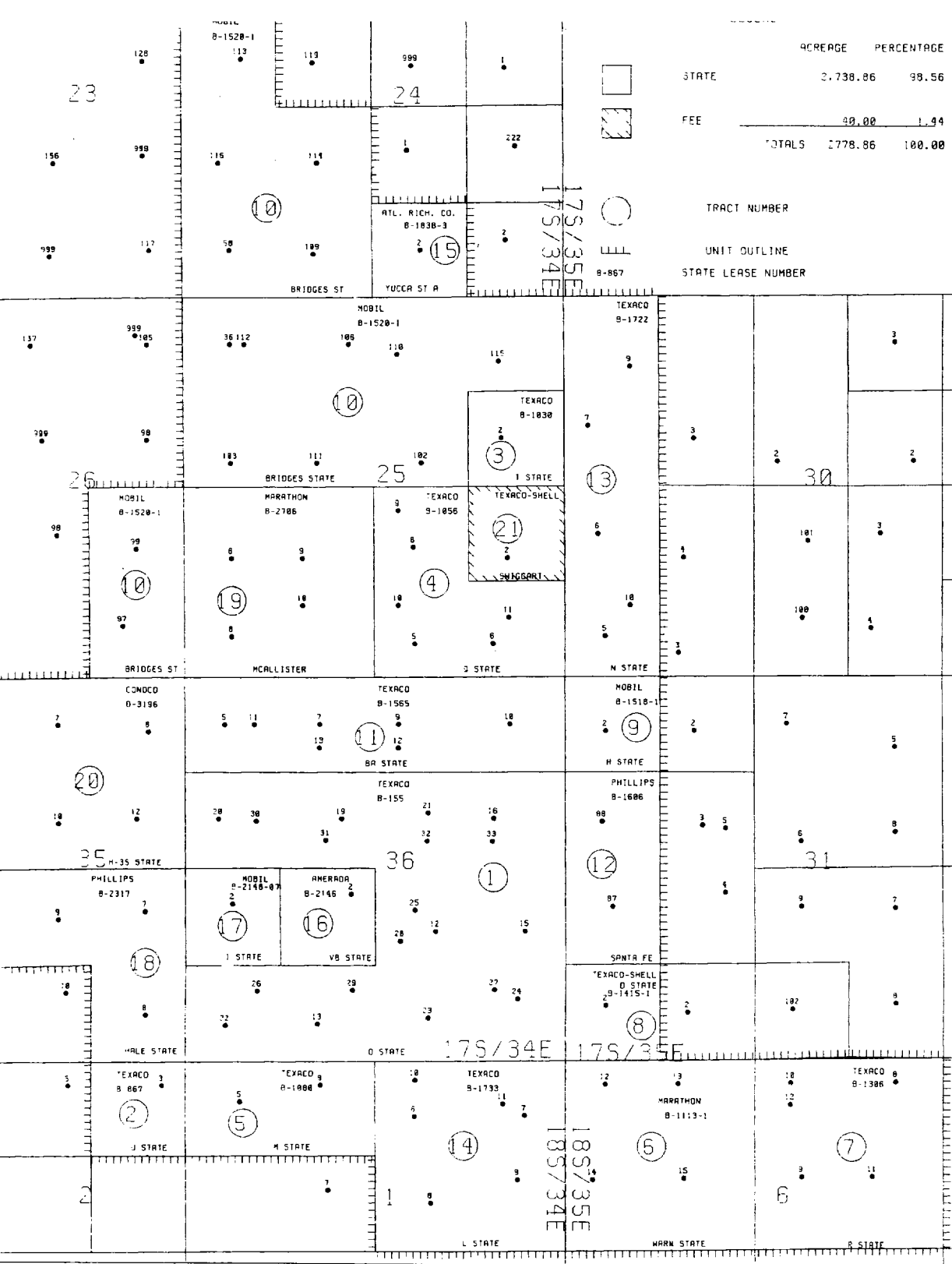
FEE LANDS

TRACT NO. AND TRACT NAME	DESCRIPTION OF LAND	ACRES	LEASE STATUS	BASIC ROYALTY OWNER AND PERCENTAGE	OVERLIDING ROYALTY OWNER AND PERCENTAGE	WORKING INTEREST OWNER AND PERCENTAGE	BENEFICIARY
21 L. A. SWIGART	NE/4, SE/4 SECTION 25, 117S-R34E	40.00	HBP	STEPHANIE ALDENIR .0069444 SARA C. BURNS .0312500 CHRISTINE CAMPOS .0069444 NORMAN GROSS & .0312500 MARJORIE G. GROSS KATHLEEN ROBBINS .0208334 RONALD ROBBINS .0069444 EARL J. WATERS .0208334		TEXACO EXPLORATION 100.00 AND PRODUCTION INC.	fee lands

1 FEE TRACT - 40 ACRES OR 1.44% OF UNIT AREA

RECAPITULATION

FEDERAL LANDS:	-0-
STATE LANDS:	2778.86 ACRES OR 98.56%
FEE LANDS:	40.00 ACRES OR 1.44%
	<u>2778.86 ACRES</u> 100.00%



ACREAGE PERCENTAGE

STATE 2.738.86 99.56

FEE 40.00 1.44

TOTALS 2778.86 100.00

TRACT NUMBER

UNIT OUTLINE

STATE LEASE NUMBER

TEXACO MIDLAND PRODUCING
MIDLAND TEXAS U.S.A.

VACUUM GLORIETA WEST UNIT
LEA COUNTY, NEW MEXICO
EXHIBIT 27

SCALE 1"=1639'

DRAWN BY M. MULLINS/R. COON DATE 16-JAN-92



JIM BACA
COMMISSIONER

State of New Mexico
OFFICE OF THE
Commissioner of Public Lands
Santa Fe

P.O. BOX 1148
SANTA FE, NEW MEXICO 87504-1148

June 12, 1992

Texaco, USA
P. O. Box 3109
Midland, Texas 79702

Attn: Mr. Mike Mullins

Re: Preliminary Approval Request
Proposed Vacuum Glorieta West Unit
Lea County, New Mexico

Dear Mr. Mullins:

This office has reviewed the unexecuted copy of unit agreement, which you have submitted for the proposed Vacuum Glorieta West Unit Area, Lea County, New Mexico. This agreement meets the general requirements of the Commissioner of Public Lands and has this date granted you preliminary approval as to form and content.

Our preliminary approval is given subject to a stipulation to be made a part of our final approval requiring that the Operator shall, within three years following the effective date of the Vacuum Glorieta West Unit, submit for the Commissioner's review the fresh water requirements for this unit.

Preliminary approval shall not be construed to mean final approval of this agreement in any way and will not extend any short term leases, until final approval and an effective date have been given.

When submitting your agreement for final approval, please submit the following:

1. Application for final approval by the Commissioner setting forth the tracts that have been committed and the tracts that have not been committed.
2. All ratifications from the Lessees of Record and Working Interest Owners. All signatures should be acknowledged by a notary and one set must contain original signatures.
3. Order of the New Mexico Oil Conservation Division. Our approval will be conditioned upon subsequent favorable approval by the New Mexico Oil Conservation Division.

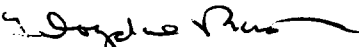
Texaco, USA
June 12, 1992
Page 2

4. A copy of the Unit Operating Agreement.
5. A copy of your Initial Plan of Operation.
6. Supporting documentation for your letter of June 2, 1992 relating to the use of fresh water as an injectant for this project.
7. Please submit a \$20,000.00 multiple oil and gas lease surface improvement damage bond. An instruction sheet for filing this type of bond is enclosed.

Your filing fee in the amount of three hundred dollars has been received. If you have any questions, or if we can be of further help, please contact Pete Martinez at (505) 827-5791.

Very truly yours,

JIM BACA
COMMISSIONER OF PUBLIC LANDS

BY: 
FLOYD O. PRANDO, Director
Oil/Gas and Minerals Division
(505) 827-5744
JB/FOP/pm
encls.
cc: Reader File
OCD-Santa Fe
William F. Carr

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

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

Case No. 10515
Order No. R-_____

APPLICATION OF TEXACO EXPLORATION AND
PRODUCTION INC. FOR STATUTORY UNITIZATION,
LEA COUNTY, NEW MEXICO.

**TEXACO'S PROPOSED
ORDER OF THE DIVISION**

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on July 23, 1992, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this _____ day of July, 1992, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Texaco Exploration and Production Inc. ("Texaco") seeks the statutory unitization, pursuant to the "Statutory Unitization Act", Sections 70-7-1 through 70-7-21, NMSA, (1978), of 2778.86 acres, more or less, within the Vacuum Glorieta Pool comprised of the following described acreage in Lea County, New Mexico:

Case No. 10515

Order No. R-_____

Page 2

TOWNSHIP 17 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 24: SW/4; SW/4 NW/4; SW/4 SE/4

Section 25: All

Section 26: E/2 SE/4

Section 35: NE/4; N/2 SE/4; SE/4 SE/4

Section 36: All

TOWNSHIP 17 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 30: Lots 1, 2, 3, 4 (W/2 W/2)

Section 31: Lots 1, 2, 3, 4 (W/2 W/2)

TOWNSHIP 18 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 1: Lots 1, 2, 3, 4; S/2 NE/4

Section 2: Lot 1 (NE/4 NE/4)

TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 6: Lots 1, 2, 3, 4, 5; SE/4 NW/4; S/2 NE/4 (N/2)

Applicant further seeks approval of the Unit Agreement and the Unit Operating Agreement for the Vacuum Glorieta West Unit Area.

(3) The proposed unit shall be known as the Vacuum Glorieta West Unit and the Unit Area should be designated the Vacuum Glorieta West Unit Area ("the Unit Area").

(4) The vertical limits of the Unit Area should comprise the interval containing the Glorieta and Paddock formations as found from a depth of 5,838 feet to a depth of 6,235 feet on the type log of the Mobil Bridges State Well No. 95 located in the SE/4 SE/4 (Unit P) of Section 26, Township 17 South, Range 34 East, N.M.P.M., Lea County, New Mexico in the Vacuum Glorieta Pool.

(5) No interested party appeared in opposition to the unitization nor to the vertical limits of the proposed Unit Area.

(6) The Unit Area contains 21 separate tracts owned by 6 different working interest owners.

(7) As of the date of hearing, the owners of over 84% of the working interest (and over 96% of the royalty interest) were effectively committed to the unit or have balloted to join the unit.

(8) Texaco will seek authority to institute an enhanced recovery project, for the recovery of oil and associated gas, condensate, and all associated liquefiable hydrocarbons, within and to be produced from the proposed Unit Area in Case No. 10516.

(9) Enhanced recovery operations by waterflood should result in additional recovery from the Unit Area of approximately 14.5 Million barrels of oil.

(10) The unitized management, operation and further development of the Unit Area, as proposed, is reasonable and necessary to effectively and efficiently carry on enhanced recovery operations and will substantially increase the ultimate recovery of oil and gas from the unitized formation.

(11) The proposed unitized method of operation as applied to the Unit Area is feasible and will result with reasonable probability in the increased recovery of substantially more oil from the unitized portion of the pool than would otherwise be recovered without unitization.

(12) The estimated additional cost of the proposed unitized operations within the Unit Area will not exceed the estimated value of the additional oil and gas plus a reasonable profit.

(13) The applicant, designated operator of the Unit Area pursuant to the Unit Agreement and Unit Operating Agreement, has made a good faith effort to secure voluntary unitization within the Unit Area.

(14) The Phase I and Phase II participation formulas contained in the Unitization Agreement, allocate the produced and saved unitized substances to the separately owned tracts in the Unit Area, on a fair, reasonable and equitable basis.

(15) Unitization and the adoption of the proposed unitized methods of operation will benefit the working interest owners and the royalty interest owners of the oil and gas rights within the Unit Area.

(16) The Vacuum Glorieta West Unit Agreement and Unit Operating Agreement, as applied to the Unit Area, provide for unitization and unit operation of the Unit Area upon terms and conditions that are fair, reasonable and equitable and which include:

- (a) An allocation to the separately owned tracts in the Unit Area of all oil and gas that is produced from the Unit Area and which is saved, being the production that is not used in the conduct of unit operations or not unavoidably lost;
- (b) A provision for the credits and charges to be made and the adjustment among the owners in the Unit Area for their respective investments in wells, tanks, pumps, machinery, materials and equipment contributed to the unit operations;
- (c) A provision governing how the costs of unit operations, including capital investments, shall be determined and charged to the separately owned tracts and how said costs shall be paid, including a provision providing when, how, and by whom the unit production allocated to an owner who does not pay his share of the costs of unit operations shall be charged to such owners, of the interest of such owners, and how his interest may be sold and the proceeds applied to the payment of his costs;
- (d) A provision designating the unit operator and providing for the supervision and conduct of the unit operations, including the selection, removal or substitution of an operator from among the working interest owners to conduct the unit operations;

- (e) A provision for a voting procedure for the decision of matters to be decided by the working interest owners in respect to which each working interest owner shall have a voting interest equal to his unit participation; and
- (f) The time when the unit operations shall commence and the manner in which, and the circumstances under which, the unit operations shall terminate and for the settlement of accounts upon such termination.

(17) The statutory unitization of the Vacuum Glorieta West Unit Area is in conformity with the above findings, and will prevent waste and will protect the correlative rights of all owners of interest within the proposed Unit Area, and should be approved.

IT IS THEREFORE ORDERED THAT:

(1) The Vacuum Glorieta West Unit Area comprising 2778.86 acres, more or less, in the Vacuum Glorieta Pool, Lea County, New Mexico, is hereby approved for statutory unitization pursuant to the Statutory Unitization Act, Sections 70-7-1 through 70-7-21, NMSA, (1978).

(2) The lands included within the Vacuum Glorieta West Unit Area shall comprise:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 24: SW/4; SW/4 NW/4; SW/4 SE/4
Section 25: All
Section 26: E/2 SE/4
Section 35: NE/4; N/2 SE/4; SE/4 SE/4
Section 36: All

TOWNSHIP 17 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 30: Lots 1, 2, 3, 4 (W/2 W/2)
Section 31: Lots 1, 2, 3, 4 (W/2 W/2)

Case No. 10515

Order No. R-_____

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TOWNSHIP 18 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 1: Lots 1, 2, 3, 4; S/2 NE/4

Section 2: Lot 1 (NE/4 NE/4)

TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 6: Lots 1, 2, 3, 4, 5; SE/4 NW/4; S/2 NE/4 (N/2)

(3) The vertical limits of the Vacuum Glorieta West Unit Area shall comprise the interval containing the Glorieta and Paddock formations as found from a depth of 5,838 feet to a depth of 6,235 feet on the type log of the Mobil Bridges State Well No. 95 located in the SE/4 SE/4 of Section 26, Township 17 South, Range 34 East, N.M.P.M., Lea County, New Mexico in the Vacuum Glorieta Pool.

(4) The applicant shall not institute a waterflood project for the secondary recovery of oil, gas and all associated liquefiable hydrocarbons within and produced from the Unit Area, until the enhanced recovery project, which is currently the subject of Case No. 10516, has been approved by the Division.

(5) The Unit Agreement and the Unit Operating Agreement for the Vacuum Glorieta West Unit, presented as evidence in this case, are hereby incorporated by reference into this Order.

(6) The Unit Agreement and the Unit Operating Agreement for the Vacuum Glorieta West Unit provide for unitization and unit operation of the Unit Area upon terms and conditions that are fair, reasonable and equitable and include:

- (a) An allocation to the separately owned tracts in the Unit Area of all oil and gas that is produced from the Unit Area and which is saved, being the production that is not used in the conduct of unit operations or not unavoidably lost;

- (b) A provision for the credits and charges to be made and the adjustment among the owners in the Unit Area for their respective investments in wells, tanks, pumps, machinery, materials and equipment contributed to the unit operations;
- (c) A provision governing how the costs of unit operations, including capital investments, shall be determined and charged to the separately owned tracts and how said costs shall be paid, including a provision providing when, how, and by whom the unit production allocated to an owner who does not pay his share of the costs of unit operations shall be charged to such owners, of the interest of such owners, and how his interest may be sold and the proceeds applied to the payment of his costs;
- (d) A provision designating the unit operator and providing for the supervision and conduct of the unit operations, including the selection, removal or substitution of an operator from among the working interest owners to conduct the unit operations;
- (e) A provision for a voting procedure for the decision of matters to be decided by the working interest owners in respect to which each working interest owner shall have a voting interest equal to his unit participation; and
- (f) The time when the unit operations shall commence and the manner in which, and the circumstances under which, the unit operations shall terminate and for the settlement of accounts upon such termination.

Case No. 10515

Order No. R-_____

Page 8

(7) This Order shall not become effective unless and until seventy-five (75) percent of the working interest owners and seventy-five (75) percent of the royalty interest owners in the Unit Area have approved the plan for unit operations as required by Section 70-7-8 NMSA, (1978) Comp.

(8) If the persons owning the required percentage of interest in the Unit Area as set out in Section 70-7-8 NMSA, (1978) Comp., do not approve the plan for unit operations within a period of six (6) months from the date of entry of this Order, this Order shall cease to be of further force and effect and shall be revoked by the Division, unless the Division shall extend the time for ratification for good cause shown.

(9) When the persons owning the required percentage of interest in the Unit Area have approved the plan for unit operations, the interests of all persons in the Unit Area are unitized whether or not such persons have approved the plan of unitization in writing.

(10) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

**STATE OF NEW MEXICO
OIL CONSERVATION DIVISION**

WILLIAM J. LeMAY
Director

S E A L



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 3, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Administrative Amendment to
Division Order No. R-9714**

Dear Mr. Basham:

Reference is made to your letter dated January 13, 1993 requesting exceptions, pursuant to Division General Rule 104.F(1), to twelve certain injection well locations, all previously approved by Division Order No. R-9714, ~~issued in~~ **Case No. 10516** and dated September 3, 1992. All wells are in the Vacuum-Glorieta Pool, Vacuum-Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico, by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations for nine of these wells to avoid buried pipelines, two to avoid electric lines and one to avoid an existing wellbore. All of these existing conditions were apparently not known to Texaco's personnel at the time said Case No. 10516 was brought before the Division.

During our initial review of this application it was necessary to acquire additional information for one well and deny another. To expedite this matter, ten locations will be approved at this time.

By the authority granted me under the provisions of General Rule 104.F, the following ten unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

Administrative Amendment to Division Order No. R-9714
Texaco Exploration and Production Company
February 3, 1993
Page 2

Lease Name	Corrected Footage Location	U-L-S-T-R	VGWU Well No.
State H-35	328' FNL - 1214' FEL	A-35-17S-34E	50
State H-35	1340' FNL - 1090' FEL	H-35-17S-34E	63
State H-35	2569' FSL - 1226' FEL	I-35-17S-34E	77
M. E. Hale	1459' FSL - 1048' FEL	I-35-17S-34E	91
NM "O" State NCT-1	453' FSL - 1340' FWL	N-36-17S-34E	105
NM "O" State NCT-1	213' FSL - 351' FEL	P-36-17S-34E	108
NM "L" State	964' FNL - 90' FEL	A-1-18S-34E	121
Warn State "AC-2"	845' FNL - 1061' FWL	D-6-18S-35E	122
Warn State "AC-2"	1005' FNL - 2244' FWL	C-6-18S-35E	123
NM "R" State NCT-1	1020' FNL - 1519' FEL	B-6-18S-36E	124

All other provisions of said Order No. R-9714 and said Division letter dated January 8, 1993 shall remain in full force and effect until further notice.

Sincerely,

by 

William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10516



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 4, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Application to amend an injection well
location approved by Division Order No.
R-9714. Vacuum-Glorieta West Unit
Well No. 27.**

Dear Mr. Basham:

The proposed amendment for the subject well appears to be somewhat more involved than simply moving to avoid a pipeline. Division Order No. R-9714 approved the No. 27 well to be drilled 1171 feet from the South line and 34 feet from the East line of Section 26, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico. The plat (see copy attached) submitted in your application dated January 13, 1993 shows the original location to be 2359 feet from the South line and 34 feet from the East line; this is a 1188-foot difference.

Please provide me a statement outlining the reason for this discrepancy.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael E. Stogner".

Michael E. Stogner

MES/amg

cc: Oil Conservation Division - Hobbs

EXHIBIT "A"
DIVISION ORDER NO. R-9714
VACUUM GLORIETA WEST UNIT
APPROVED NEWLY DRILLED INJECTION WELLS

<u>LEASE NAME</u>	<u>LOCATION</u>	<u>ULSTR</u>	<u>VGWJ WELL NO.</u>
Bridges State	1360' FSL & 1300' FWL	M-24-17S-34E	4
Bridges State	1209' FSL & 2582' FWL	N-24-17S-34E	5
Bridges State	73' FNL & 1411' FWL	C-25-17S-34E	9
Yucca State	100' FSL & 2628' FWL	O-24-17S-34E	10
Bridges State	246' FNL & 1554' FEL	B-25-17S-34E	11
Bridges State	1328' FNL & 1399' FWL	F-25-17S-34E	17
Bridges State	1651' FNL & 2543' FWL	F-25-17S-34E	18
Bridges State	1502' FNL & 1520' FEL	G-25-17S-34E	19
NM T State NCT-1	1541' FNL & 181' FEL	H-25-17S-34E	20
NM N State	1330' FNL & 1283' FWL	E-30-17S-35E	21
Bridges State	1171' FSL & 34' FEL	F-25-17S-34E	27
McAllister State	2304' FSL & 1127' FWL	L-25-17S-34E	28
McAllister State	2522' FSL & 2283' FWL	K-25-17S-34E	29
NM Q State	2305' FSL & 1391' FEL	J-25-17S-34E	30
Swiggart	2520' FSL & 128' FEL	I-25-17S-34E	31
McAllister State	2387' FSL & 51' FEL	M-25-17S-34E	38
McAllister State	1194' FSL & 1055' FWL	M-25-17S-34E	39
McAllister State	1570' FSL & 2404' FWL	K-25-17S-34E	40
NM Q State	1437' FSL & 1646' FEL	J-25-17S-34E	41
NM N State	1250' FSL & 8 FWL	M-30-17S-35E	42
NM N State	1453' FSL & 1247' FWL	L-30-17S-35E	43
State H-35	112' FNL & 1214' FEL	A-35-17S-34E	50
State H-35	24' FNL & 31' FEL	A-35-17S-34E	51
McAllister State	65' FSL & 1587' FWL	N-25-17S-34E	52
McAllister State	65' FSL & 2350' FWL	N-25-17S-34E	53
NM Q State	7' FSL & 1693' FEL	O-25-17S-34E	54
NM N State	177' FSL & 52' FWL	M-30-17S-35E	55
State H-35	1370' FNL & 1135' FEL	A-35-17S-34E	63
NM O State NCT-1	1484' FNL & 204' FWL	E-36-17S-34E	64
NM O State NCT-1	1472' FNL & 1492' FWL	F-36-17S-34E	65



Texaco USA
Producing Department
Midland Division

ED 4-11-93
11:00 AM

11:00 AM

11:00

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,
106, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, 106, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwh

C. P. Basham

Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

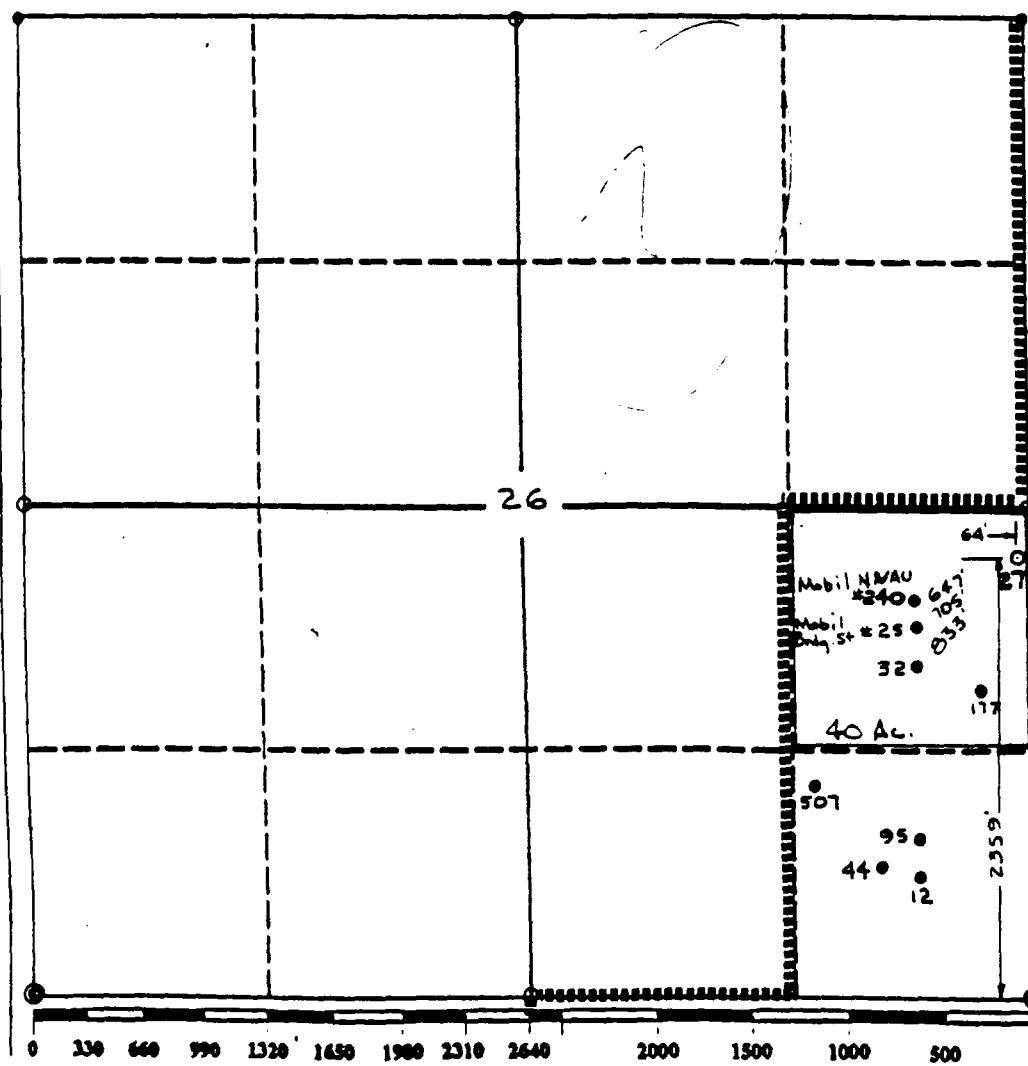
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 27
Unit Letter I	Section 26	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 2359 feet from the South line and 64 feet from the East line					
Ground level Elev. 4012	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hectare marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 18, 1992
Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.
7254 J. S. Piper
Lea Co. FB. 7, Pg. 56

Joe Vacuum Glorieta West Unit Location #2

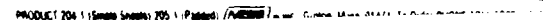
P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO 1 OF 1

CALCULATED BY O. Flores DATE 01/04/93

CHECKED BY D. Kelly DATE 01/04/93

SCALE 1"=50'





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

'93 JAN 2 AM 9:12 OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

1-19-43

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL ✓ _____
NSP _____
SWD _____
WFX _____
PMX _____

Oilman - Santa Fe - Unit #112-111-1
#56-11-35173
#63-11-35173
#77-11-35173
#91-11-35173
#106-11-35173
#108-11-35173
#121-11-35173
#122-11-35173
#123-11-35173
#124-11-35173

Gentlemen:

I have examined the application for the:

Santa Fe Energy Inc

Operator	Lease & Well No.	Unit	S-T-R

and my recommendations are as follows:

OK

Yours very truly,

[Signature]

Derry Sexton
Supervisor, District 1

/ed



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 4, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Application to amend an injection well
location approved by Division Order No.
R-9714. Vacuum-Glorieta West Unit
Well No. 106.**

Dear Mr. Basham:

I am returning the subject application to you at this time. As you know, the rules of the Division (General Rule 104.F.(1)) do not allow for the drilling of wells within 10 feet of section lines, quarter-section lines, quarter-quarter section lines or lot lines.

This application will not be considered under any circumstances until the well location is moved a minimum of ten feet off of the quarter section line separating the SE/4 and SW/4 of Section 36. At that time, the Division will reconsider your request.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", written over a horizontal line.

Michael E. Stogner

MES/amg

cc: Oil Conservation Division - Hobbs



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

RECEIVED - OIL CONSERVATION DIVISION

JAN 15 1993

10 10 33

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,

~~106~~, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, ~~106~~, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 106
Unit Letter O	Section 36	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 310 feet from the South line and 2632 feet from the East line					
Ground level Elev. 3992	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

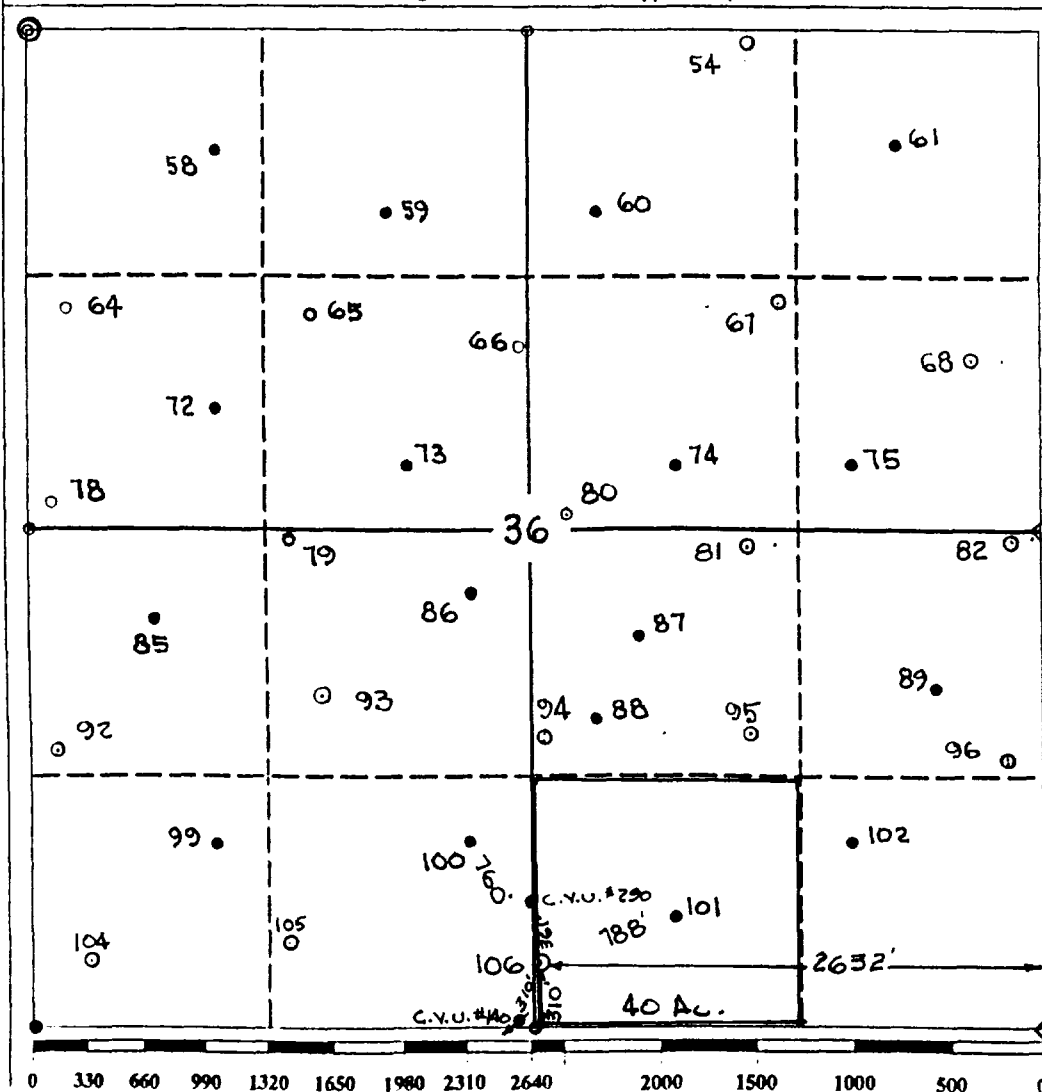
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 18, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

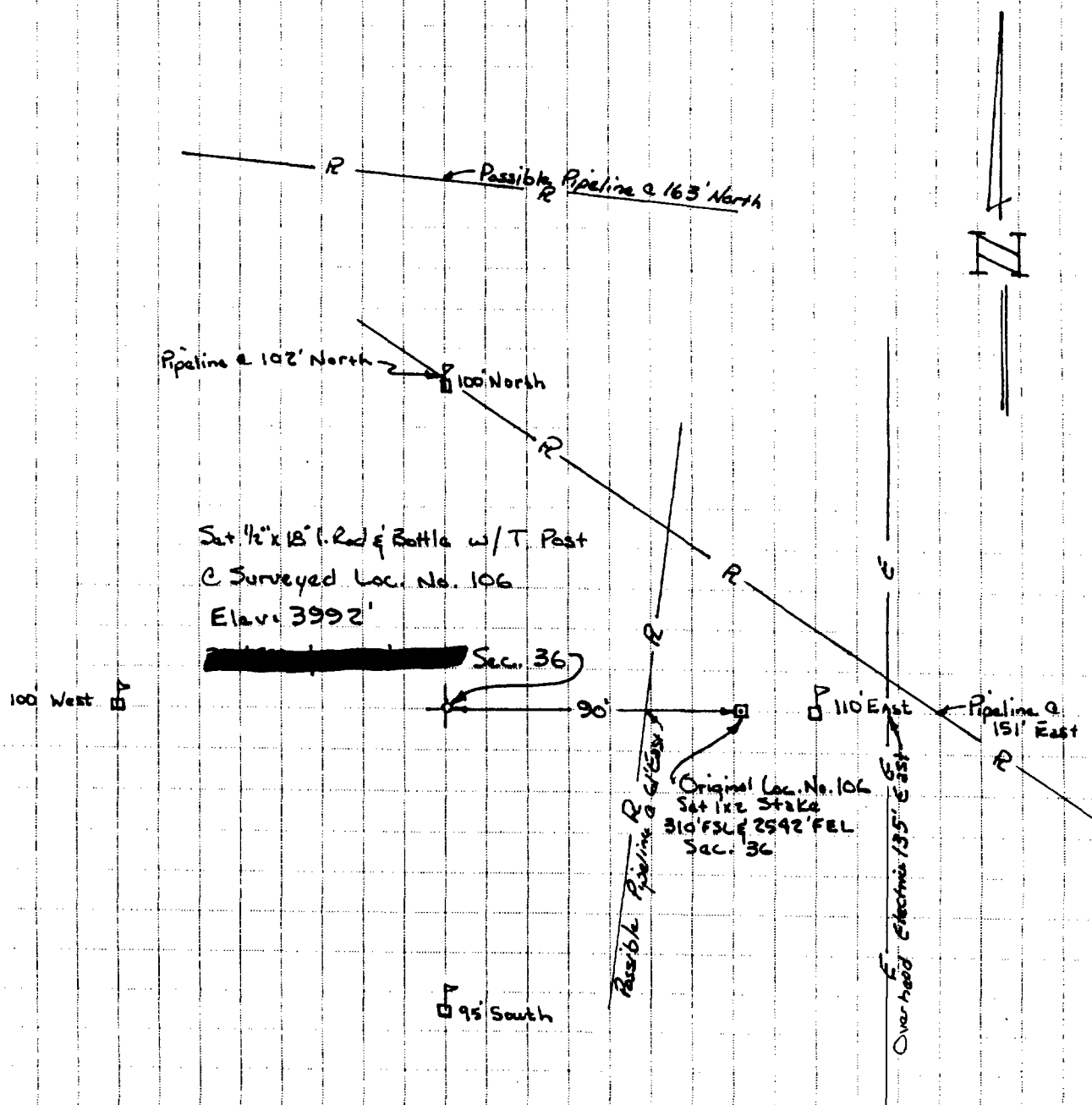
Certificate No.

7254 John S. Piper

JOB

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1
CALCULATED BY Dow E Kelly DATE 01/07/93
CHECKED BY J. Stan Piper DATE 01/07/93
SCALE 1"=50'



John S. Pyno



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

RECEIVED
OIL DIVISION
JAN 14 1993

JAN 14 1993 10 33

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,
106, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, 106, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 27
Unit Letter I	Section 26	Township 17-South	Range 34-East	County NMPM Lea	

Actual Footage Location of Well:

2359 feet from the South line and	64 feet from the East line
Ground level Elev. 4012	Producing Formation Glorieta; Paddock
Pool Vacuum Glorieta Pool	
Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

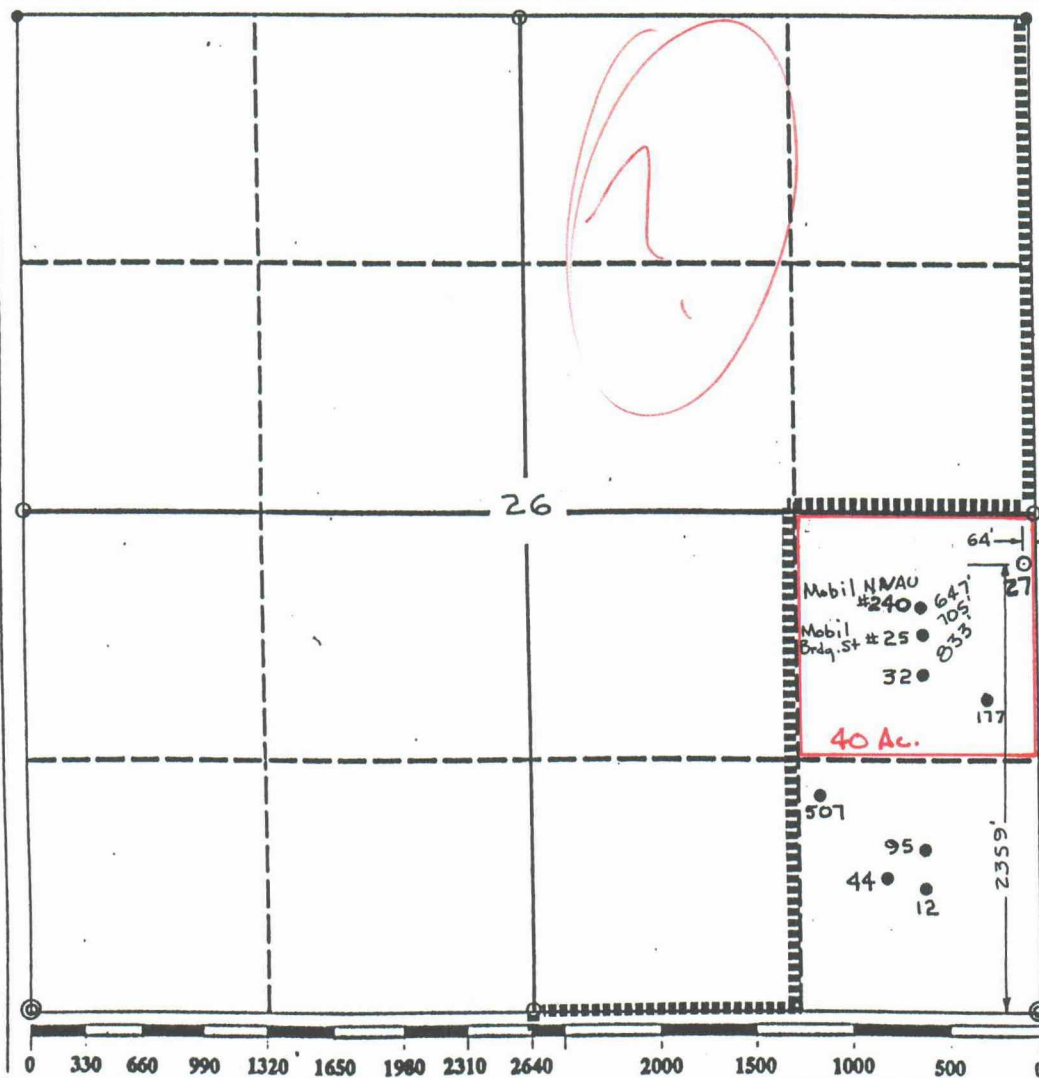
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature <i>Royce D. Marriott</i>
Printed Name Royce D. Marriott
Position Division Surveyor
Company Texaco Expl. & Prod.
Date January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed December 18, 1992
Signature & Seal of Professional Surveyor <i>John S. Piper</i>
Certificate No. 7254 J. S. Piper
Lea Co. FB. 7, Pg. 56

PIPER SURVEYING COMPANY

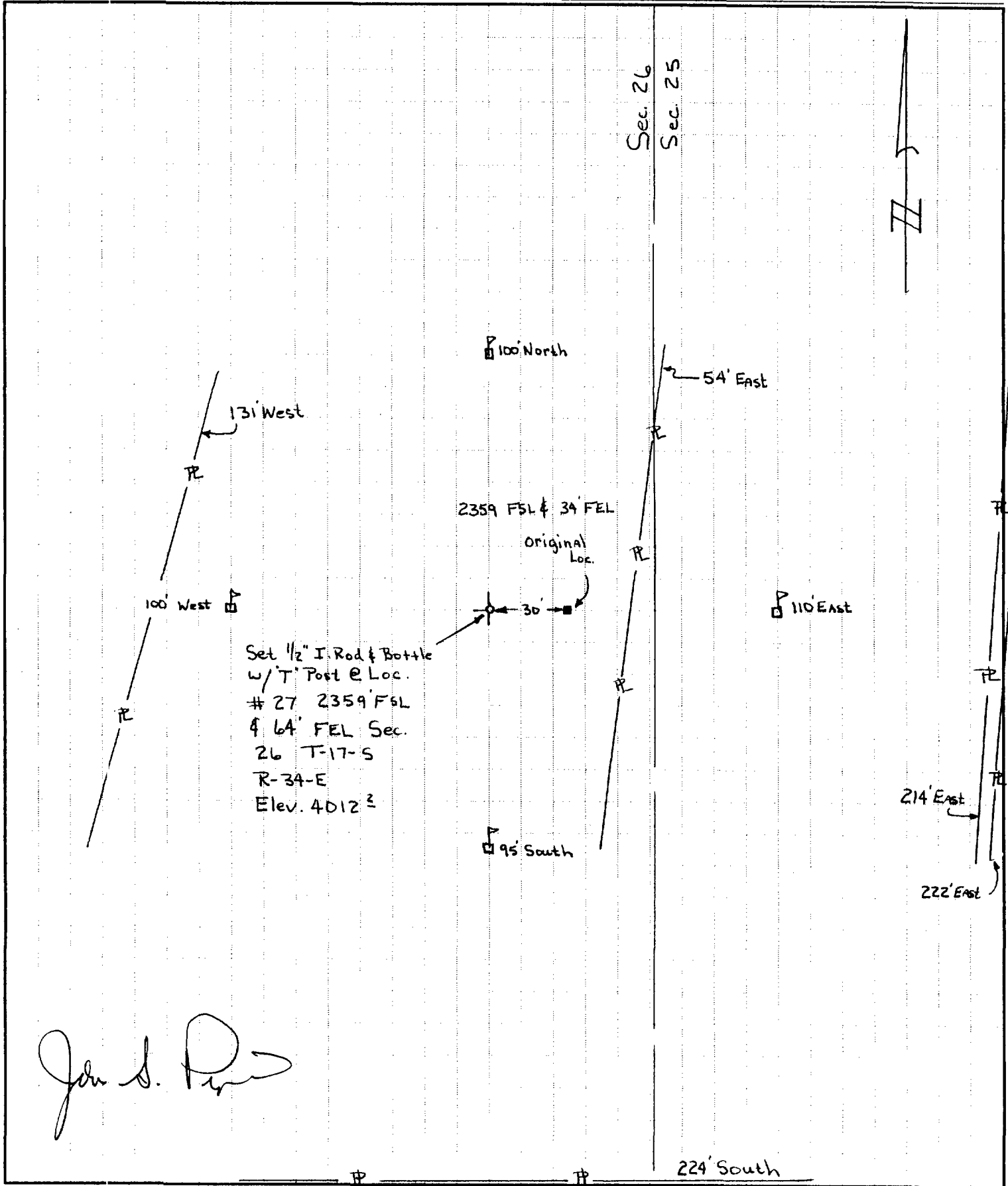
P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1

CALCULATED BY O. Flores DATE 01/04/93

CHECKED BY D. Kelly DATE 01/04/93

SCALE 1"=50'



OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

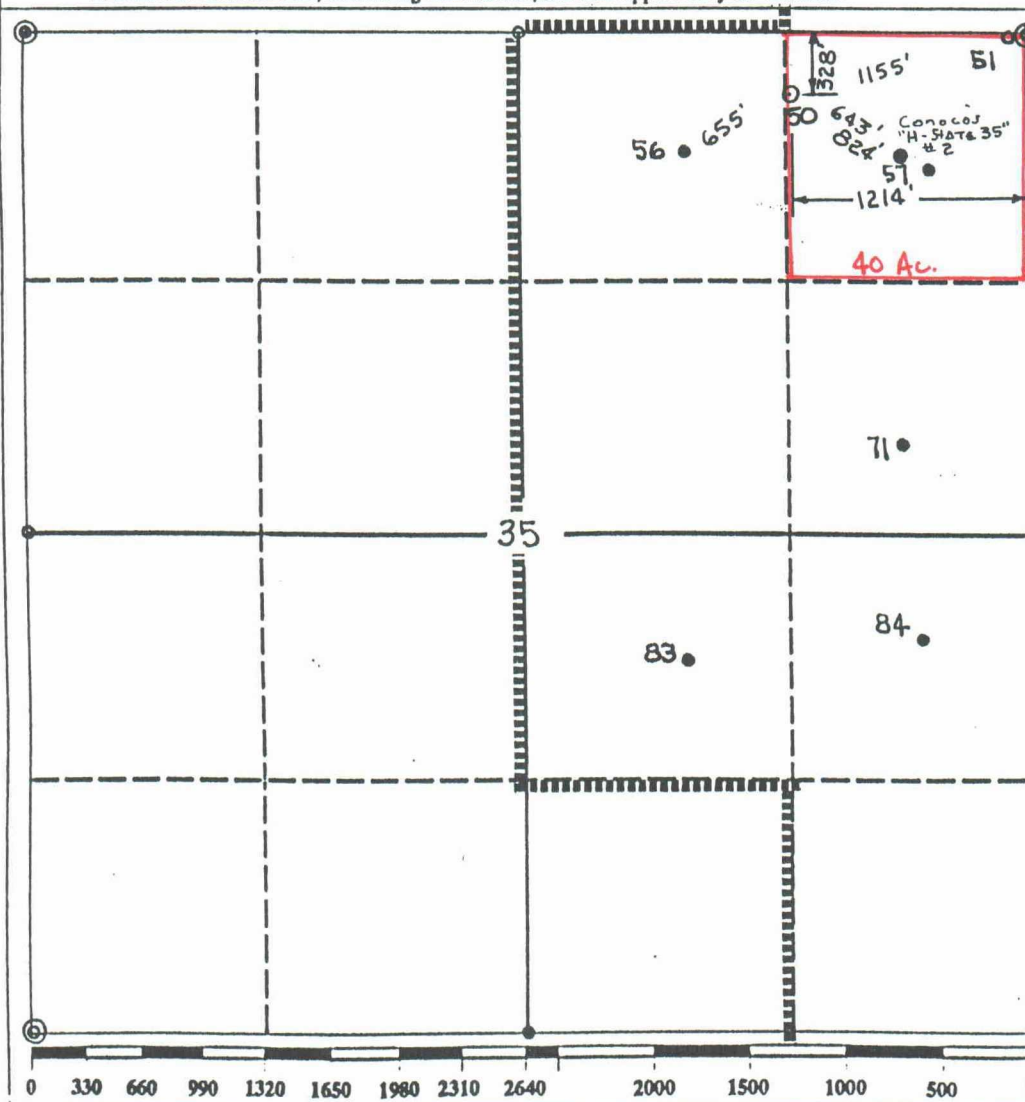
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 50
Unit Letter A	Section 35	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 328 feet from the North line and 1214 feet from the East line					
Ground level Elev. 4011	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 29, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

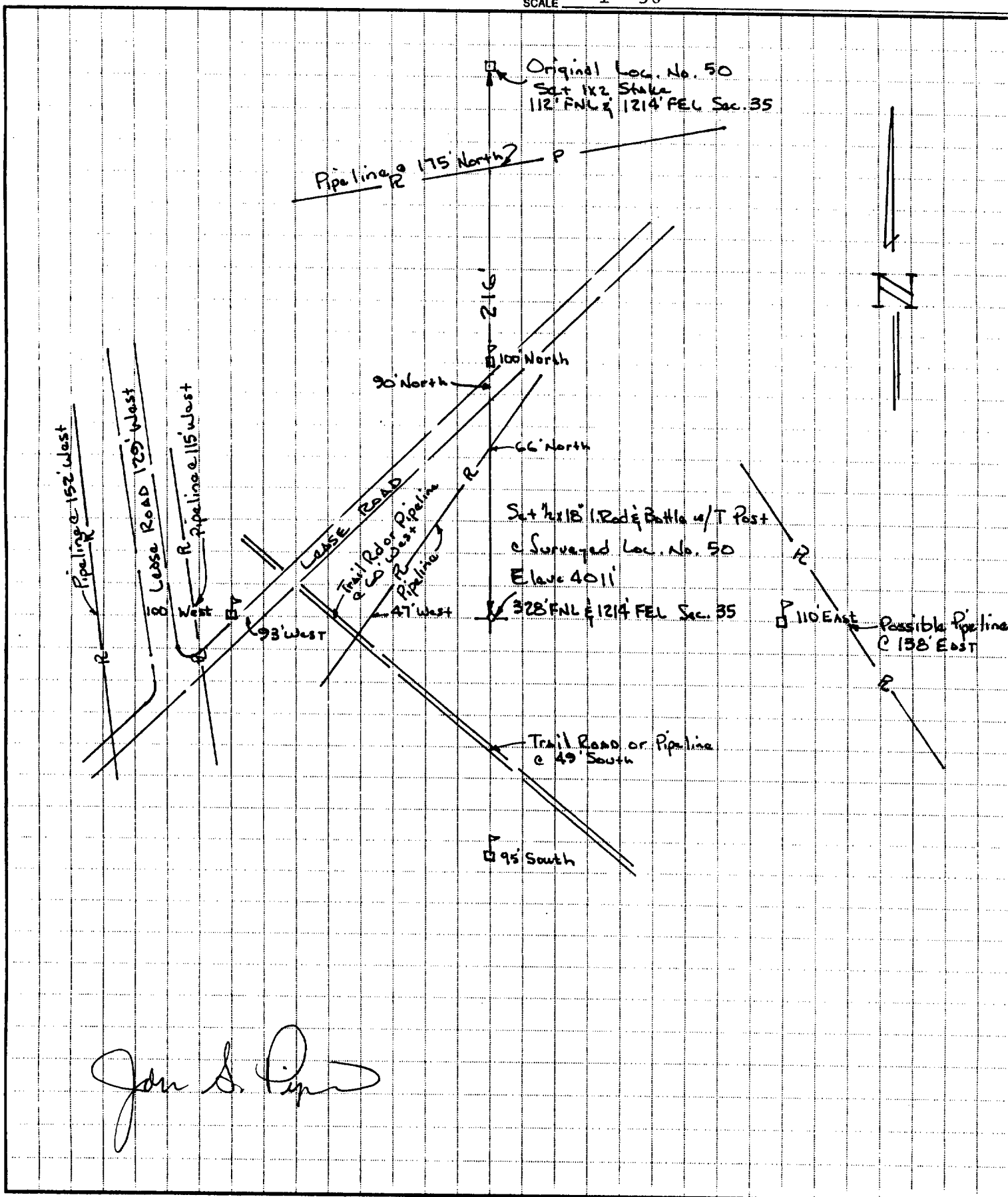
7254 John S. Piper

Lea Co. FB. 6, Pg. 75

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1
CALCULATED BY Dow E Kelly DATE 01/07/93
CHECKED BY J. Stan Piper DATE 01/07/93
SCALE 1"=50'



OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 63
Unit Letter H	Section 35	Township 17-South	Range 34-East	County Lea	

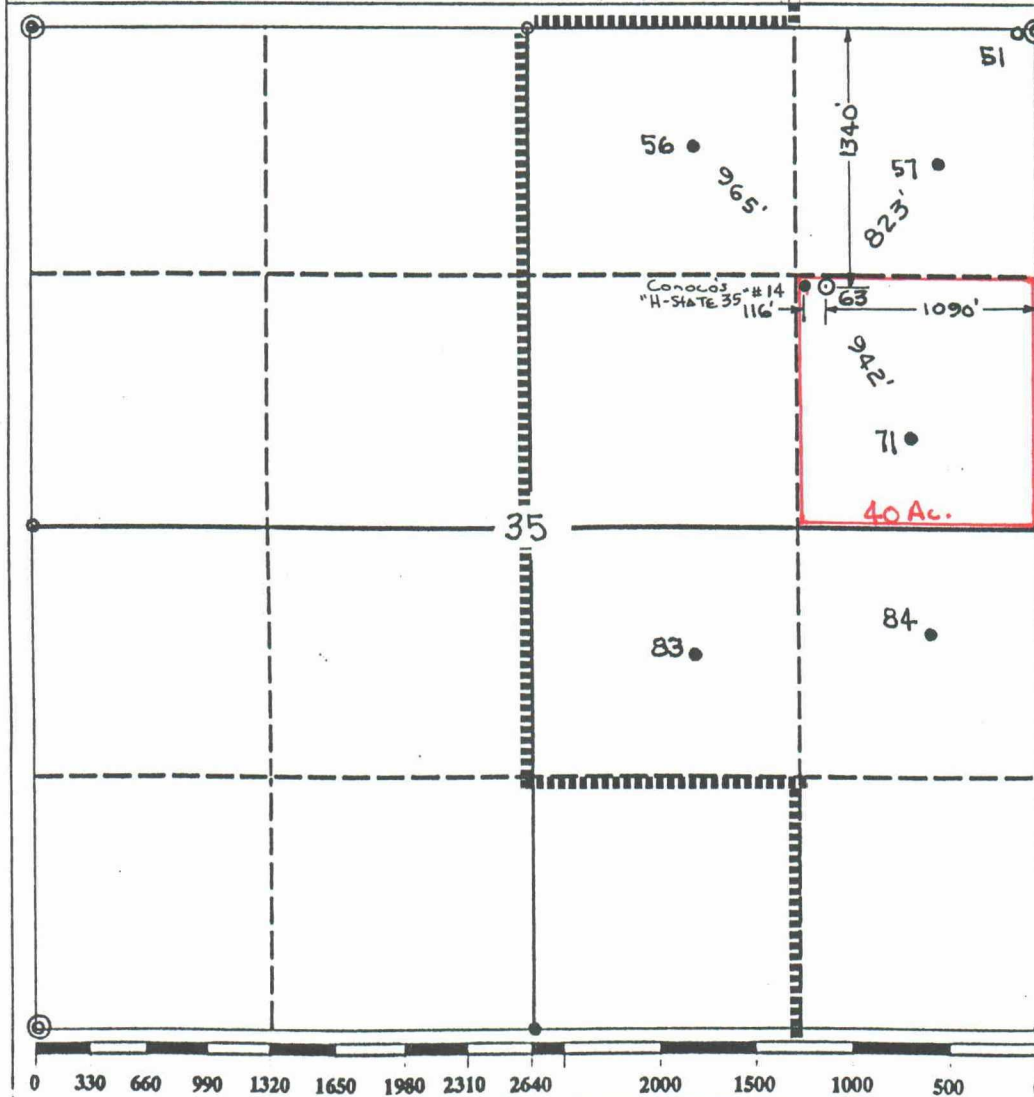
Actual Footage Location of Well:

1340 feet from the North line and		1090 feet from the East line	
Ground level Elev. 4010	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 17, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

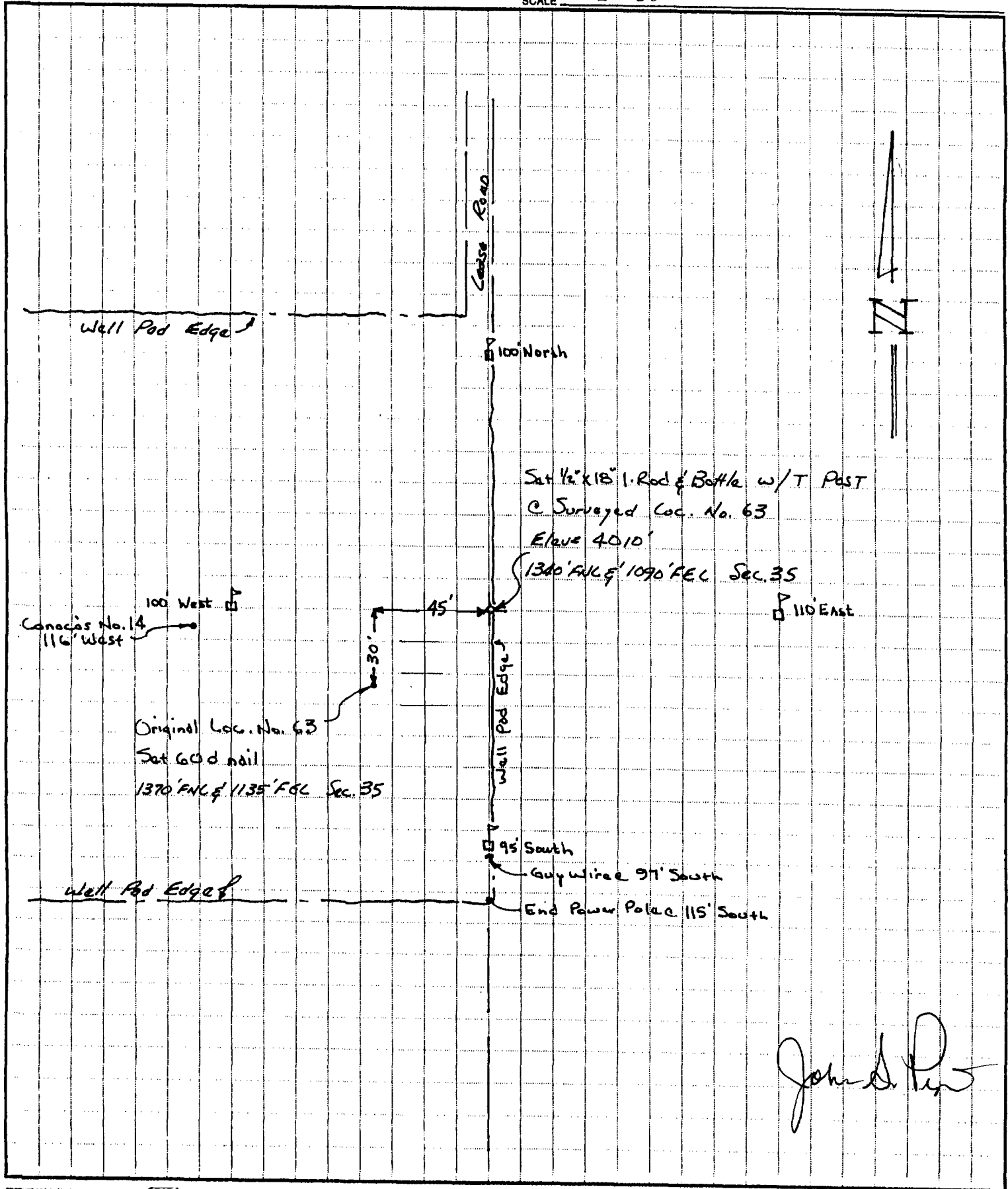
7254 John S. Piper

Lea Co. FB. 6, Pg. 76

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1
CALCULATED BY Dow E Kelly DATE 01/07/93
CHECKED BY J. Stan Piper DATE 01/07/93
SCALE 1"=50'



OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

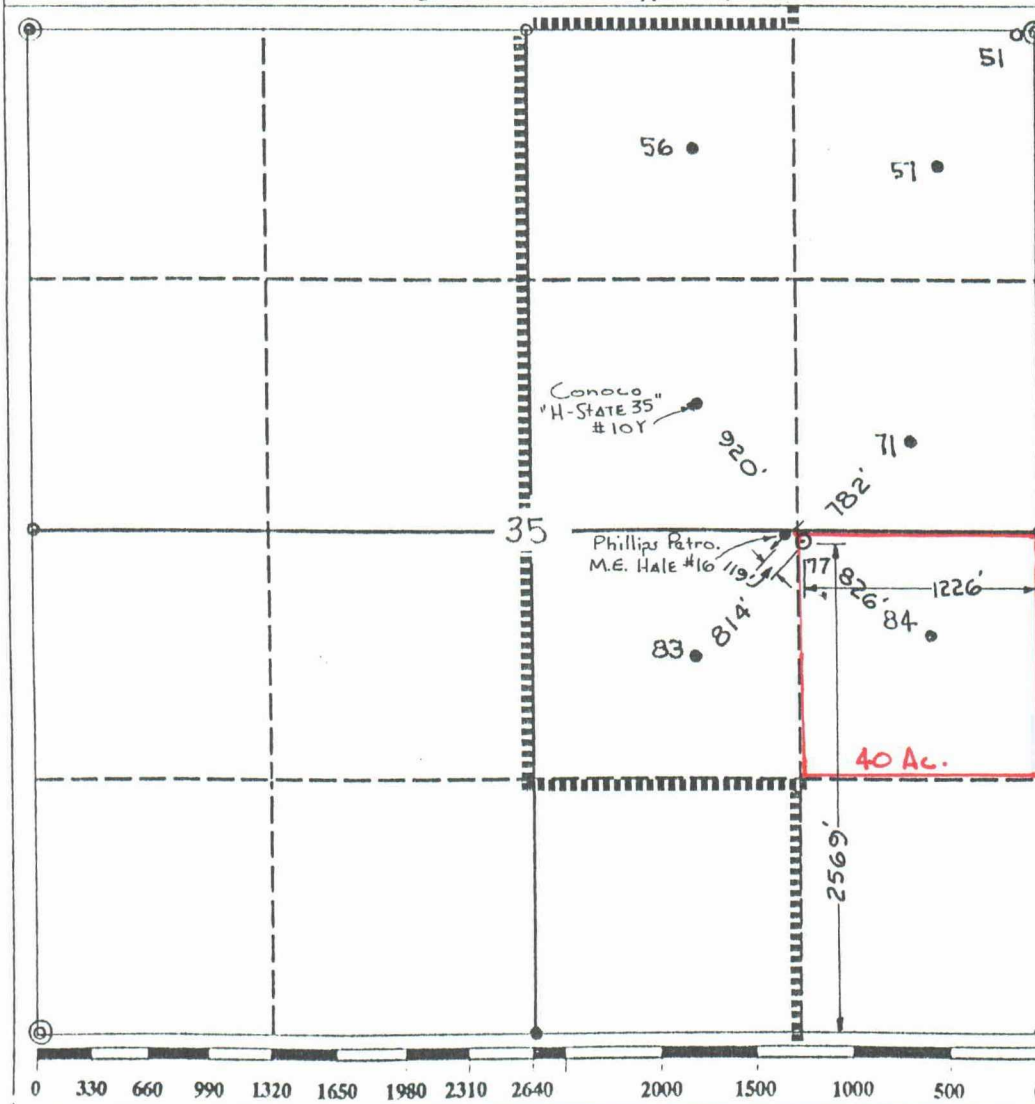
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 77
Unit Letter I	Section 35	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 2569 feet from the South line and 1226 feet from the East line					
Ground level Elev. 4010	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 17, 1992
Signature & Seal of
Professional Surveyor

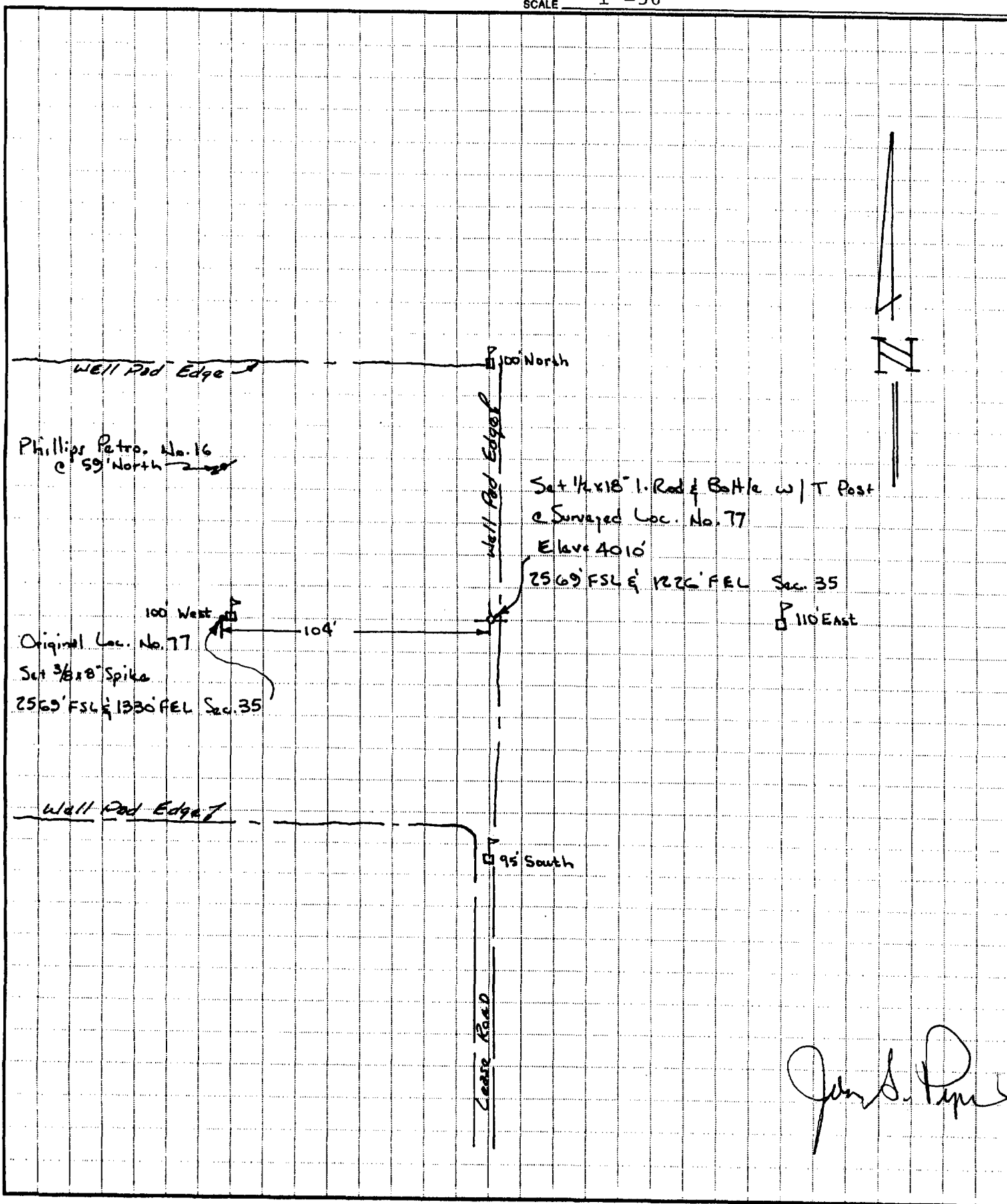
John S. Piper
Certificate No.
7254 John S. Piper

Lea Co. FB. 6, Pg. 77

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1
CALCULATED BY DOW E Kelly DATE 01/07/93
CHECKED BY J. Stan Piper DATE 01/07/93
SCALE 1"=50'



OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

NOTICE OF CHANGE IN LOCATION
LEASE NO.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

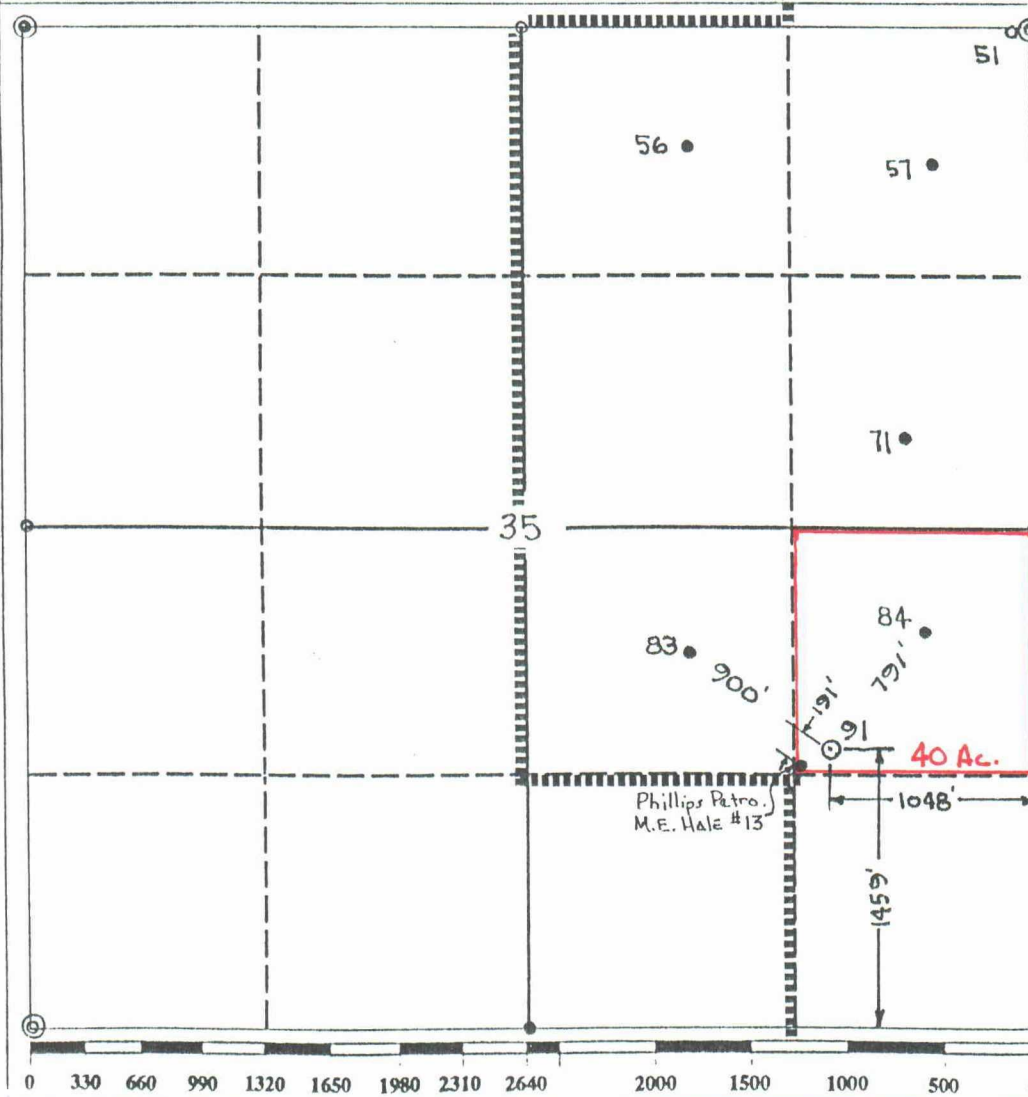
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 91
Unit Letter I	Section 35	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 1459 feet from the South line and 1048 feet from the East line					
Ground level Elev. 4010	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 17, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper
Lea Co. FB. 6, Pg. 78

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

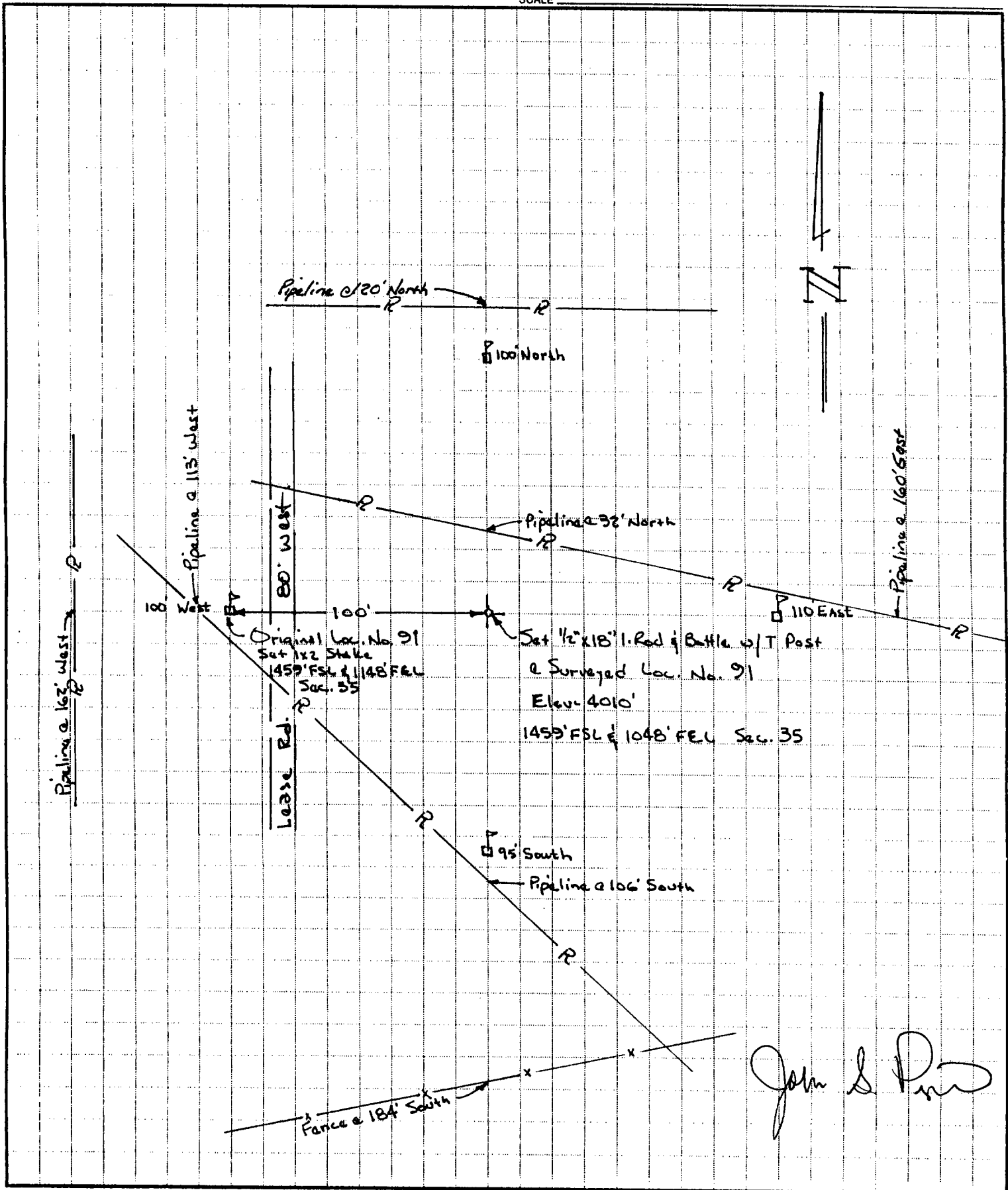
JOB Vacuum Glorieta West Unit Location #91

SHEET NO. 1 OF 1

CALCULATED BY Dow E Kelly DATE 01/07/93

CHECKED BY J. Stan Piper DATE 01/07/93

SCALE 1"=50'



OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

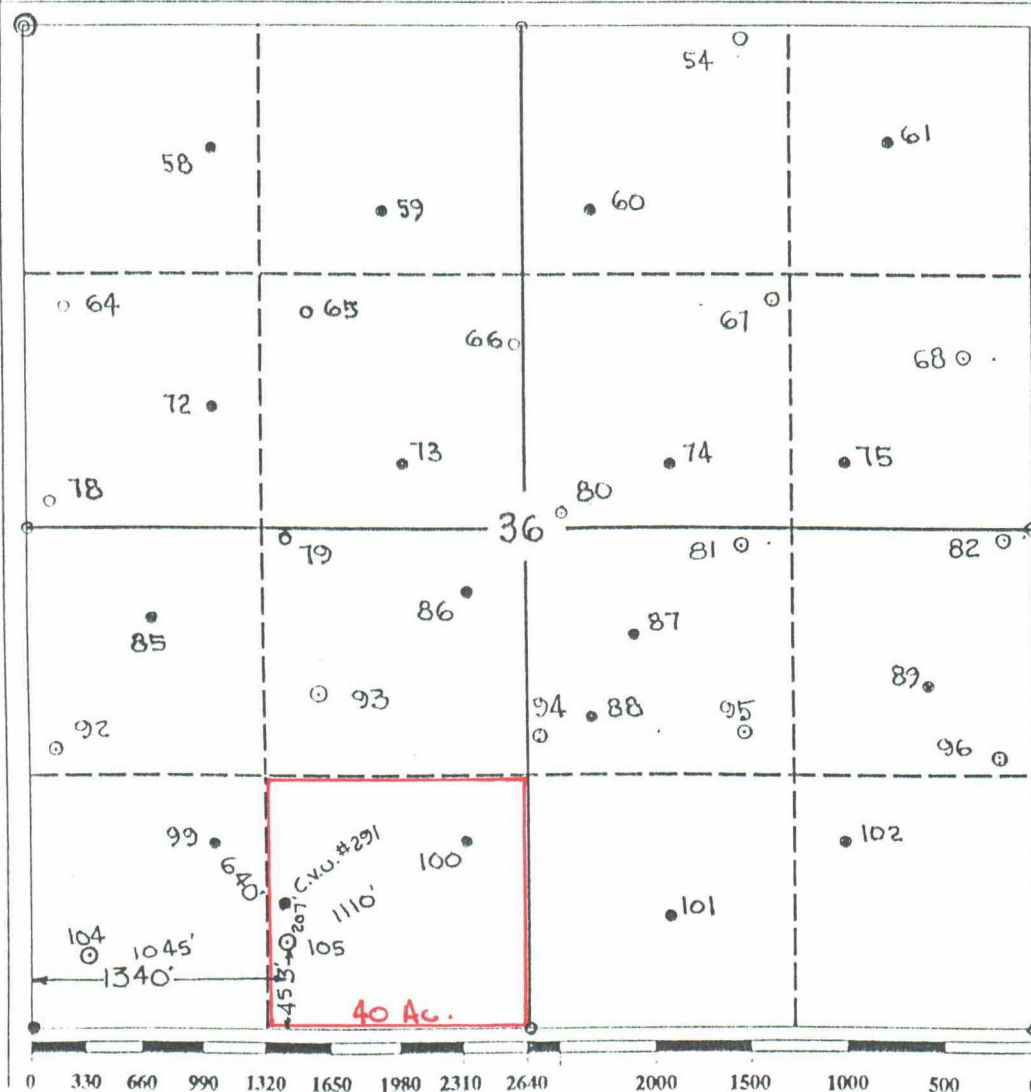
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 105
Unit Letter N	Section 36	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 453 feet from the South line and 1340 feet from the West line					
Ground level Elev. 3999	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 17, 1992
Signature & Seal of
Professional Surveyor
John S. Piper
Certificate No.
7254 John S. Piper
Lea Co. FB. 7, Pg. 47

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

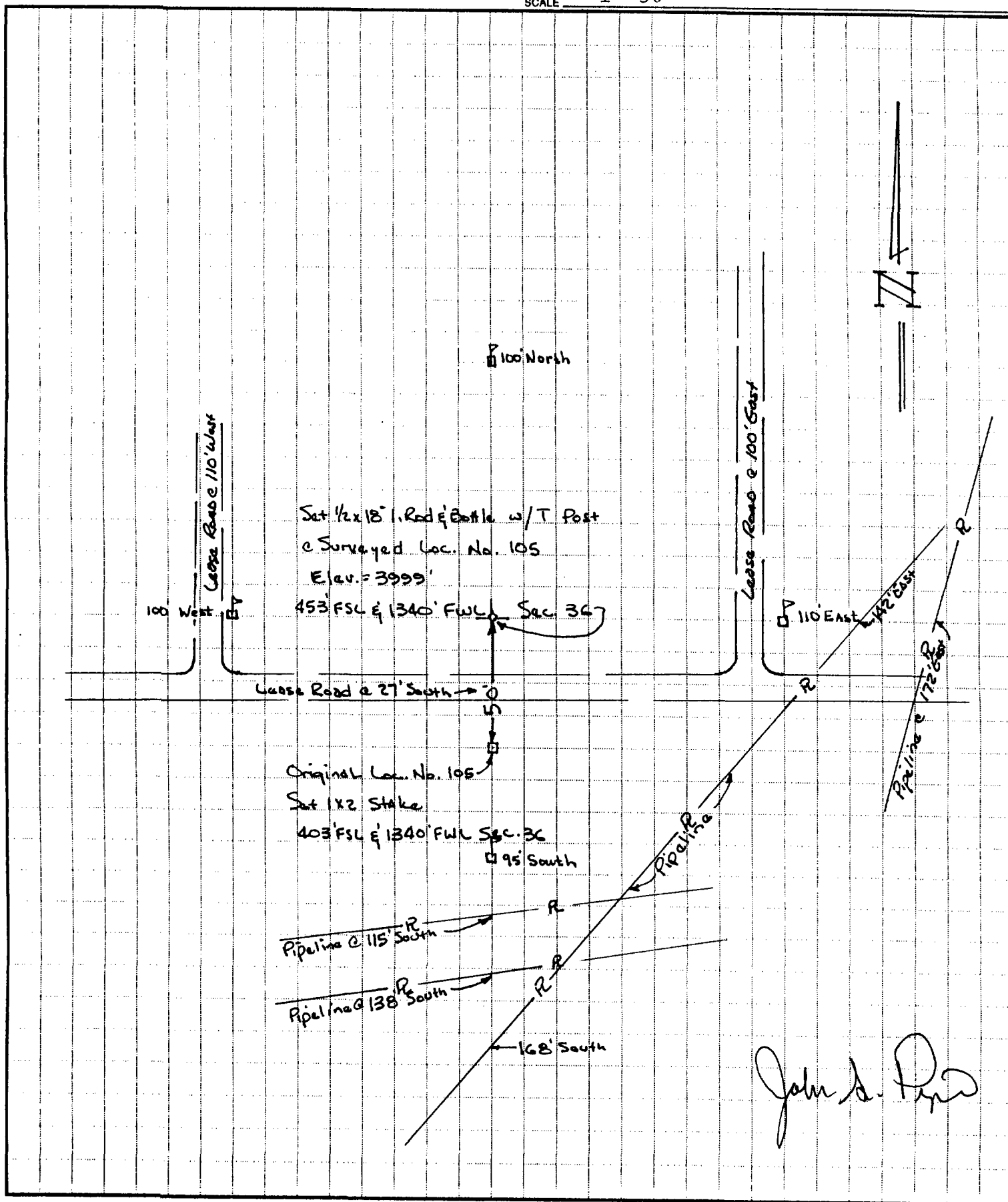
JOB Vacuum Glorieta West Unit Location #105

SHEET NO. 1 OF 1

CALCULATED BY Dow E Kelly DATE 01/07/93

CHECKED BY J. Stan Piper DATE 01/07/93

SCALE 1"=50'



OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 108
Unit Letter P	Section 36	Township 17-South	Range 34-East	County NMPM	Lea

Actual Footage Location of Well:

213 feet from the South line and	351 feet from the East line
Ground level Elev. 3986	Producing Formation Glorieta; Paddock
Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

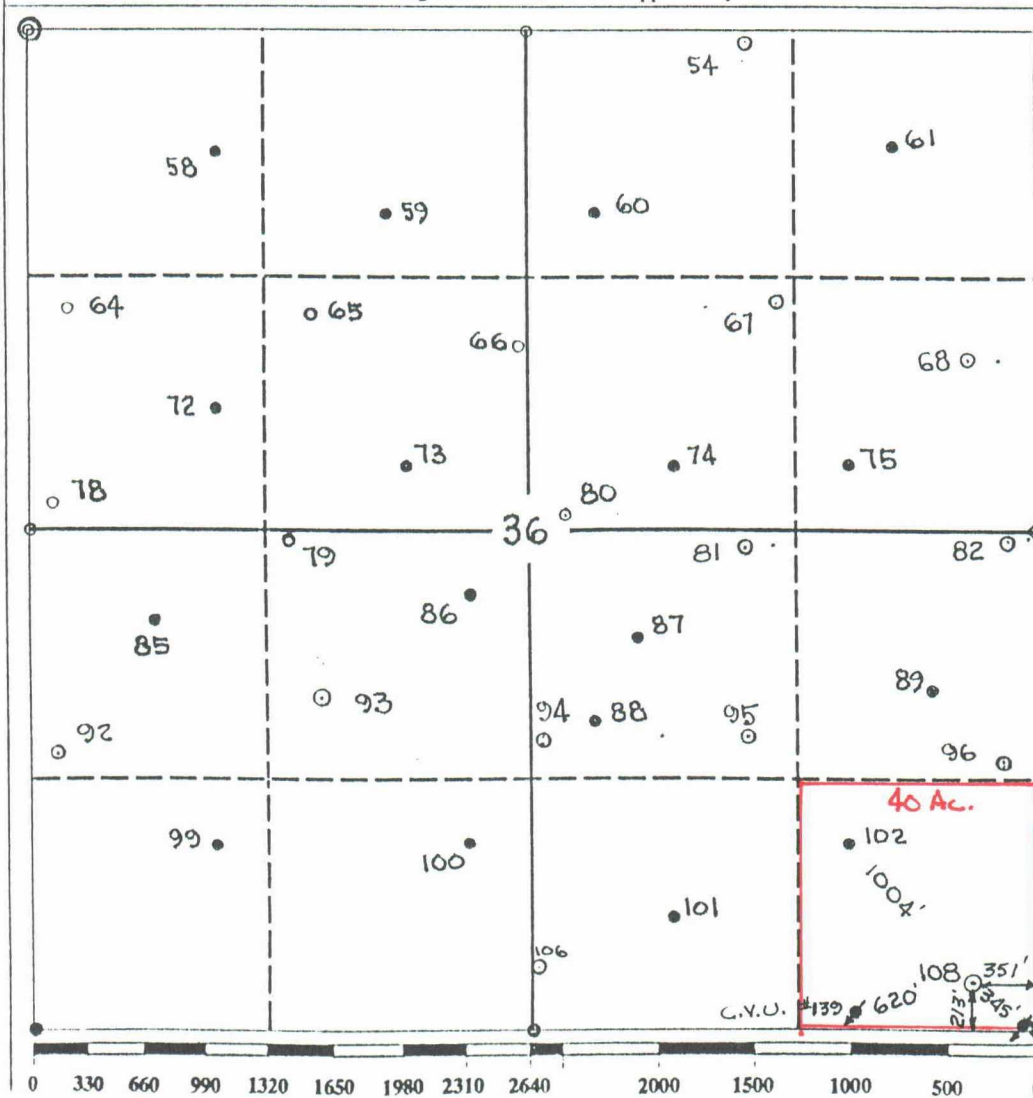
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 18, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

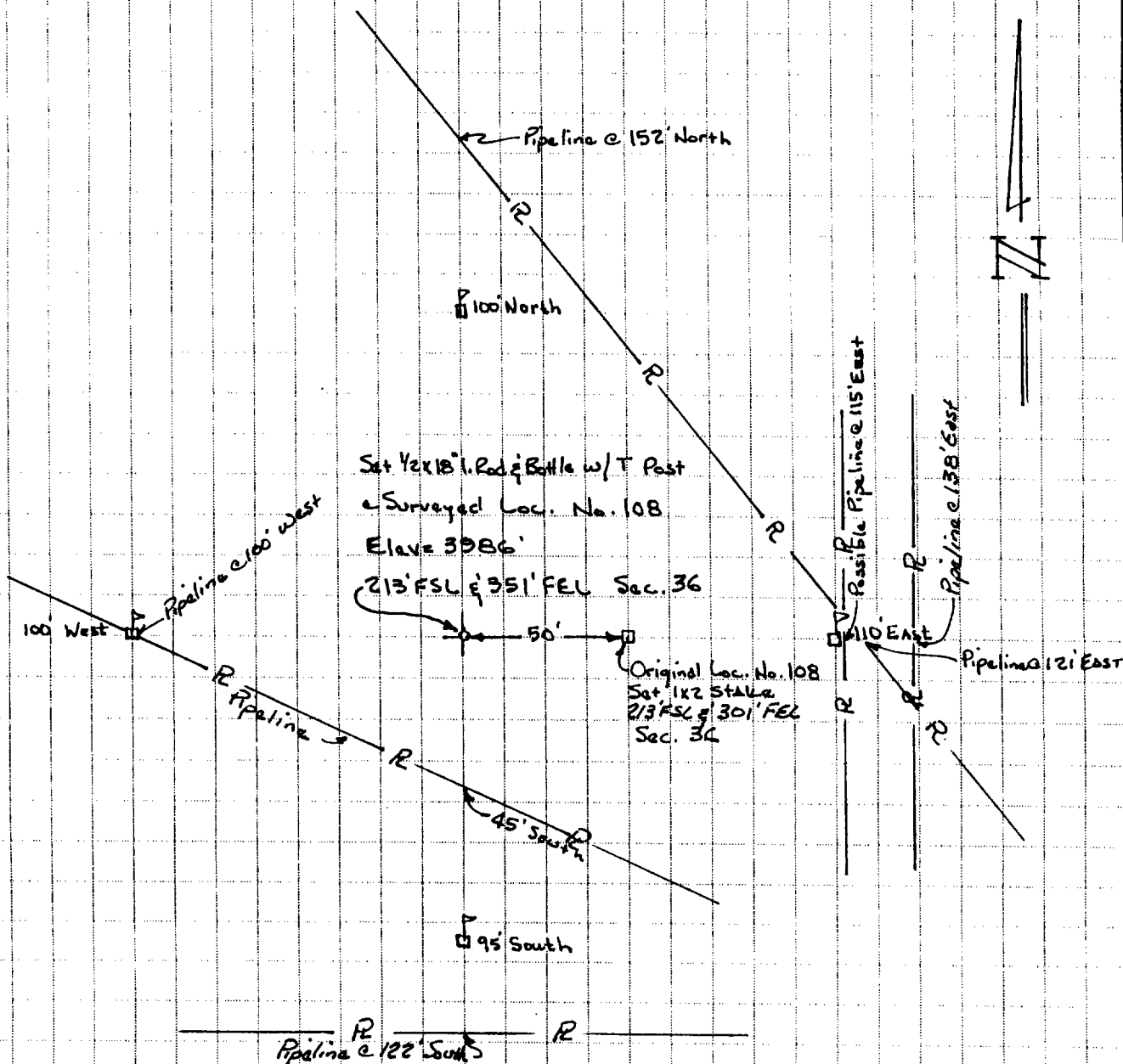
JOB Vacuum Glorieta West Unit Location #108

SHEET NO. 1 OF 1

CALCULATED BY Dow E Kelly DATE 01/07/93

CHECKED BY J. Stan Piper DATE 01/07/93

SCALE 1"=50'



James Piper

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

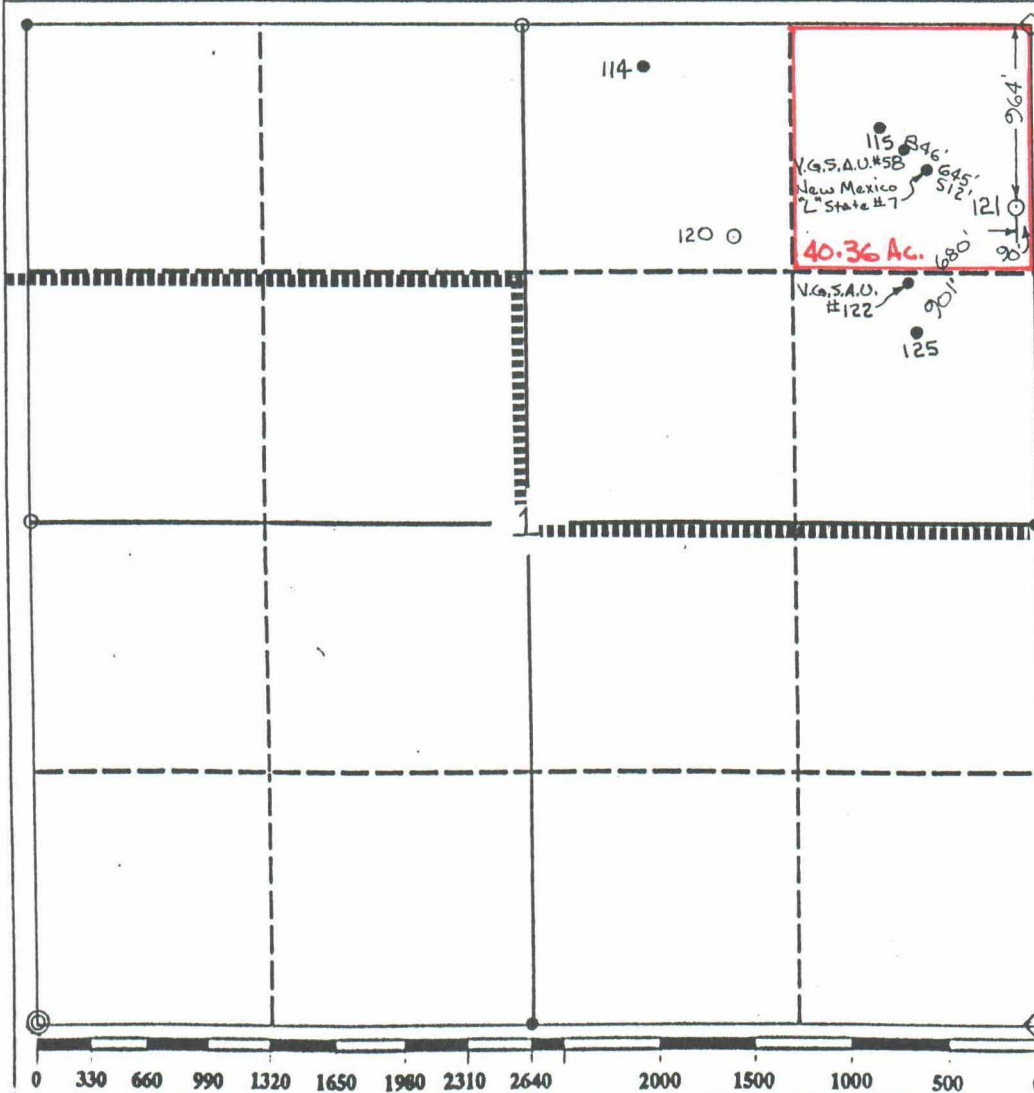
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.		Lease VACUUM GLORIETA WEST UNIT		Well No. 121
Unit Letter A	Section 1	Township 18-South	Range 34-East NMPM	County Lea
Actual Footage Location of Well:				
964 feet from the North line and 90 feet from the East line				
Ground level Elev. 3986	Producing Formation Glorieta: Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40.36 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
- ☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
- If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
- No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name

Printed Name _____

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date _____

January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

December 18, 1992

Signature & Seal of
Professional Surveyor

John D. Pyne

Certificate No.

7254 J. S. Piper

Lea Co. FB. 7, Pg. 52

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 122
Unit Letter D	Section 6	Township 18-South	Range 35-East	County NMPM	Lea

Actual Footage Location of Well:

845 feet from the North line and		1061 feet from the West line	
Ground level Elev. 3983	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 37.43 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

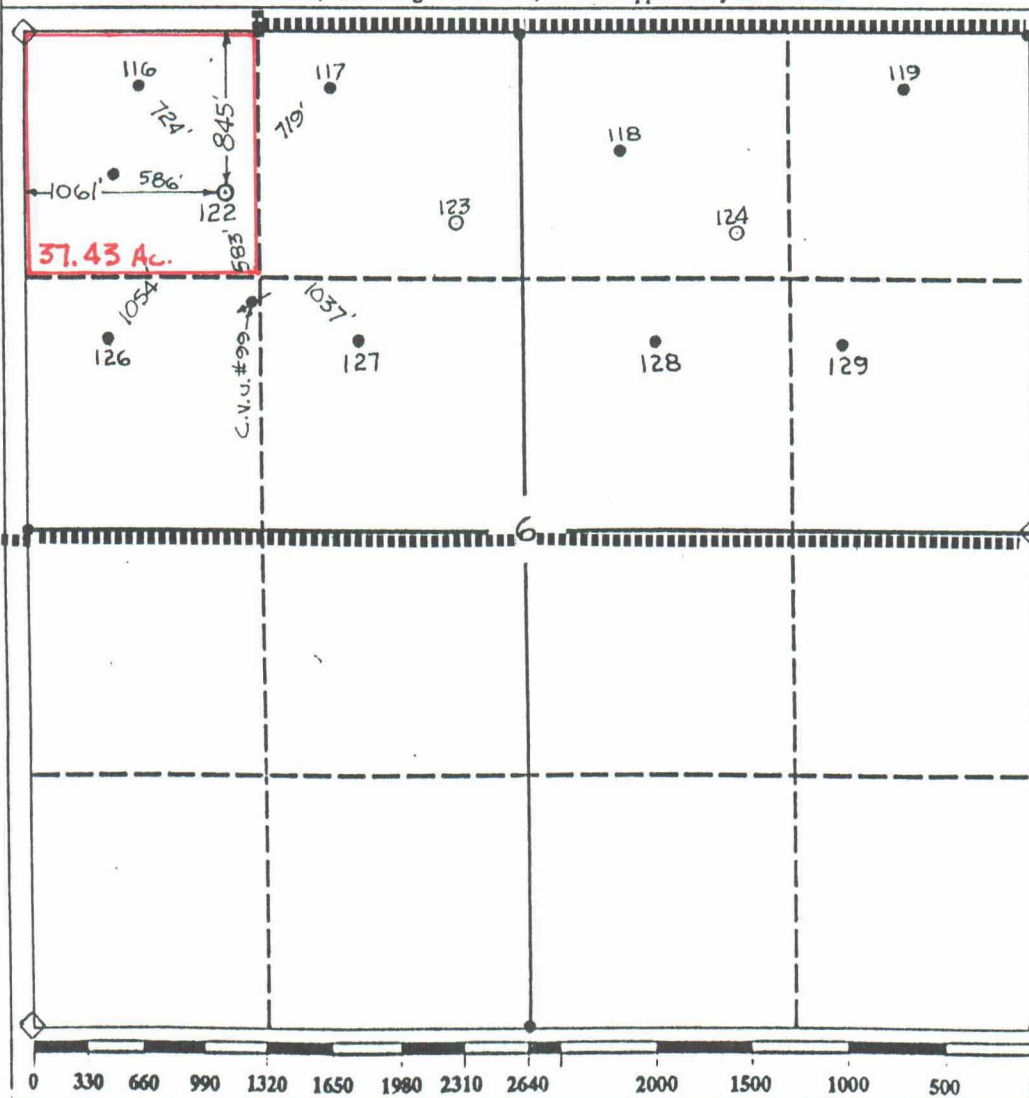
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 18, 1992

Signature & Seal of
Professional Surveyor

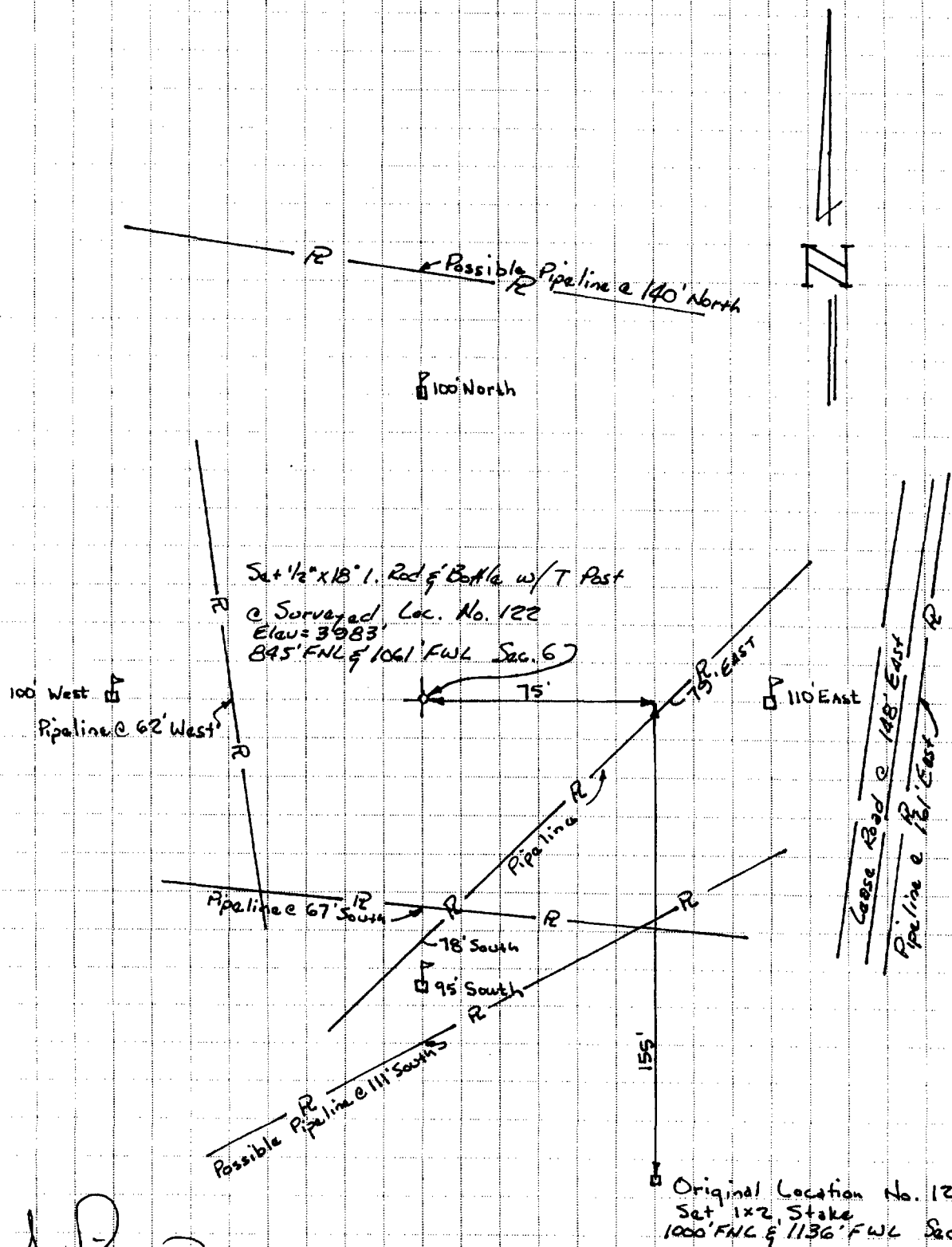
John S. Piper

Certificate No.

7254 J. S. Piper

Lea Co. FB. 7, Pg. 53

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810



John S. Phipps

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

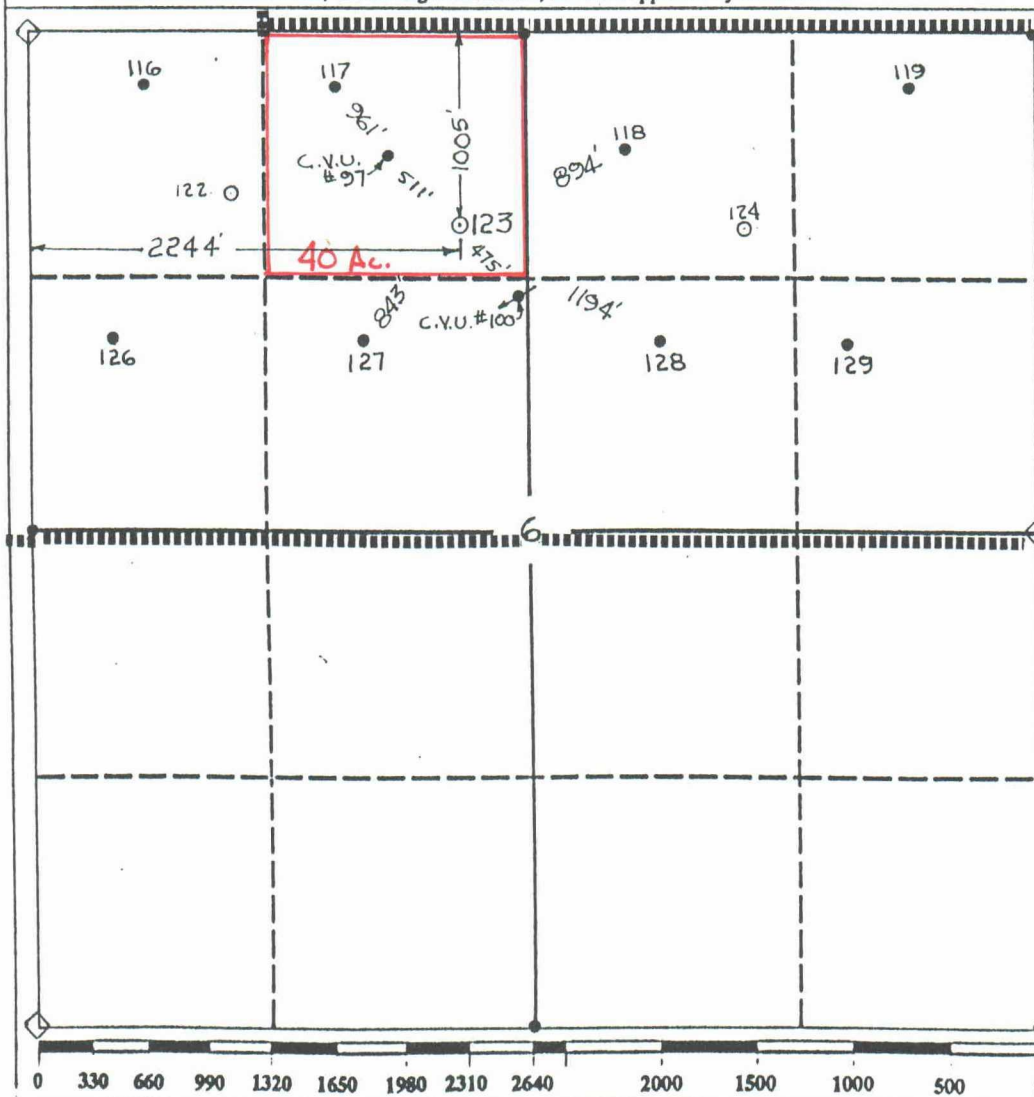
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 123
Unit Letter C	Section 6	Township 18-South	Range 35-East	County Lea	
Actual Footage Location of Well: 1005 feet from the North line and 2244 feet from the West line					
Ground level Elev. 3973	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 30, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

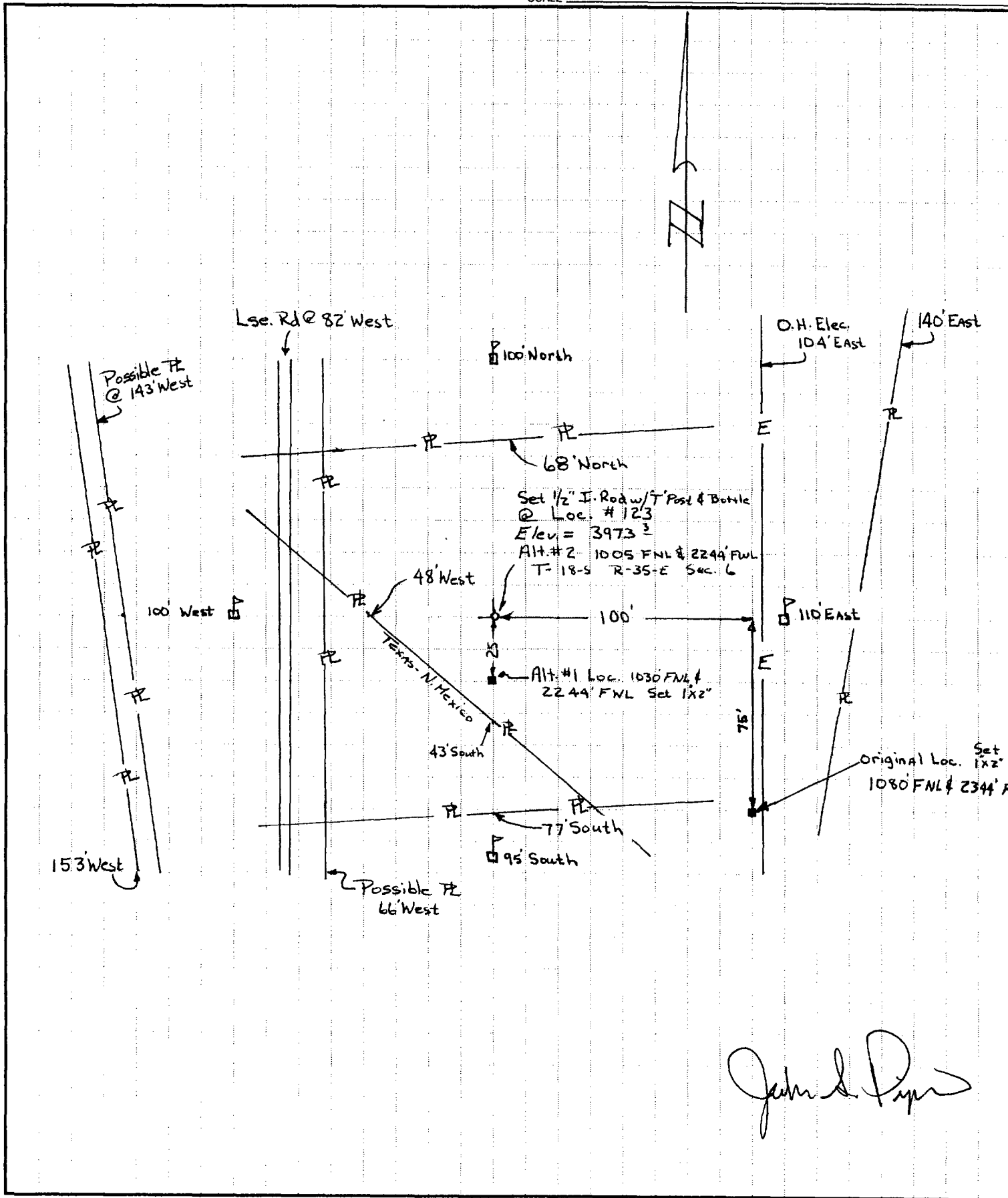
7254 J. S. Piper

Lea Co. FB. 7, Pg. 54

PIPER SURVEYING COMPANY

P.O. Box 60432
 MIDLAND, TEXAS 79711
 (915) 550-7810

SHEET NO. 1 OF 1
 CALCULATED BY O. Flores DATE 01/04/93
 CHECKED BY D. Kelly DATE 01/04/93
 SCALE 1"=50'



OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

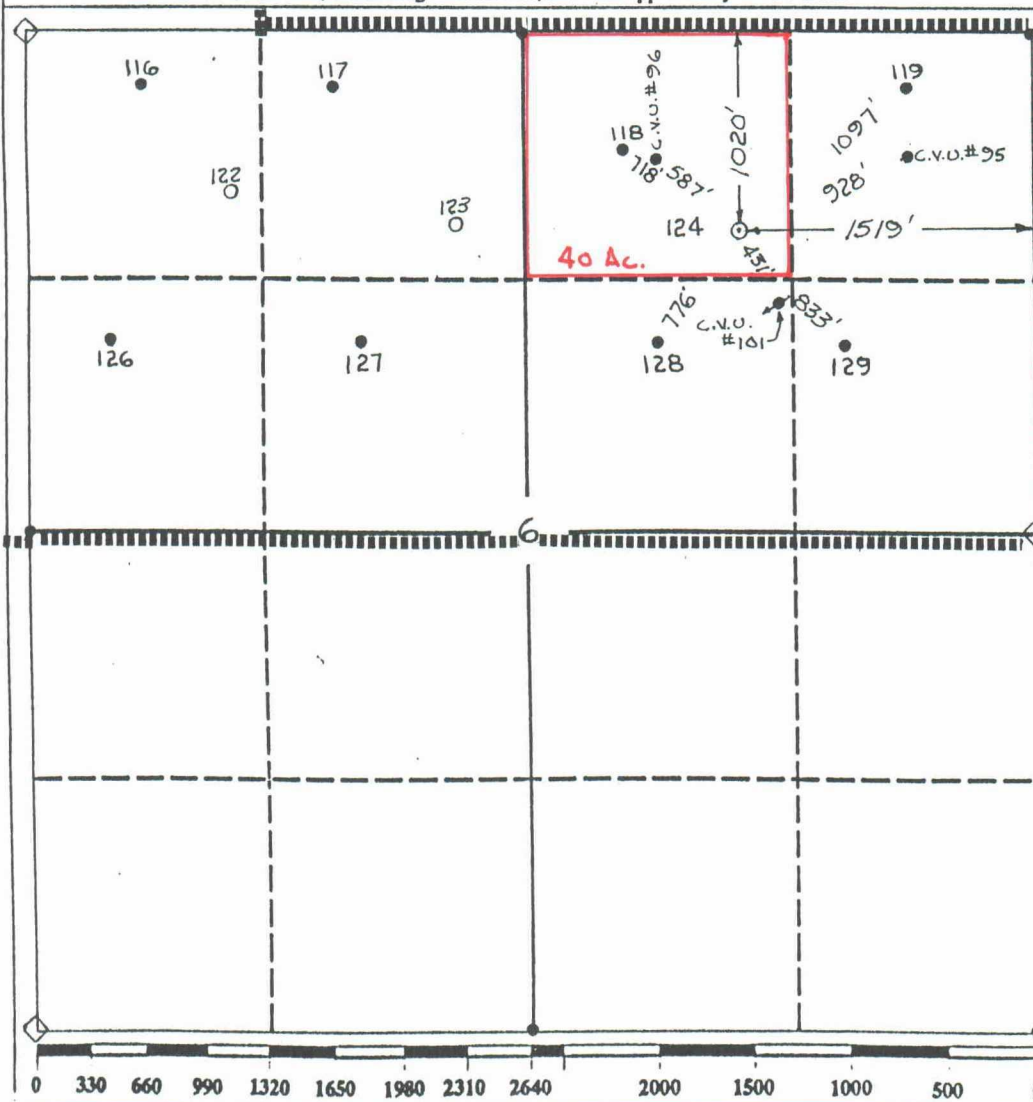
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 124
Unit Letter B	Section 6	Township 18-South	Range 35-East	County NMPM	Lea
Actual Footage Location of Well: 1020 feet from the North line and 1519 feet from the East line					
Ground level Elev. 3976	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

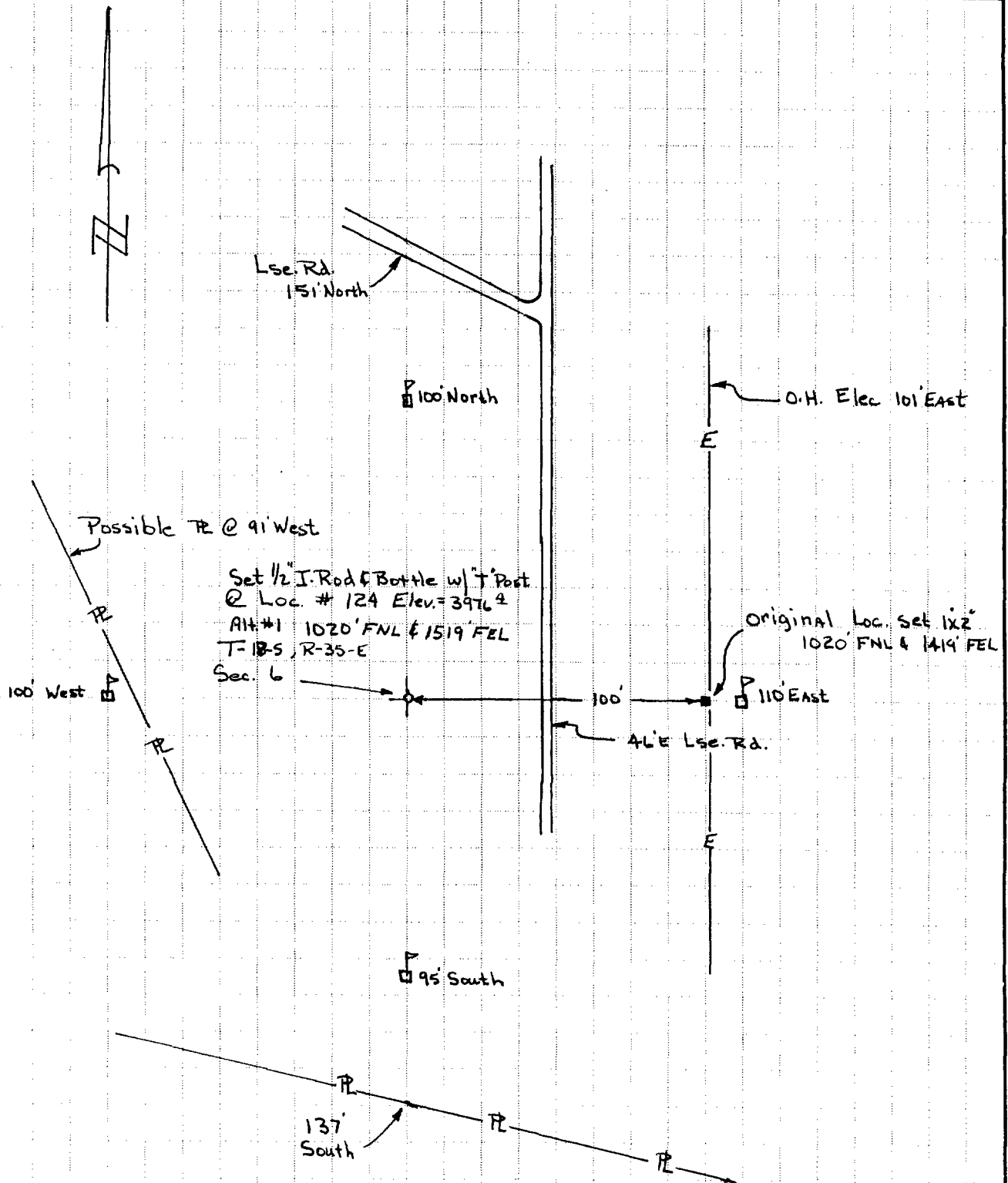
Date Surveyed
December 18, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 J. S. Piper

Lea Co. FB. 7, Pg. 55

PIPER SURVEYING COMPANY
P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1
CALCULATED BY O. Flores DATE 01/04/93
CHECKED BY D. Kelly DATE 01/04/93
SCALE 1"=50'



John S. Piper



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

RECEIVED
'93 JAN 21 AM 9:12
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

1-19-93

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL X Amend
NSP _____
SWD _____
WFX _____
PMX _____

Vacuum Blower West #21+2617-34
#58 H 35-17-34
#63 H 35-17-34
#77-I 35-17-34
#91-I 35-17-34
#106 & 36-17-34
#108-P 36-17-34
#121-A 1-18-34
#122-E 6-18-35
#123-C 6-18-35
#124-B 6-18-35

Gentlemen:

I have examined the application for the:

Jeraco Expl & Prod Inc.

Operator _____ Lease & Well No. _____ Unit _____ S-T-R _____

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton

Jerry Sexton
Supervisor, District 1

/ed



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 4, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Administrative Amendment to Division
Order No. R-9714 for the Vacuum-
Glorieta West Unit Well No. 68.**

Dear Mr. Basham:

Reference is made to your letter dated January 11, 1993 requesting a second change to the location for the Vacuum-Glorieta West Unit Well No. 68 which was previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico, by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

By letter dated January 8, 1993, the Division amended the original well location for the subject well from 1491 feet from the North line and 280 feet from the East line (Unit H) of Section 36, Township 17 South, Range 34 East, NMPM, Vacuum-Glorieta Pool, Vacuum-Glorieta West Unit, Lea County, New Mexico, to a new location of 1728 feet from the North line and 351 feet from the East line (Unit H) of said Section 36. It is my understanding at this time that Texaco is seeking yet another change for the proposed location because of another pipeline and for "undisclosed geological reasons."

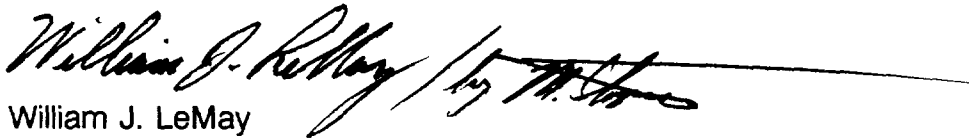
By the authority granted me under the provisions of General Rule 104.F., the location for the No. 68 well is hereby approved to be drilled 1517 feet from the North line and 139 feet from the East line (Unit H) of said Section 36.

Administrative Amendment to Division Order No. R-9714
Texaco Exploration and Production Company
February 4, 1993
Page 2

Further, Exhibit "A" of Division Order No. R-9714 and Division letter dated January 8, 1993 shall be amended to reflect this change.

All other provisions of said Order No. R-9714 and said Division letter dated January 8, 1993 shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. LeMay", followed by a long horizontal line.

William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10516



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION

5211-1-80

'93 JAN 11 AM 8 50

January 11, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well No. 68

Amended Location

Division Order No. R-9714

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco respectfully submits, for administrative approval, the amended drilling location for the captioned well.

Attached is the amended Form C-102 for Well No. 68. This well had to be moved from its location that was applied for in our letter dated December 17, 1992 because of pipelines and for geological reasons.

OLD LOCATION: 1728' FNL, 351' FEL, SEC. 36, T-17-S, R-34-E.

NEW LOCATION: 1517' FNL, 139' FEL, SEC. 36, T-17-S, R-34-E.

Yours very truly,

C.P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc: NMOCD, P. O. Box 1980, Hobbs, NM 88240

*Amended
Amendment
of 1/8/93*

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

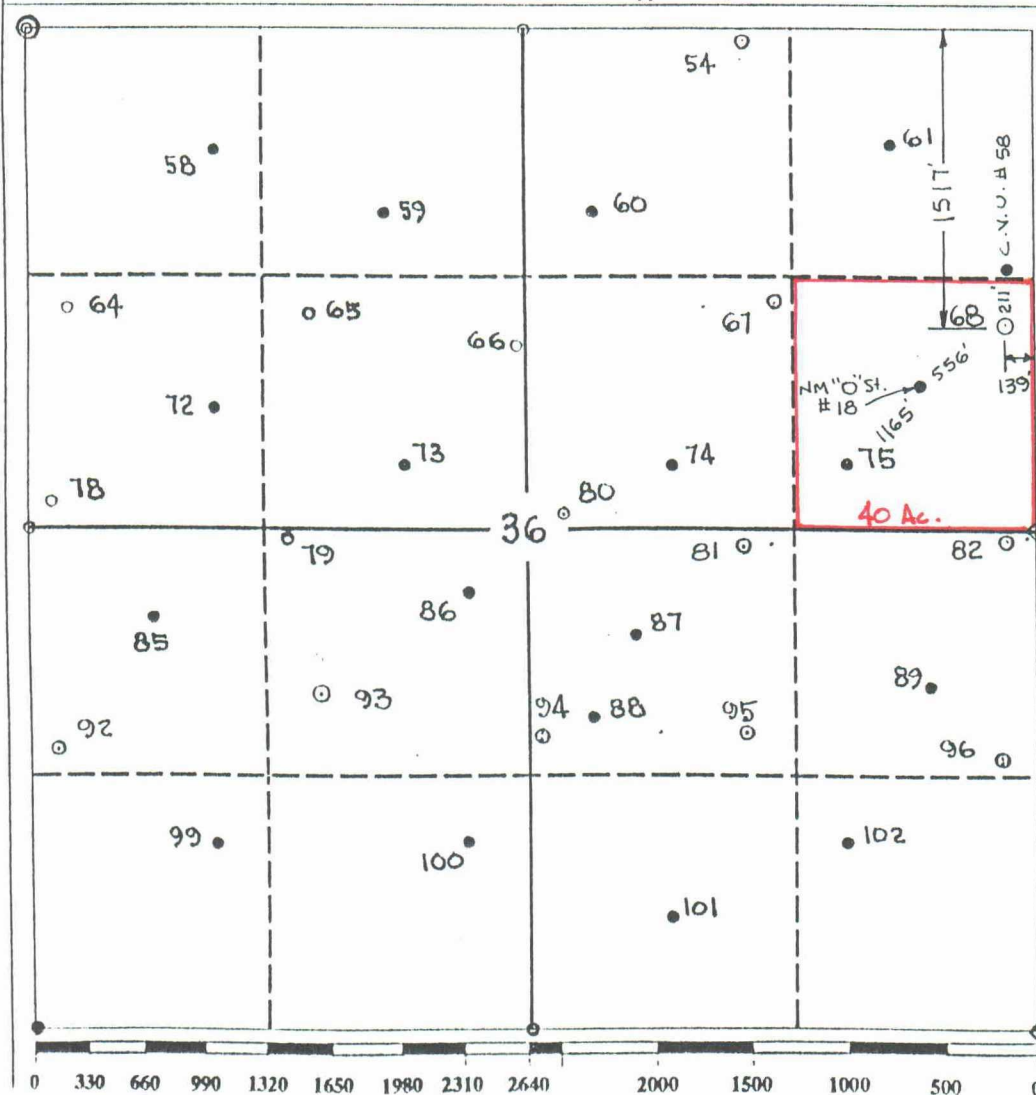
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 68
Unit Letter H	Section 36	Township 17-South	Range 34-East	County Lea	NMPM
Actual Footage Location of Well: 1517 feet from the North line and 139 feet from the East line					
Ground level Elev. 3989	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



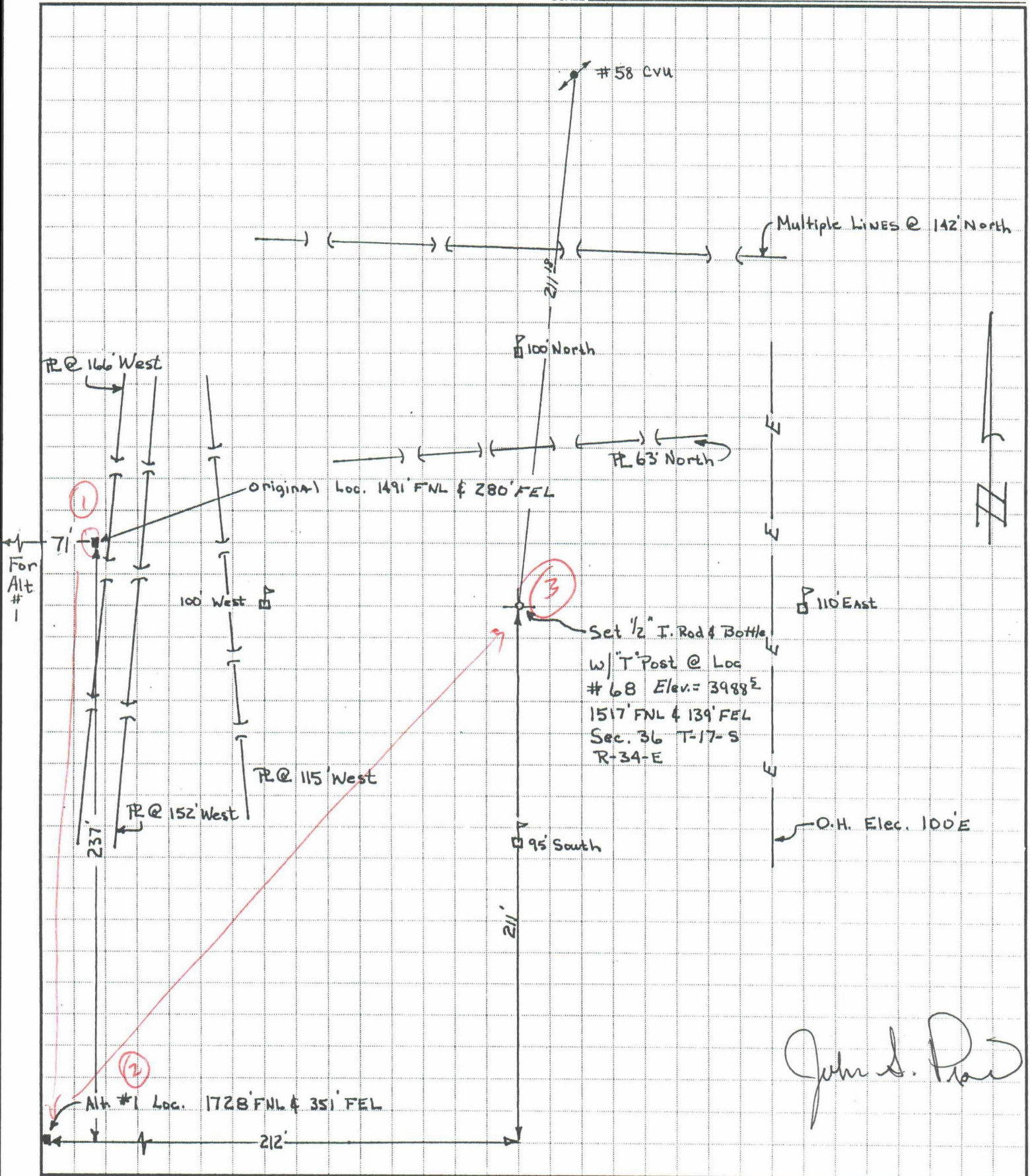
OPERATOR CERTIFICATION	
I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
Signature	<i>Royce D. Mariott</i>
Printed Name	Royce D. Mariott
Position	Division Surveyor
Company	Texaco Expl. & Prod.
Date	January 7, 1993

SURVEYOR CERTIFICATION	
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
Date Surveyed	December 30, 1992
Signature & Seal of Professional Surveyor	<i>John S. Piper</i>
Certificate No.	7254 John S. Piper

PIPER SURVEYING COMPANY

P.O. Box 60432
 MIDLAND, TEXAS 79711
 (915) 550-7810

SHEET NO. 1 OF 1
 CALCULATED BY O. Flores DATE 01/04/93
 CHECKED BY D. Kelly DATE 01/04/93
 SCALE 1"=50'



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

January 8, 1993

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C. P. Basham, Drilling Operations Manager

RE: Administrative Amendment to
Division Order No. R-9714.

Dear Mr. Basham:

Reference is made to your letter dated December 17, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), to five certain injection well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations of five particular wells due to minor difficulties encountered when actually staking the locations.

By the authority granted me under the provisions of General Rule 104.F, the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

Texaco Exploration and Production
Attention: C. P. Basham
January 8, 1993
Page 2

By the authority granted me under the provisions of General Rule 104.F, the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

Lease Name	Corrected Footage Location	U-I-S-T-R	VGWU Well No.
Bridges State	1410' FSL - 1300' FWL	L-24-17S-34E	4
NM "Q" State	1377' FSL - 1646' FEL	J-25-17S-34E	41
NM "O" State	1728' FNL - 351' FEL	H-36-17S-34E	68
NM "O" State	2576' FSL - 149' FEL	I-36-17S-34E	82
State "T"	1426' FSL - 199' FWL	L-36-17S-34E	92

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,

William J. LeMay
Director

WJL/MES/jc

cc: Oil Conservation Division - Hobbs
File: Case No. 10516
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

RECEIVED

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

'93 JAN 21 AM 9 14

1-15-93

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL X Amend _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Truaco Expl. & Prod. Inc. Vacuum Blower West Unit # 68-H 3617-34
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

March 26, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702

Attention: C.P. Basham

*Administrative Order DD-78(NSBHL)
and the Administrative Amendment of
Division Order No. R-9714*

Dear Mr. Basham:

Under the provisions of General Rule 111 (c), (d) and (e), Texaco Exploration and Production Company made application to the New Mexico Oil Conservation Division on January 28 and March 4, 1993, for authorization to directionally drill its proposed Vacuum Glorieta West Unit Well No. 107, Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico. Said well is to be utilized as a water injection well in said unit and was previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, to be drilled at an unorthodox surface location 184 feet from the South line and 1382 feet from the East line (Unit O) of Section 16, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico.

Said Division Order No. R-9714 further authorized Texaco to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Range 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

The Division Director Finds That:

- (1) The application has been duly filed under the provisions of Rule 111(d) and (e) of the Division General Rules and Regulations;
- (2) At this time Texaco finds it necessary to locate this well at a different surface location than originally approved by said Order No. R-9714 as to avoid their own "gas plant" that it's personnel evidently did not know existed at the time said Case No. 10516 was brought to hearing before the Division.

- (3) The bottom-hole location is to remain the same as originally approved in said Order No. R-9714 for the purpose of completing an efficient injection/production pattern within said waterflood project area. However, the applicant requested a variance of an additional 100 feet from the "50-foot radius rule", stipulated in General Rule 111.E for directional drilling cost saving considerations.
- (4) The applicant has presented satisfactory evidence that all requirements prescribed in General Rule 111 have either been or will be met; and
- (5) Notification is not necessary in this instance since the well is within the applicant's Vacuum Glorieta West Unit Area and there are no immediate offset operators other than Texaco.
- (6) Further, since there are no offset operators, approval of this application should not threaten correlative rights.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Texaco Exploration and Production Company, is hereby authorized to directionally drill its Vacuum Glorieta West Unit Well No. 107, the surface location of which shall be 183 feet from the South line and 931 feet from the East line (Unit P) of Section 36, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico, by kicking off from the vertical at a depth of approximately 1470 feet, and drilling in such a manner as to bottom in the Vacuum Glorieta Pool within 150 feet of a point 184 feet from the South line and 1382 feet from the East line (Unit O) of said Section 36, being an unorthodox bottom-hole injection well location.

PROVIDED HOWEVER THAT prior to commencing directional drilling operations into said wellbore, the applicant shall establish the location of the kick-off point by means of a directional survey acceptable to the Division.

PROVIDED HOWEVER THAT during or upon completion of directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottomhole location, as well as the wellbore's true depth and course, may be determined.

(2) The applicant shall notify the supervisor of the Hobbs district office of the Division of the date and time said wellbore surveys are to be conducted so that they may be witnessed. The applicant shall further provide a copy of said wellbore surveys to the Santa Fe and Hobbs offices of the Division upon completion.

(3) Form C-105 shall be filed in accordance with Division Rule 1105 and the operator shall indicate thereon true vertical depth in addition to measured depths.

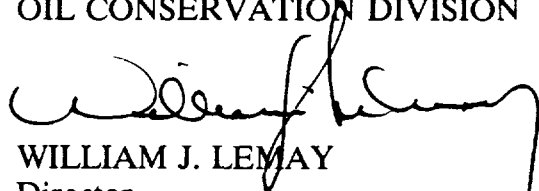
(4) Further, Exhibit "A" of said Division Order No. R-9714 shall be amended to reflect the above-described well location changes.

(4) All other provisions of Order No. R-9714 shall remain in full force and effect until further notice.

(5) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
File: Case No. 10516



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

2040 S. PACHECO
SANTA FE, NEW MEXICO 87505
(505) 827-7131

November 23, 1994

Texaco Exploration & Production Inc.
Midland Producing Division
P.O. Box 3109
Midland, Texas 79702

Attention: Mr. J. A. Head

Re: Positive Production Response
Vacuum Glorieta West Unit

Dear Mr. Head:

We have received your request dated November 4, 1994, to certify a positive production response from the Vacuum Glorieta West Unit Waterflood Project. Please be advised that the subject application will be set for hearing before a Division Examiner on January 5, 1995. The reason for this action is that your application is the first of its kind received by the Division, and, analysis of the data at a hearing will aid the Division in establishing an administrative procedure.

If you should have any questions, please contact me at (505) 827-7131.

Sincerely,

David Catanach
Engineer

xc: Case File-10516 ✓
Mr. William F. Carr

Case No. 10516



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

July 29, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: *Administrative Amendment to Division Order No. R-9714
for the Vacuum Glorieta West Unit Well No. 123.***

Dear Mr. Basham:

Referenced is made to your letter dated July 28, 1993 requesting a third change to the location to the location for the Vacuum-Glorieta West Unit Well No. 123 which was previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992.

Said Division Order No. R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico, by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

By letter dated February 3, 1993, the Division amended the original well location for the subject well from 1080 feet from the North line and 2344 feet from the West line (Unit C) of Section 6, Township 18 South, Range 35 East, NMPM, Vacuum-Glorieta Pool, Vacuum-Glorieta West Unit, Lea County, New Mexico, to a new location of 1005 feet from the North line and 2244 feet from the West line (Unit C) of said Section 6. It is my understanding at this time that Texaco is seeking another change for the proposed location in order to utilize an existing well pad for the Marathon Oil Company Warn State A/C-2 Well No. 21.

By the authority granted me under the provisions of General Rule 104.F., the location for the No. 123 well is hereby approved to be drilled 1265 feet from the North line and 2035 feet from the West line (Unit C) of said Section 6.

Administrative Amendment to Division Order No. R-9714
Texaco Exploration and Production Company
July 29, 1993
Page 2

Further, Exhibit "A" of Division Order No. R-9714 and Division letter dated February 3, 1993 shall be amended to reflect this change.

All other provisions of said Order No. R-9714 and said Division letter dated February 3, 1993 shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", is written over a horizontal line.

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach
File: Case No. 10516



Texaco Exploration and Production Inc
Midland Producing Division

500 N. Lorraine
Midland TX 79701

P O Box 3109
Midland TX 79702

July 28, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit
Well No. 123
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, an amended drilling location for the captioned injection well under Order No. R-9714.

Well No. 123 was moved to be further from a pipeline and to share Marathon's newly constructed well pad.

Attached is Form C-102 and a "detail" drawing showing the amended location for the well.

Yours very truly,

C.P. Basham/cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

P.3/4

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drewes DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

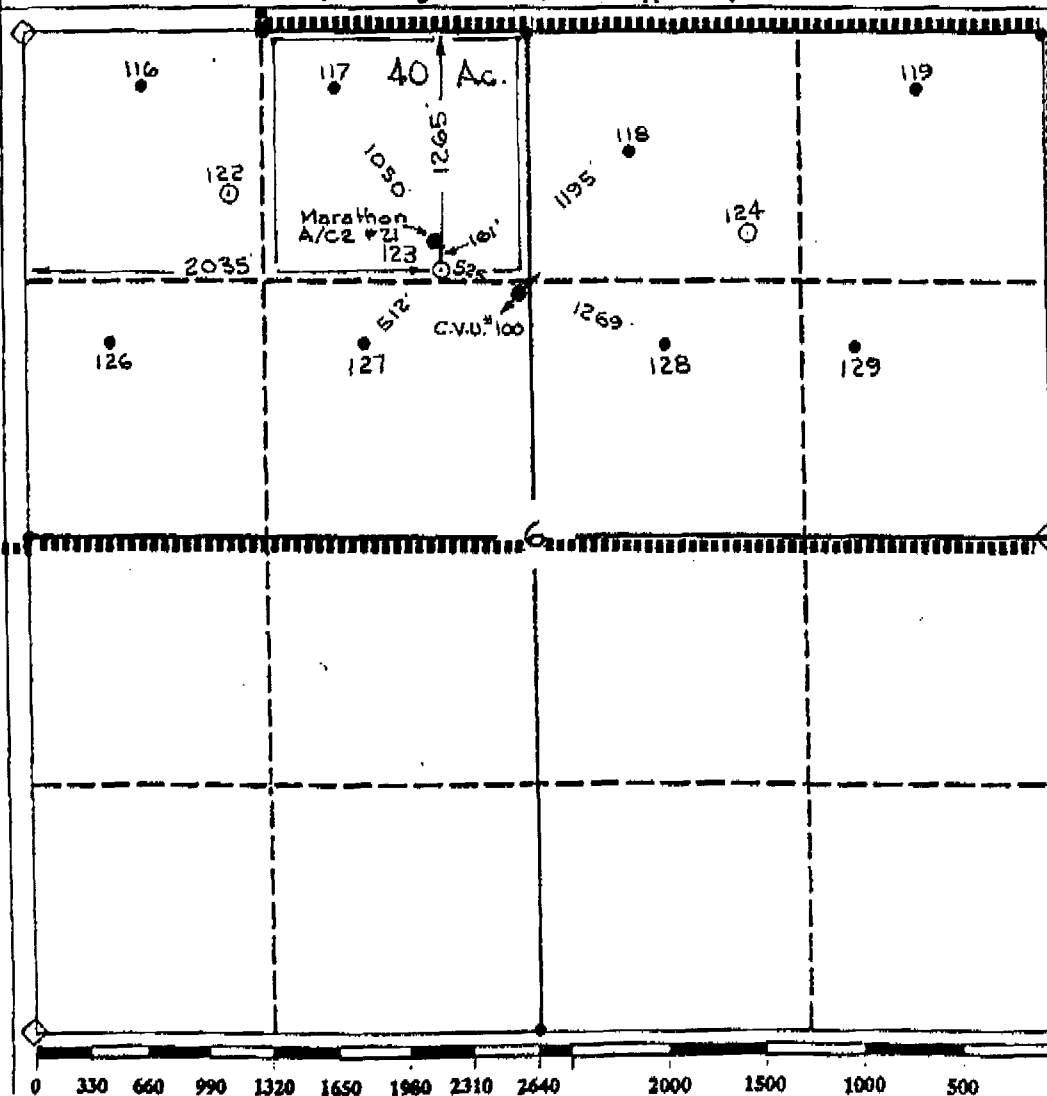
All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 123
Unit Letter C	Section 6	Township 18-South	Range 35-East	County NMPM	Lea
Actual Footage Location of Well: 1265 feet from the North line and 2035 feet from the West line					
Ground level Elev. 3975	Producing Formation Glorieta: Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or inkure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowables will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name _____

Rovce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date _____

July 28, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

July 27, 1993

Signature & Seal of
Professional Surveyor

Certificate No.

7254 J. S. Piper

Lea Co. FB. 7, Pg. 75



TEXACO

FAX TRANSMITTAL COVER SHEET

NOTE: DO NOT USE BLUE OR RED INK OR PENCIL ON THIS FORM. THEY WILL NOT REPRODUCE

DATE: 7/28/93 ☒ URGENT ☐ ROUTINE NO. OF PAGES C + 3MESSAGE TO: MR. MICHAEL E. STOGNER

TELEPHONE NO. _____ FAX MACHINE NO. _____

DEPT./DIV./SUBS. _____

LOCATION _____ ROOM NO. _____

MESSAGE FROM: C WADE HOWARD

TELEPHONE NO. _____ FAX MACHINE NO. _____

DEPT./DIV./SUBS. _____

LOCATION _____ ROOM NO. _____

SENDING DEPT. APPROVAL _____ TIME TRANSMITTED _____

☐ RETURN ORIGINAL VIA INTER-OFFICE MAIL☐ RETURN ORIGINAL CALL SENDER TO PICK UP

ADDITIONAL COMMENTS:

If you have any questions, please call at
(915) 688-4606

Thanks,Wade



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

Case No. 10516



BRUCE KING
GOVERNOR

March 25, 1993

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

ANITA LOCKWOOD
CABINET SECRETARY

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Administrative Amendment
to Division Order No. R-9714**

Dear Mr. Basham:

Reference is made to your letters dated January 13, February 8, and February 9, 1993 requesting exceptions, pursuant to Division General Rule 104.F(1), for two injection well locations, both previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order No. R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico, by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations for its Vacuum Glorieta West Unit Well Nos. 27 and 106 as to avoid overhead electric utility lines that evidently Texaco's personnel were not aware existing at the time said Case No. 10516 was brought before the Division.

By the authority granted me under the provisions of General Rule 104.F., the following unorthodox injection well locations are hereby approved. Further Exhibit "A" of said Order No. R-9714 shall be amended to reflect the following location changes:

Lease Name	Corrected Footage Location	U-S-T-R	VGWU Well No.
Bridges State	2359' FSL - 64' FEL	I-26-17S-34E	27
NM "O" State NCT-1	310' FSL - 2630' FEL	O-36-17S-34E	106

Texaco Exploration and Production Company

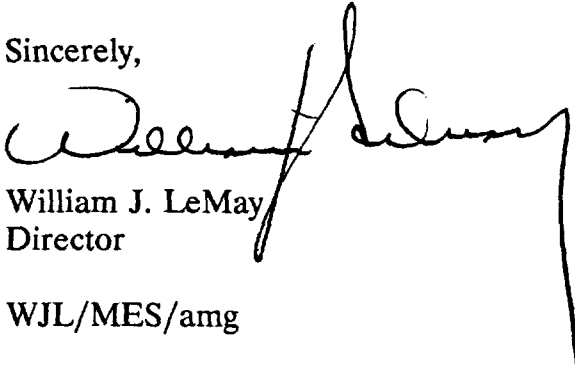
Attention: C.P. Basham

March 25, 1993

Page 2

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. LeMay', with a long, sweeping vertical line extending downwards from the end of the signature.

William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
Oil Conservation Division - Michael E. Stogner
File: Case No. 10516



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

'93 FEB 11 AM 9 00

February 8, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well No. 27

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

In reference to your letter dated February 4, 1993, the location given for the captioned well in Exhibit "A" under Division Order No. R-9714 was in error. The correct location was 2359' FSL and 34' FEL. When the well was staked, a pipeline made it necessary to ~~move the well 30' west~~. The amended location for this well is 2359' FSL and 64' FEL of section 26, T-17-S, R-34-E.

Attached is Form C-102 and a "detail" drawing showing the amended location for this well.

Yours very truly,

C. P. Basham / CWH

C. P. Basham
Drilling Operations Manager

CWH:



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 4, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Application to amend an injection well
location approved by Division Order No.
R-9714. Vacuum-Glorieta West Unit
Well No. 27.**

Dear Mr. Basham:

The proposed amendment for the subject well appears to be somewhat more involved than simply moving to avoid a pipeline. Division Order No. R-9714 approved the No. 27 well to be drilled 1171 feet from the South line and 34 feet from the East line of Section 26, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico. The plat (see copy attached) submitted in your application dated January 13, 1993 shows the original location to be 2359 feet from the South line and 34 feet from the East line; this is a 1188-foot difference.

Please provide me a statement outlining the reason for this discrepancy.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", written over a horizontal line.

Michael E. Stogner

MES/amg

cc: Oil Conservation Division - Hobbs

EXHIBIT "A"
DIVISION ORDER NO. R-9714
VACUUM GLORIETA WEST UNIT
APPROVED NEWLY DRILLED INJECTION WELLS

<u>LEASE NAME</u>	<u>LOCATION</u>	<u>ULSTR</u>	<u>VGMJ WELL NO.</u>
Bridges State	1360' FSL & 1300' FWL	M-24-17S-34E	4
Bridges State	1209' FSL & 2582' FWL	N-24-17S-34E	5
Bridges State	73' FNL & 1411' FWL	C-25-17S-34E	9
Yucca State	100' FSL & 2628' FWL	O-24-17S-34E	10
Bridges State	246' FNL & 1554' FEL	B-25-17S-34E	11
Bridges State	1328' FNL & 1399' FWL	F-25-17S-34E	17
Bridges State	1651' FNL & 2543' FWL	F-25-17S-34E	18
Bridges State	1502' FNL & 1520' FEL	G-25-17S-34E	19
NM T State NCT-1	1541' FNL & 181' FEL	H-25-17S-34E	20
NM N State	1330' FNL & 1283' FWL	E-30-17S-35E	21
Bridges State	1171' FSL & 34' FEL	I-26-17S-34E	27
McAllister State	2304' FSL & 1127' FWL	L-25-17S-34E	28
McAllister State	2522' FSL & 2283' FWL	K-25-17S-34E	29
NM Q State	2305' FSL & 1391' FEL	J-25-17S-34E	30
Swiggart	2520' FSL & 128' FEL	I-25-17S-34E	31
McAllister State	2387' FSL & 51' FEL	M-25-17S-34E	38
McAllister State	1194' FSL & 1055' FWL	M-25-17S-34E	39
McAllister State	1570' FSL & 2404' FWL	K-25-17S-34E	40
NM Q State	1437' FSL & 1646' FEL	J-25-17S-34E	41
NM N State	1250' FSL & 8 FWL	M-30-17S-35E	42
NM N State	1453' FSL & 1247' FWL	L-30-17S-35E	43
State H-35	112' FNL & 1214' FEL	A-35-17S-34E	50
State H-35	24' FNL & 31' FEL	A-35-17S-34E	51
McAllister State	65' FSL & 1587' FWL	N-25-17S-34E	52
McAllister State	65' FSL & 2350' FWL	N-25-17S-34E	53
NM Q State	7' FSL & 1693' FEL	O-25-17S-34E	54
NM N State	177' FSL & 52' FWL	M-30-17S-35E	55
State H-35	1370' FNL & 1135' FEL	A-35-17S-34E	63
NM O State NCT-1	1484' FNL & 204' FWL	E-36-17S-34E	64
NM O State NCT-1	1472' FNL & 1492' FWL	F-36-17S-34E	65

<u>LEASE NAME</u>	<u>LOCATION</u>	<u>ULSTR</u>	<u>VGWU WELL NO.</u>
NM O State NCT-1	1690' FNL & 2577' FWL	F-36-17S-34E	66
NM O State NCT-1	1435' FNL & 1408' FEL	G-36-17S-34E	67
NM O State NCT-1	1491' FNL & 280' FEL	H-36-17S-34E	68
Santa Fe Battery 2	1502' FNL & 1203' FWL	E-31-17S-35E	69
State H-35	2569' FSL & 1326' FEL	H-35-17S-34E	77
NM O State NCT-1	2491' FNL & 127' FWL	E-36-17S-34E	78
State VB	2461' FSL & 1351' FWL	K-36-17S-34E	79
NM O State NCT-1	2552' FNL & 2504' FEL	G-36-17S-34E	80
NM O State NCT-1	2466' FSL & 1505' FEL	J-36-17S-34E	81
NM O State NCT-1	2576' FSL & 82' FEL	I-36-17S-34E	82
M.E. Hale	1459' FSL & 1148' FEL	I-35-17S-34E	91
State I	1451' FSL & 149' FWL	L-36-17S-34E	92
State VB	1723' FSL & 1575' FWL	K-36-17S-35E	93
NM O State NCT-1	1525' FSL & 2591' FEL	J-36-17S-34E	94
NM O State NCT-1	1519' FSL & 1548' FEL	J-36-17S-34E	95
NM O State NCT-1	142' FSL & 214' FEL	I-36-17S-34E	96
Santa Fe Battery 2	1419' FSL & 1225' FWL	L-31-17S-35E	97
NM O State NCT-1	361' FSL & 300' FWL	M-36-17S-34E	104
NM O State NCT-1	403' FSL & 1340' FWL	N-36-17S-34E	105
NM O State NCT-1	310' FSL & 2542' FEL	O-36-17S-34E	106
NM O State NCT-1	184' FSL & 1382' FEL	O-36-17S-34E	107
NM O State NCT-1	213' FSL & 301' FEL	P-36-17S-34E	108
Warn State AC 2	96' FNL & 2498' FWL	C-6-18S-35E	109
NM R State NCT-1	74' FNL & 56' FEL	A-6-18S-35E	110
NM L State	1102' FNL & 1575' FEL	B-1-18S-34E	120
NM L State	1014' FNL & 140' FEL	A-1-18S-34E	121
Warn State AC 2	1000' FNL & 1136' FWL	D-6-18S-35E	122
Warn State AC 2	1080' FNL & 2344' FWL	C-6-18S-35E	123
NM R State NCT-1	1020' FNL & 1419' FEL	B-6-18S-35E	124

EXISTING WELL TO BE CONVERTED TO INJECTION

Bridges State No. 113 30' FNL & 830' FWL E-24-17S-34E 1



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

7 DIVISION

10 23

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,
106, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, 106, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwb

C. P. Basham
Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

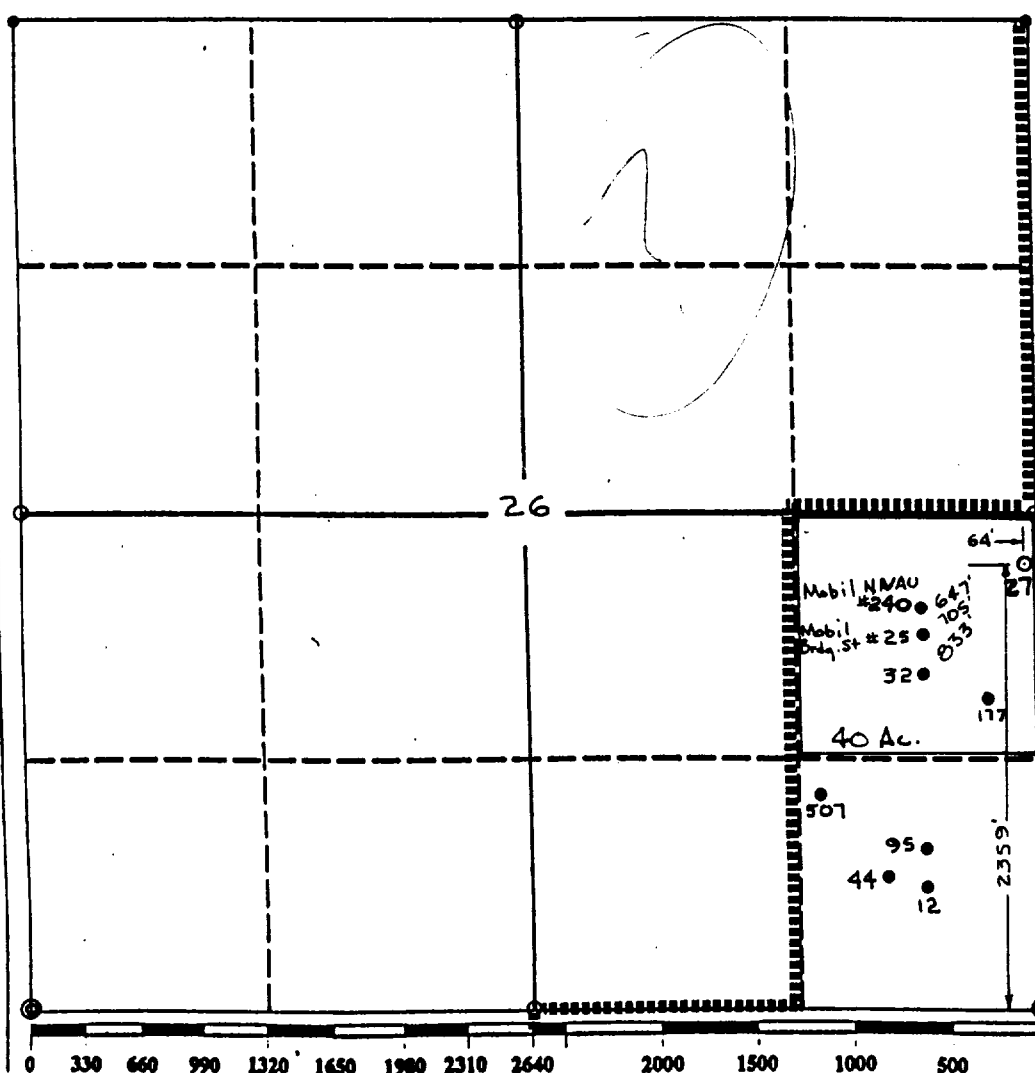
All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 27
Unit Letter I	Section 26	Township 17-South	Range 34-East	County NMPM Lea	
Actual Footage Location of Well: 2359 feet from the South line and 64 feet from the East line					
Ground level Elev. 4012	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

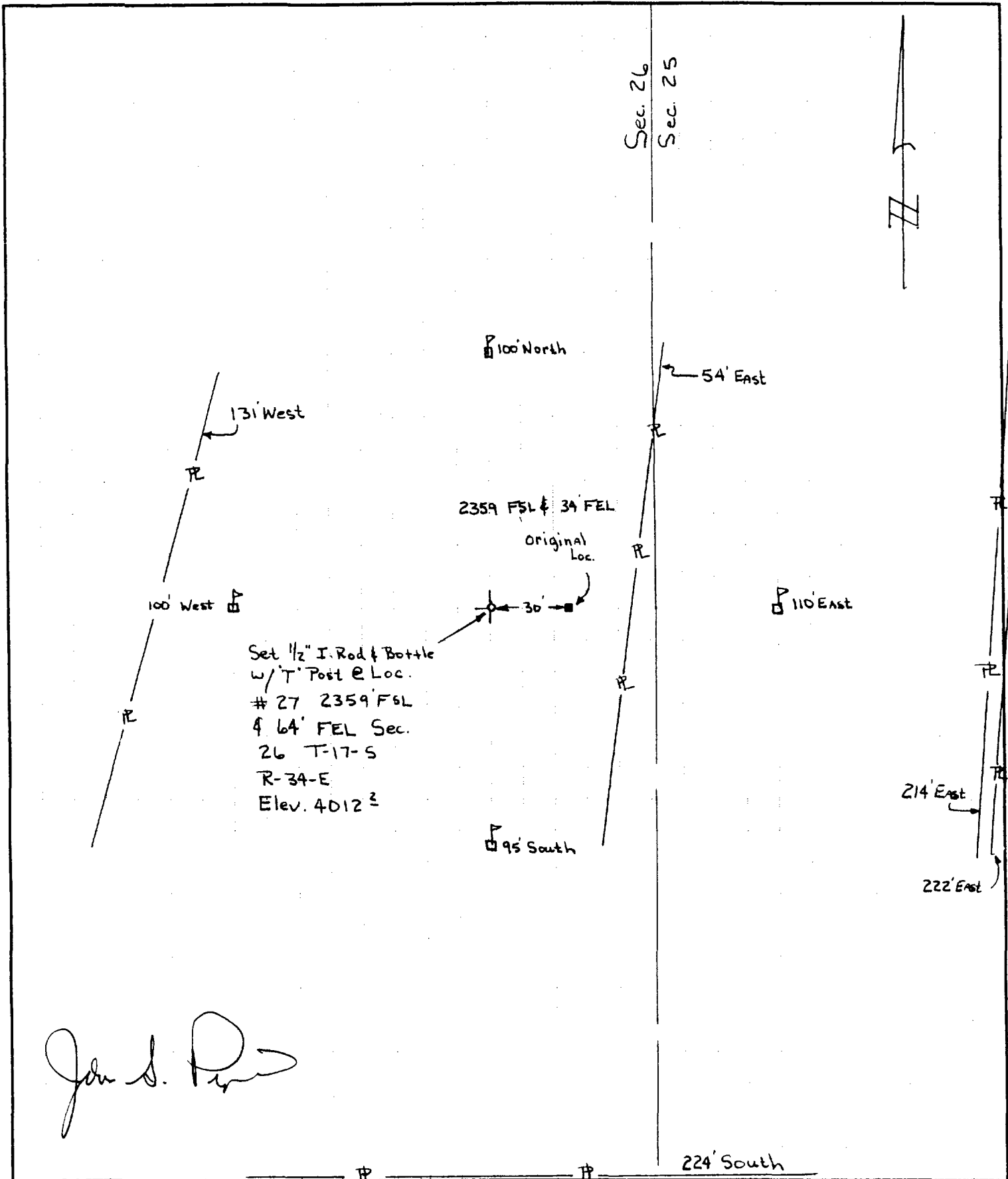
Date Surveyed
December 18, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 J. S. Piper
Lea Co. FB. 7, Pg. 56

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1
CALCULATED BY O. Flores DATE 01/04/93
CHECKED BY D. Kelly DATE 01/04/93
SCALE 1"=50'





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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 4, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Application to amend an injection well
location approved by Division Order No.
R-9714. Vacuum-Glorieta West Unit
Well No. 27.**

Dear Mr. Basham:

The proposed amendment for the subject well appears to be somewhat more involved than simply moving to avoid a pipeline. Division Order No. R-9714 approved the No. 27 well to be drilled 1171 feet from the South line and 34 feet from the East line of Section 26, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico. The plat (see copy attached) submitted in your application dated January 13, 1993 shows the original location to be 2359 feet from the South line and 34 feet from the East line; this is a 1188-foot difference.

Please provide me a statement outlining the reason for this discrepancy.

Sincerely,

Michael E. Stogner

MES/amg

cc: Oil Conservation Division - Hobbs

EXHIBIT "A"
DIVISION ORDER NO. R-9714
VACUUM GLORIETA WEST UNIT
APPROVED NEWLY DRILLED INJECTION WELLS

<u>LEASE NAME</u>	<u>LOCATION</u>	<u>ULSTR</u>	<u>VGMU WELL NO.</u>
Bridges State	1360' FSL & 1300' FWL	M-24-17S-34E	4
Bridges State	1209' FSL & 2582' FWL	N-24-17S-34E	5
Bridges State	73' FNL & 1411' FWL	C-25-17S-34E	9
Yucca State	100' FSL & 2628' FWL	O-24-17S-34E	10
Bridges State	246' FNL & 1554' FEL	B-25-17S-34E	11
Bridges State	1328' FNL & 1399' FWL	F-25-17S-34E	17
Bridges State	1651' FNL & 2543' FWL	F-25-17S-34E	18
Bridges State	1502' FNL & 1520' FEL	G-25-17S-34E	19
NM T State NCT-1	1541' FNL & 181' FEL	H-25-17S-34E	20
NM N State	1330' FNL & 1283' FWL	E-30-17S-35E	21
Bridges State	1171' FSL & 34' FEL	M-25-17S-34E	27
McAllister State	2304' FSL & 1127' FWL	L-25-17S-34E	28
McAllister State	2522' FSL & 2283' FWL	K-25-17S-34E	29
NM Q State	2305' FSL & 1391' FEL	J-25-17S-34E	30
Swiggart	2520' FSL & 128' FEL	I-25-17S-34E	31
McAllister State	2387' FSL & 51' FEL	M-25-17S-34E	38
McAllister State	1194' FSL & 1055' FWL	M-25-17S-34E	39
McAllister State	1570' FSL & 2404' FWL	K-25-17S-34E	40
NM Q State	1437' FSL & 1646' FEL	J-25-17S-34E	41
NM N State	1250' FSL & 8 FWL	M-30-17S-35E	42
NM N State	1453' FSL & 1247' FWL	L-30-17S-35E	43
State H-35	112' FNL & 1214' FEL	A-35-17S-34E	50
State H-35	24' FNL & 31' FEL	A-35-17S-34E	51
McAllister State	65' FSL & 1587' FWL	N-25-17S-34E	52
McAllister State	65' FSL & 2350' FWL	N-25-17S-34E	53
NM Q State	7' FSL & 1693' FEL	O-25-17S-34E	54
NM N State	177' FSL & 52' FWL	M-30-17S-35E	55
State H-35	1370' FNL & 1135' FEL	A-35-17S-34E	63
NM O State NCT-1	1484' FNL & 204' FWL	E-36-17S-34E	64
NM O State NCT-1	1472' FNL & 1492' FWL	F-36-17S-34E	65



Texaco USA
Producing Department
Midland Division

32400000
Midland Division

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,
106, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, 106, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

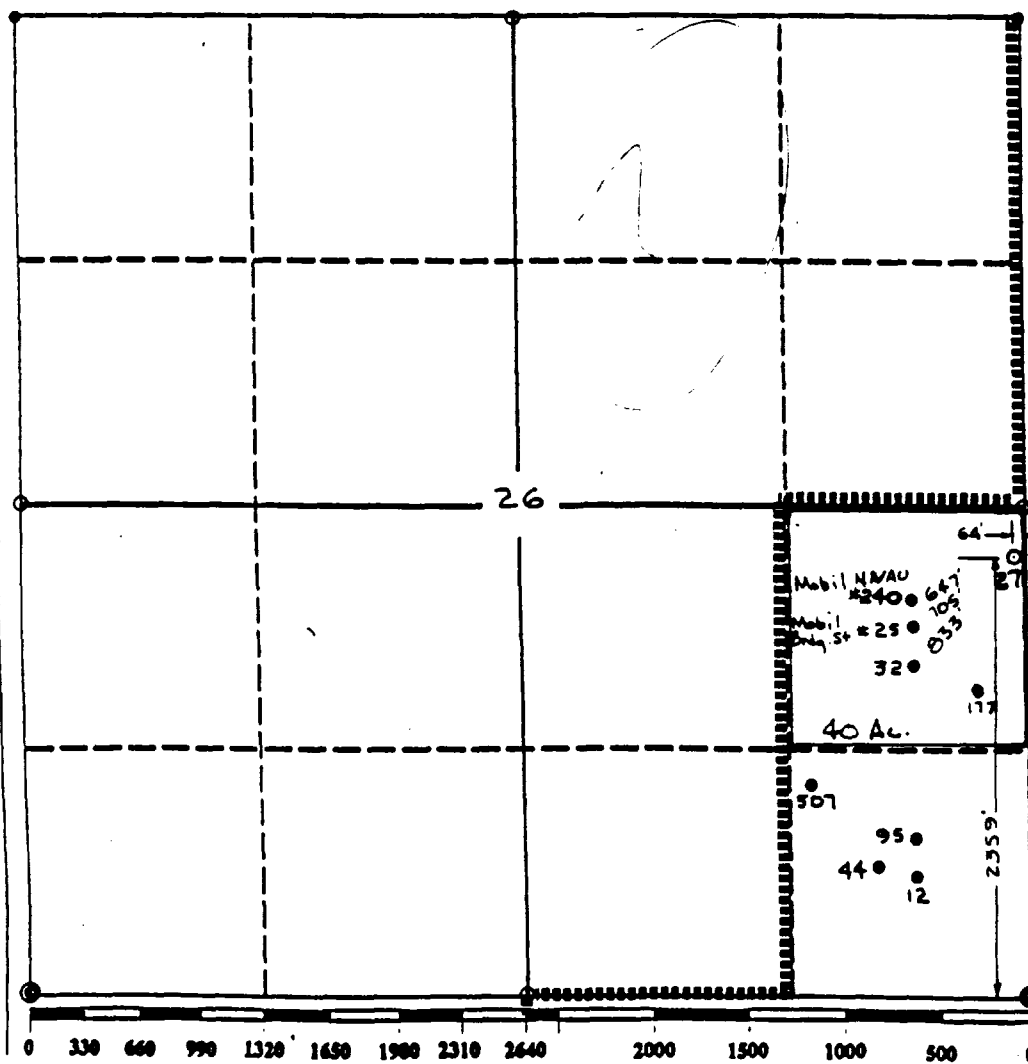
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 27
Unit Letter I	Section 26	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 2359 feet from the South line and 64 feet from the East line					
Ground level Elev. 4012	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 18, 1992
Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.
7254 J. S. Piper
Lea Co. FB. 7, Pg. 56

108 Vacuum Glorieta West Unit Location #2

PIPER SURVEYING COMPANY

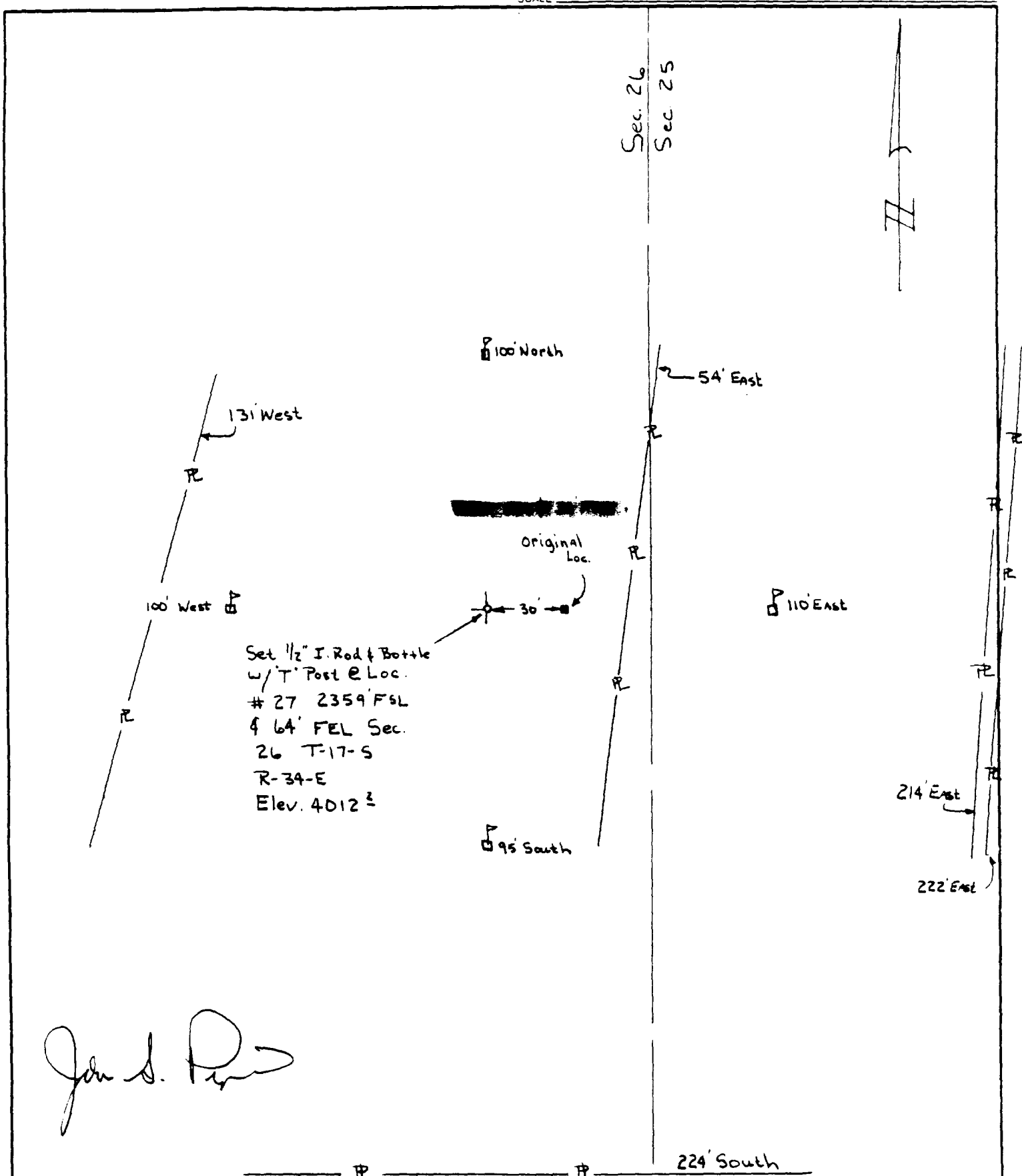
P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO 1 OF 1

CALCULATED BY O. Flores DATE 01/04/93

CHECKED BY D. Kelly DATE 01/04/93

SCALE 1"=50'





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

'93 JAN 21 AM 9:12
OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

1-19-93

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL Armeda
NSP _____
SWD _____
WFX _____
PMX _____

*Various plants listed #114 1011
511 35173
63 14 35173
77-I 35173
91-I 3517-34
106-C 3617 34
108-P 3617 34
121-11 1-18 30
122-2 318 35
123-C 3 35
124-A 6 13 35*

Gentlemen:

I have examined the application for the:

Service Export Procs Inc

Operator _____ Lease & Well No. Unit S-T-R

and my recommendations are as follows:

OK

Yours very truly,

[Signature]
Jerry Sexton
Supervisor, District 1

/ed



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

'93 FEB 11 AM 9 00

February 9, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Vacuum Glorieta West Unit
Well No. 106
Division Order No. R-9714
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

In reference to your letter dated February 4, 1993, this well was moved 2' to the east to be 10' off of the quarter section line. The new location of the well is 310' FSL and 2630' FEL of section 36, T-17-S, R-34-E. Attached is the amended plat and a "detail" drawing of the location.

Yours very truly,

C.P. Basham / cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc: OCD - Hobbs, NM

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 106
Unit Letter O	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 310 feet from the South line and 2630 feet from the East line					
Ground level Elev. 3992	Producing Formation Glorieta; Paddock		Pool Vacuum 3Glorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

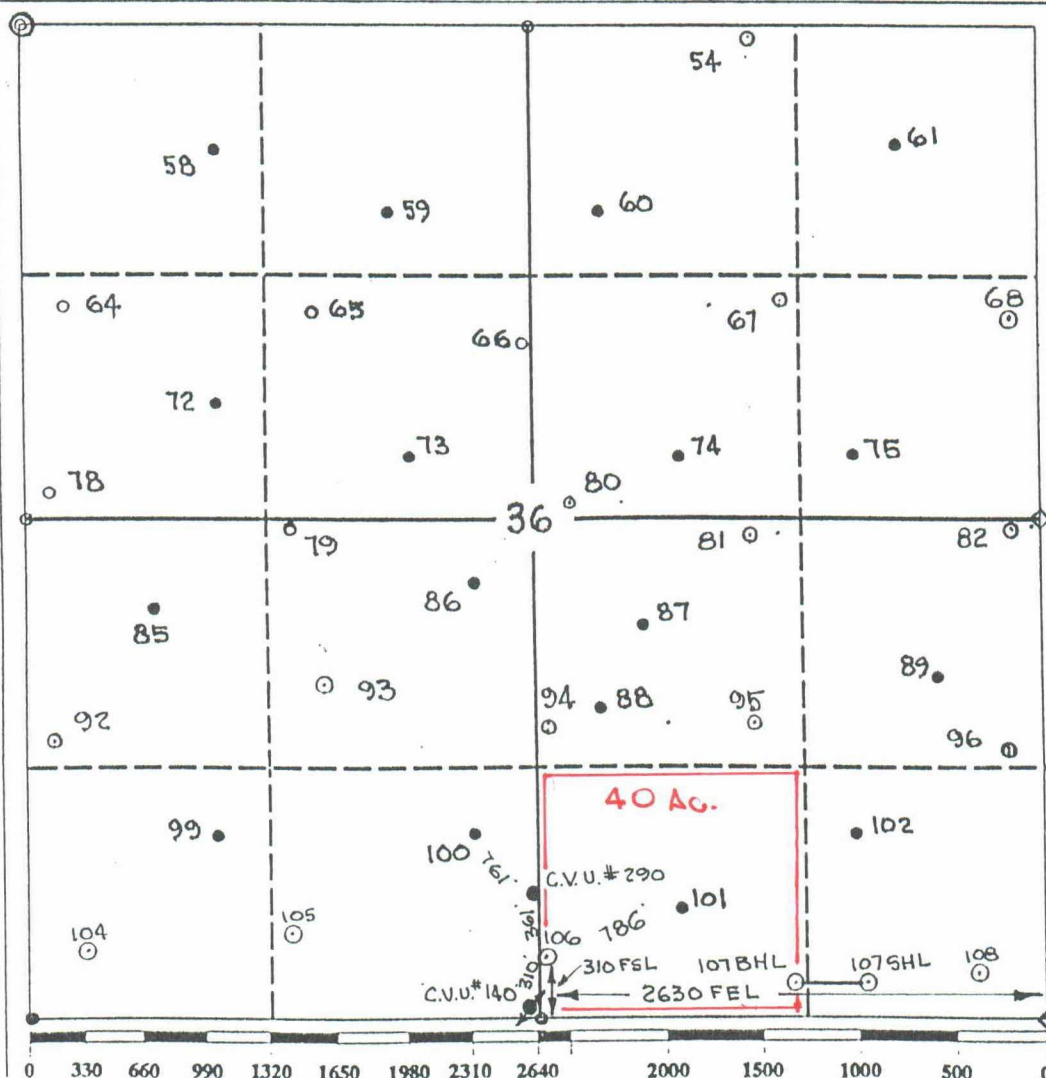
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

February 8, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

February 8, 1992

Signature & Seal of
Professional Surveyor

Certificate No.

7254 John S. Piper

Lea Co. F.B. 7, Pg. 48

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

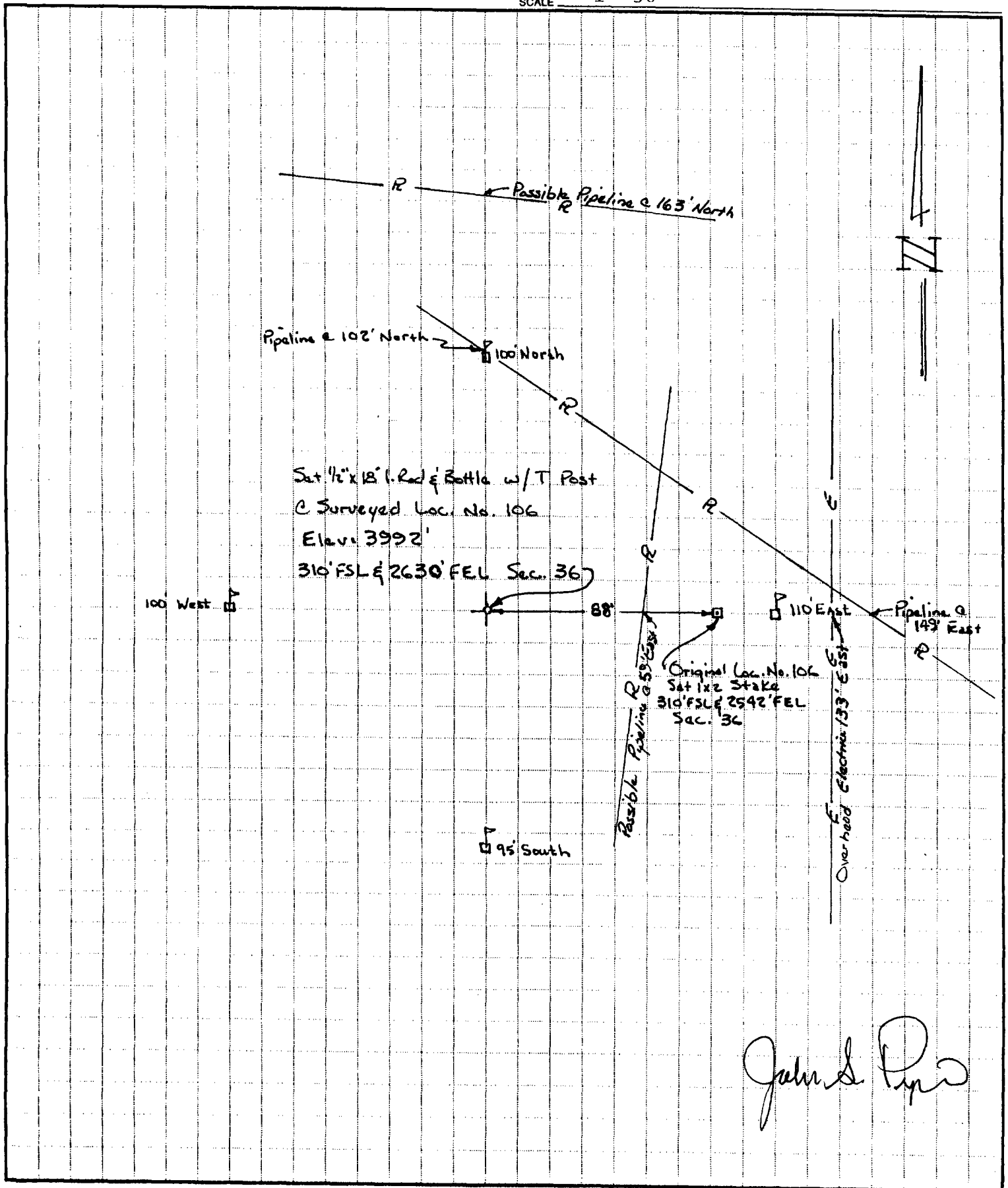
JOB Vacuum Glorieta West Unit Location #106

SHEET NO. 1 OF 1

CALCULATED BY Dow E Kelly DATE 01/07/93

CHECKED BY J. Stan Piper DATE 01/07/93

SCALE 1"=50'





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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 4, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Application to amend an injection well
location approved by Division Order No.
R-9714. Vacuum-Glorieta West Unit
Well No. 106.**

Dear Mr. Basham:

I am returning the subject application to you at this time. As you know, the rules of the Division (General Rule 104.F.(1)) do not allow for the drilling of wells within 10 feet of section lines, quarter-section lines, quarter-quarter section lines or lot lines.

This application will not be considered under any circumstances until the well location is moved a minimum of ten feet off of the quarter section line separating the SE/4 and SW/4 of Section 36. At that time, the Division will reconsider your request.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner".

Michael E. Stogner

MES/amg

cc: Oil Conservation Division - Hobbs



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

CONSERVATION DIVISION

RECEIVED

JAN 10 1993

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,

~~106~~, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, ~~106~~, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

OLD
LOCATION
Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

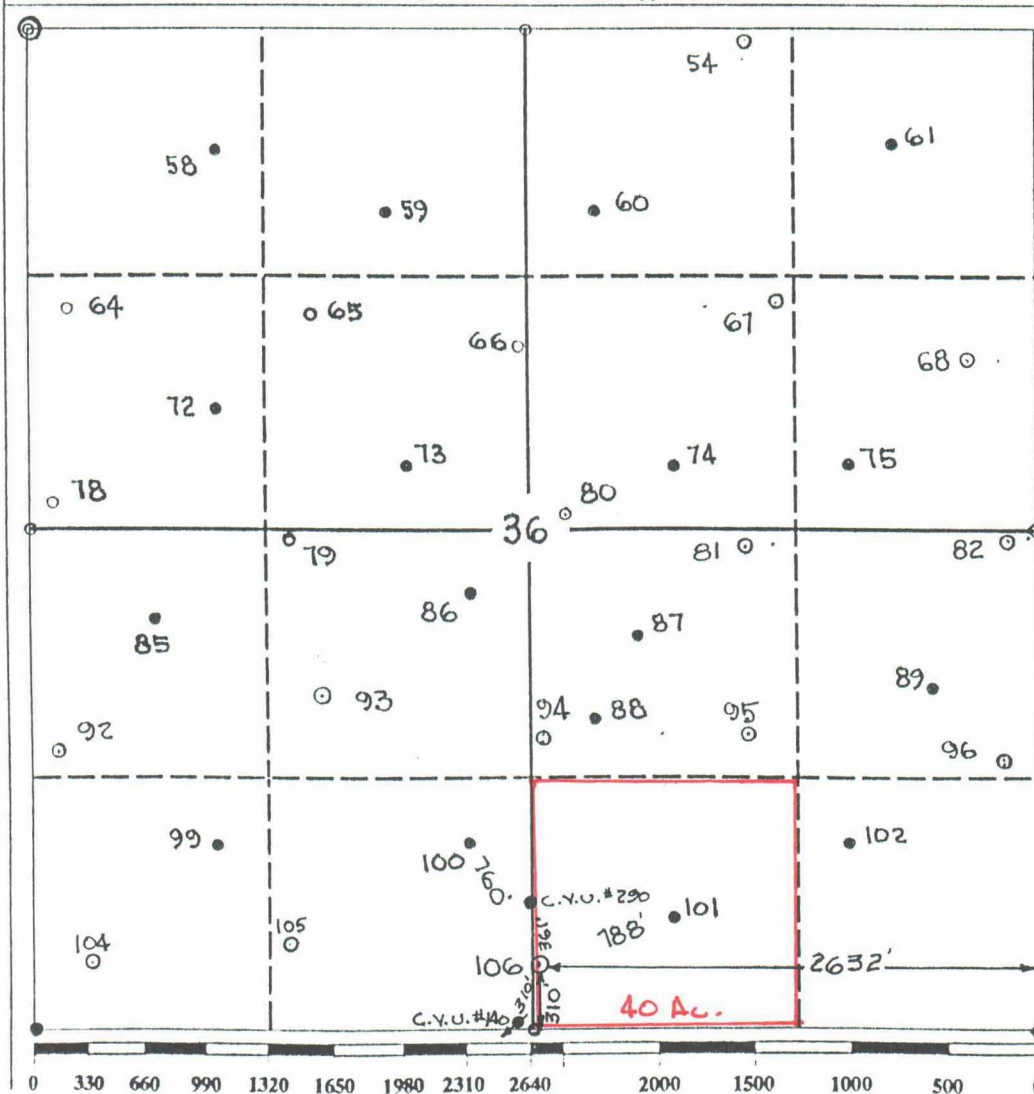
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 106
Unit Letter O	Section 36	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 310 feet from the South line and 2632 feet from the East line					
Ground level Elev. 3992	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 18, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

RECEIVED

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

'93 FEB 16 AM 9 32

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC

DHC

NSL *X* *amend*

NSP

SWD

WFX

PMX

Gentlemen:

I have examined the application for the:

Levaco Expl. & Prod. Inc. Vacuum Glorieta West Unit #106-0
Operator Lease & Well No. Unit S-T-R *36-17-34*

and my recommendations are as follows:

OK

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

February 4, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

**RE: Application to amend an injection well
location approved by Division Order No.
R-9714. Vacuum-Glorieta West Unit
Well No. 106.**

Dear Mr. Basham:

I am returning the subject application to you at this time. As you know, the rules of the Division (General Rule 104.F.(1)) do not allow for the drilling of wells within 10 feet of section lines, quarter-section lines, quarter-quarter section lines or lot lines.

This application will not be considered under any circumstances until the well location is moved a minimum of ten feet off of the quarter section line separating the SE/4 and SW/4 of Section 36. At that time, the Division will reconsider your request.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael E. Stogner", with a long, sweeping horizontal line extending to the right across the page.

Michael E. Stogner

MES/amg

cc: Oil Conservation Division - Hobbs



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

RECEIVED
N DIVISION
JAN 13 1993

January 13, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 27, 50, 63, 77, 91, 105,

~~106~~, 108, 121, 122, 123, and 124

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 27, 50, 91, 105, ~~106~~, 108, 121, 122, and 123 were moved because of pipelines. Well Nos. 63 and 124 were moved because of electric lines. Well No. 77 was moved to clear Phillip's M. E. Hale Well No. 16.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwh

C. P. Basham

Drilling Operations Manager

CWH:

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 106
Unit Letter 0	Section 36	Township 17-South	Range 34-East	County NMPM Lea	
Actual Footage Location of Well: 310 feet from the South line and 2632 feet from the East line					
Ground level Elev. 3992		Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

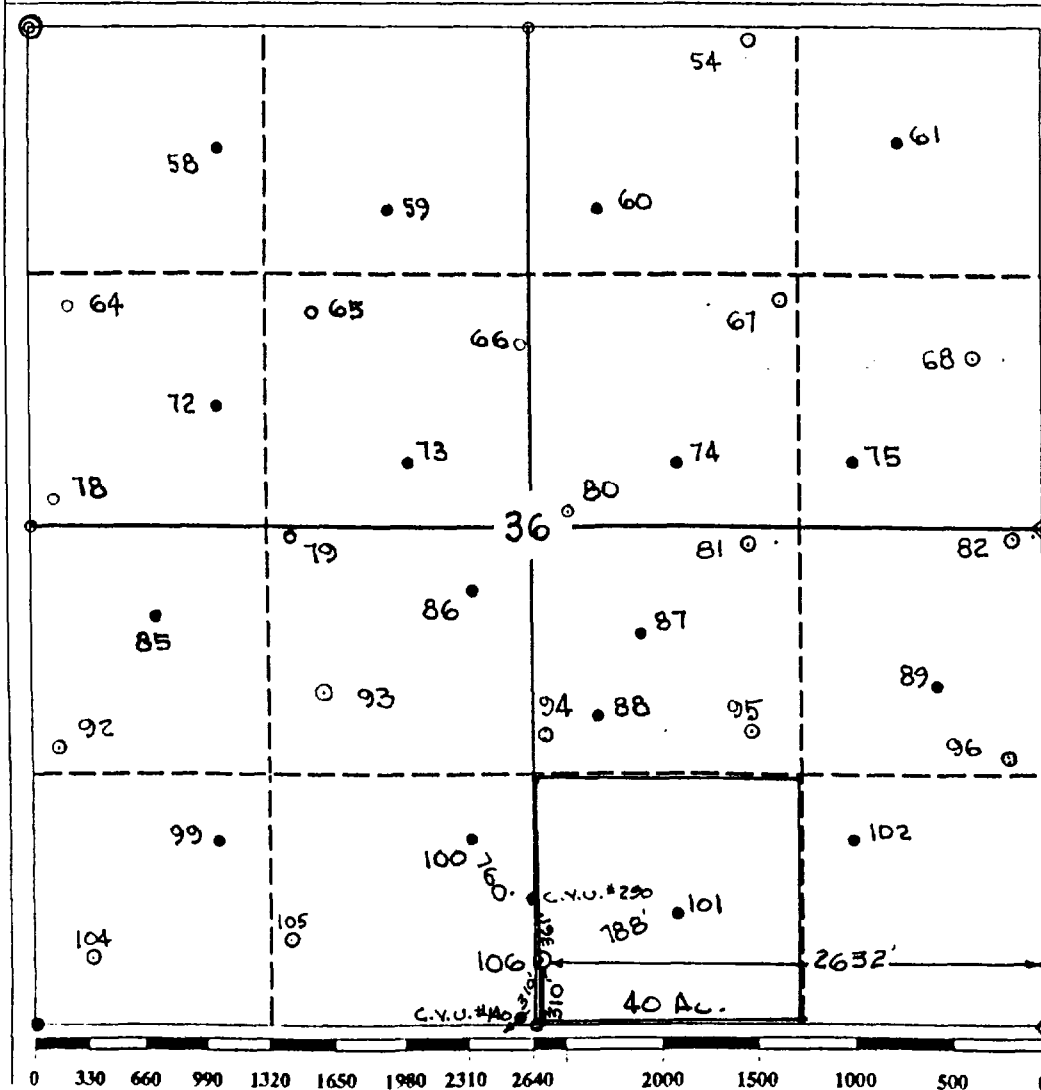
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

January 7, 1993

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 18, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

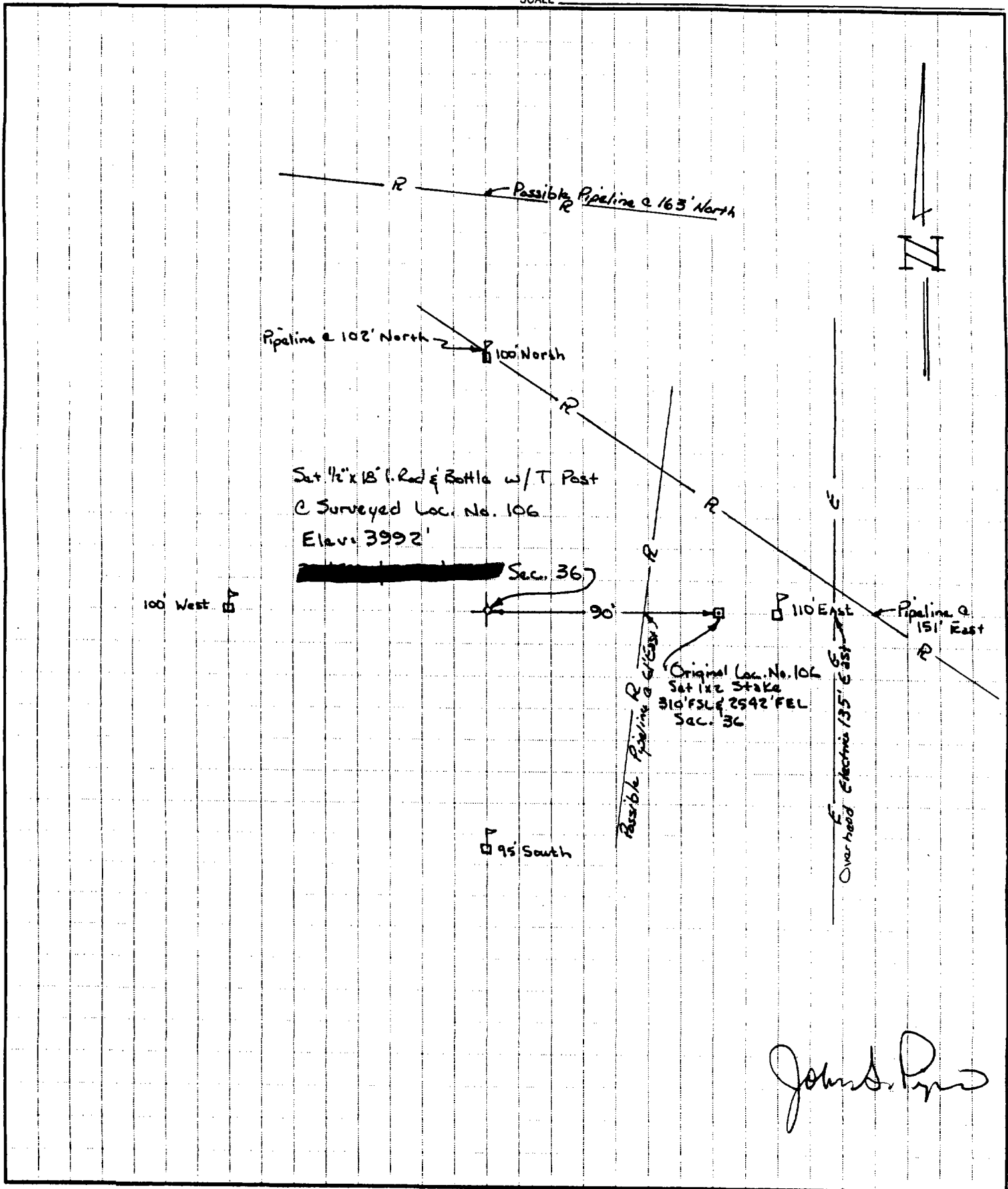
Certificate No.

7254 John S. Piper

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 1
CALCULATED BY Dow E Kelly DATE 01/07/93
CHECKED BY J. Stan Piper DATE 01/07/93
SCALE 1"=50'





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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

January 15, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C. P. Basham, Drilling Operations Manager

*RE: Administrative Amendment to
Division Order No. R-9714.*

Dear Mr. Basham:

Reference is made to your letters dated December 2, 16, and 21, 1992 and January 6, 1993 requesting exceptions, pursuant to Division General Rule 104.F(1), to seven certain injection well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations of seven particular wells due to minor difficulties encountered when actually staking the locations.

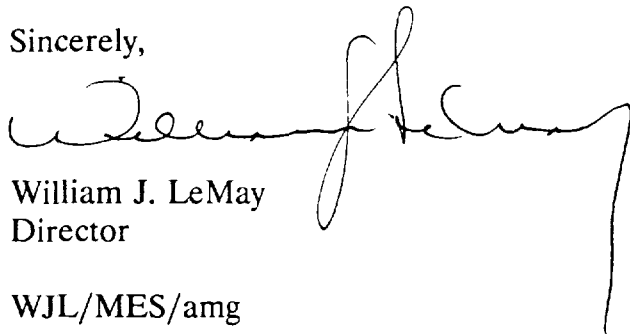
By the authority granted me under the provisions of General Rule 104.F. the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

Texaco Exploration and Production
Attention: C. P. Basham
January 15, 1993
Page 2

<u>Lease Name</u>	<u>Corrected Footage Location</u>	<u>U-L-S-T-R</u>	<u>VGWU Well No.</u>
Swiggart	2520' FSL - 153' FEL	I-25-17S-34E	31
NM "N" State	1114' FSL - 41' FWL	M-30-17S-35E	42
NM "Q" State	51' FNL - 1588' FEL	B-36-17S-34E	54
NM "N" State	146' FSL - 128' FEL	P-25-17S-34E	55
NM "O" State	2521' FSL - 1503' FEL	J-36-17S-34E	81
NM "O" State NCT-1	1534' FSL - 1521' FEL	J-36-17S-34E	95
NM "O" State NCT-1	1427' FSL - 183' FEL	I-36-17S-34E	96

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,



William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
File: Case No. 10516 ✓
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach



Texaco USA
Producing Department
Midland Division

P.O. Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

1993 JAN 11 AM 9 07

January 6, 1993

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit
Well No. 42
Division Order No. R-9714
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

In reference to your letter dated January 4, 1993, the correct location for Well No. 42 is 1114' FSL and 41' FWL of section 30, T-17-S, R-35-E. Please reference our letter dated December 21, 1992 and the Form C-102 dated December 16, 1992 (copy attached).

Yours very truly,

C. P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh



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



BRUCE KING
GOVERNOR

January 4, 1993

ANITA LOCKWOOD
CABINET SECRETARY

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

Texaco Exploration and Production, Inc.
P.O. Box 3109
Midland, Texas 79702-3109

Attention: C.P. Basham

*RE: Well Location Change for the Vacuum Glorieta
West Unit Well No. 42.
Division Order No. R-9714*

Dear Mr. Basham

I am in receipt of two different amendments for the referenced well (see copies attached).

Please confirm which is to be the correct location.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", with a long horizontal line extending to the right.

MICHAEL E. STOGNER
Chief Hearing Examiner/Engineer

MES/jc



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

December 21, 1992

'92 DEC 24 AM 10 11

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Vacuum Glorieta West Unit
Well Nos. 42, 81, 95, and 96
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 81 and 95 were moved because of pipelines. Well No. 96 was moved because of an electric line. Well No. 42, permitted December 4, 1992, had to be moved because an electric line.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C.P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. & PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 42
Unit Letter M	Section 30	Township 17-South	Range 35-East	County Lea	
Actual Footage Location of Well: 1114 feet from the South line and 41 feet from the West line					
Ground level Elev. 3990	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 37.59 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

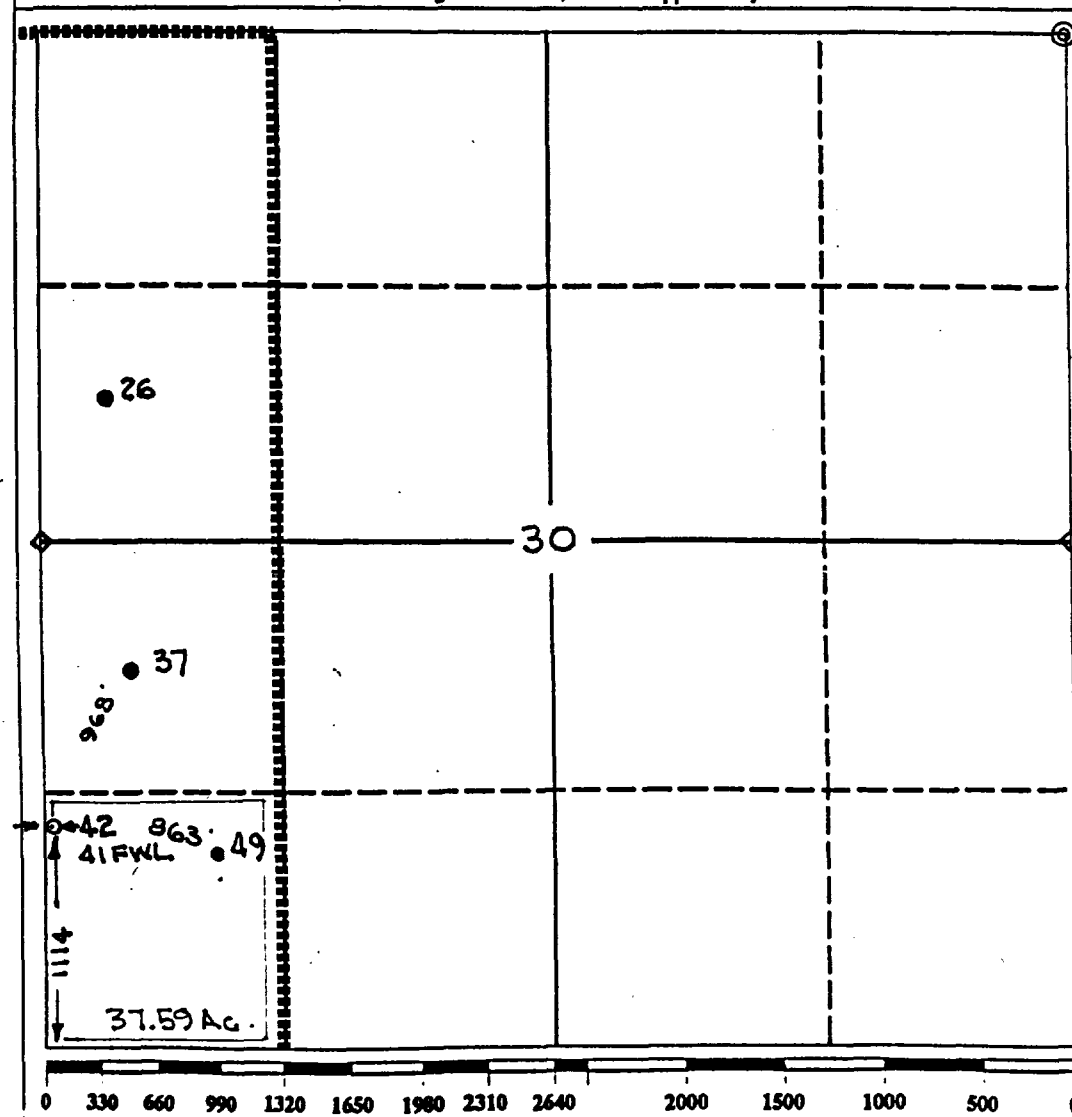
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation **Unitization**

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott / cwk

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

December 18, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 16, 1992

Signature & Seal of Professional Surveyor

John S. Piper

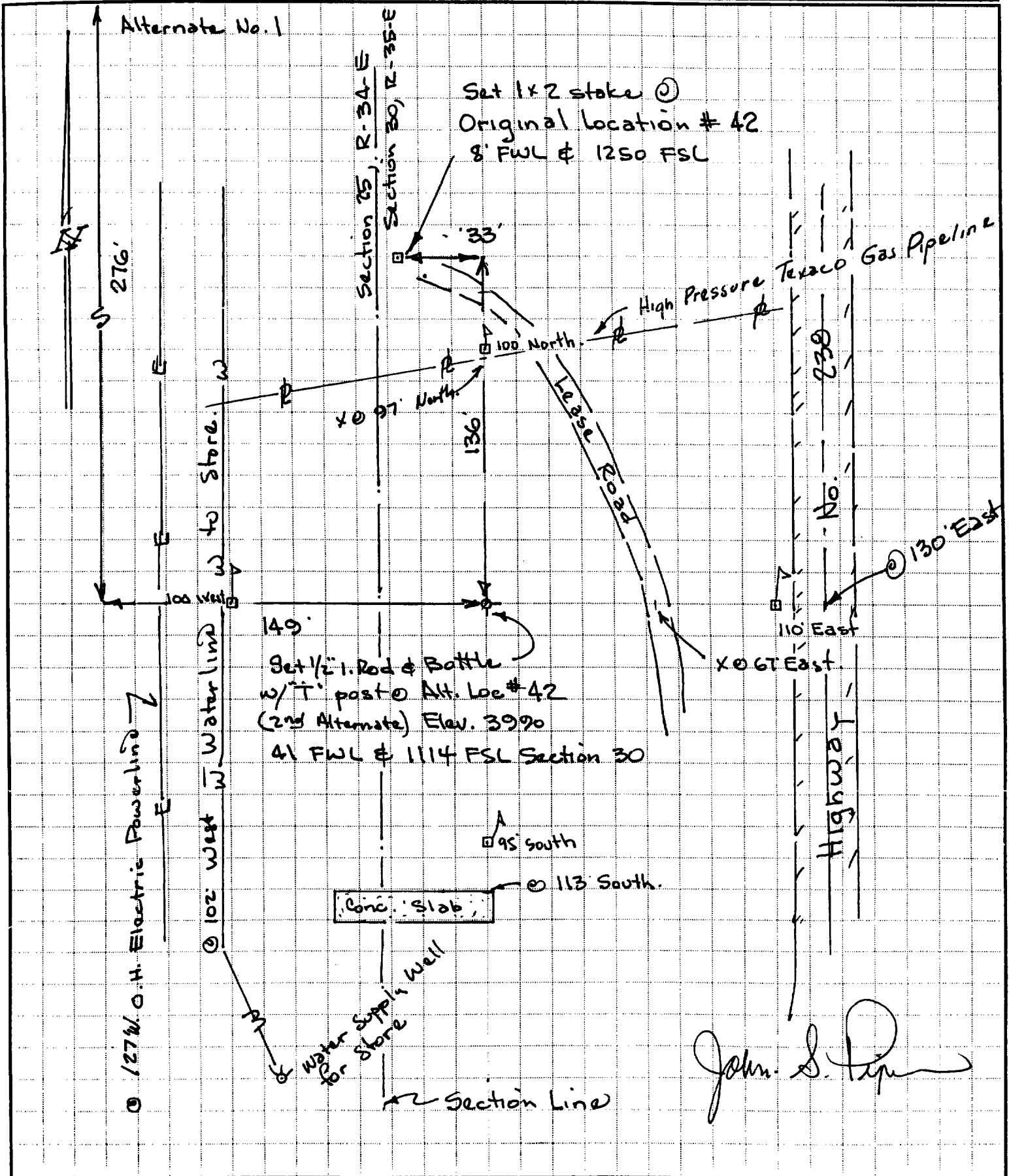
Certificate No.

7254 John S. Piper

Lea Co. FB. 6, Pg. 74

PIPER SURVEYING COMPANY
P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

JOB Vacuum Glorieta West Uint Loc. 42
SHEET NO. 1 OF 2
CALCULATED BY O. Flores DATE 12/14/92
CHECKED BY J.S. Piper DATE 12/14/92
SCALE 1"=50 Feet





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



BRUCE KING
GOVERNOR

January 4, 1993

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

ANITA LOCKWOOD
CABINET SECRETARY

Texaco Exploration and Production, Inc.
P.O. Box 3109
Midland, Texas 79702-3109

Attention: C.P. Basham

*RE: Well Location Change for the Vacuum Glorieta
West Unit Well No. 42.
Division Order No. R-9714*

Dear Mr. Basham

I am in receipt of two different amendments for the referenced well (see copies attached).

Please confirm which is to be the correct location.

Thank you.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", with a long horizontal flourish extending to the right.

MICHAEL E. STOGNER
Chief Hearing Examiner/Engineer

MES/jc



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

December 21, 1992

'92 DE 124 AM 10 11

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Vacuum Glorieta West Unit
Well Nos. 42, 81, 95, and 96
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 81 and 95 were moved because of pipelines. Well No. 96 was moved because of an electric line. Well No. 42, permitted December 4, 1992, had to be moved because an electric line.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C.P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

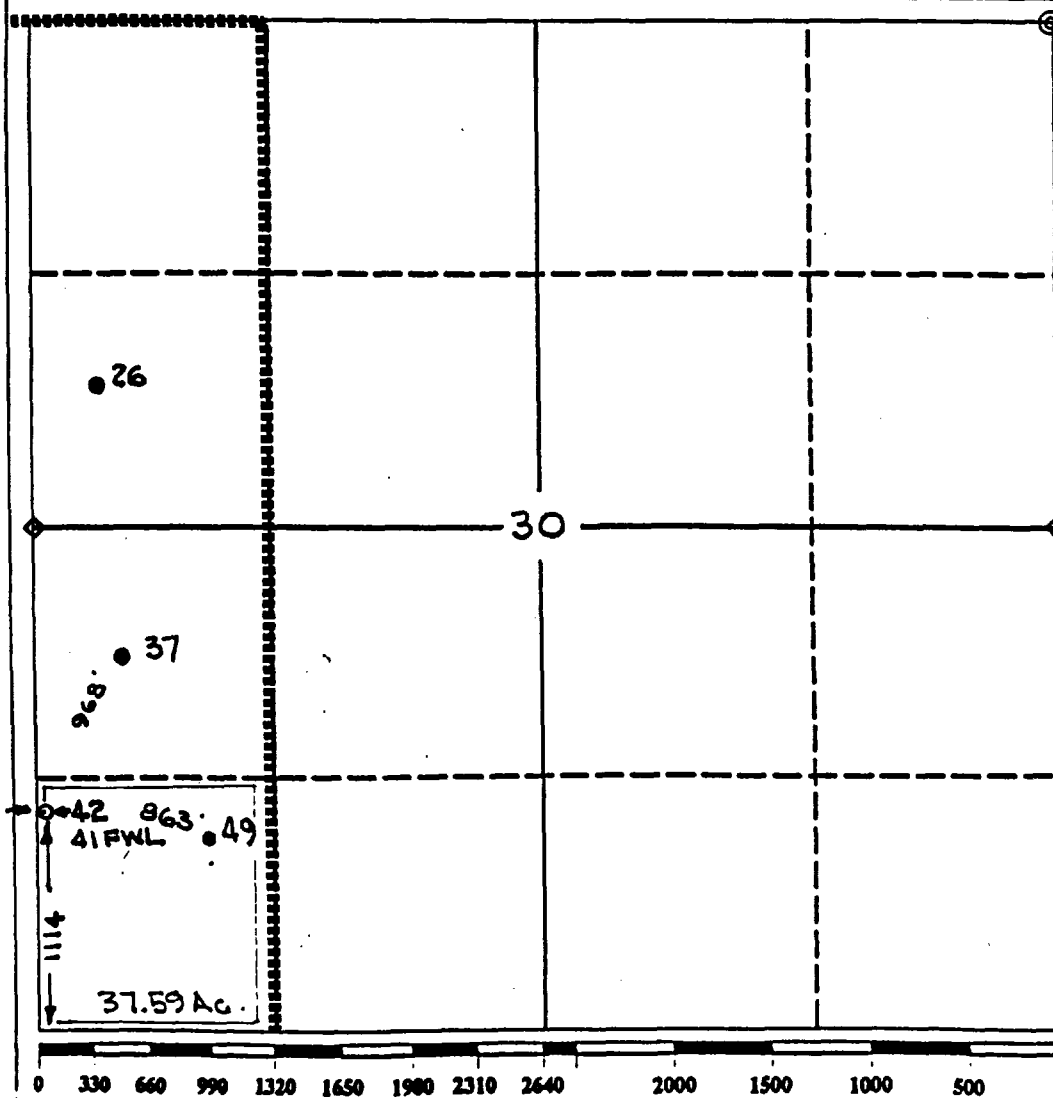
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. & PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 42
Unit Letter M	Section 30	Township 17-South	Range 35-East	County Lea	
Actual Footage Location of Well: 1114 feet from the South line and 41 feet from the West line					
Ground level Elev. 3990	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 37.59 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott/cwh
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 18, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 16, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810





OIL CONSERVATION DIVISION
REC'D

Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

'92 DE 4 AM 9 08

December 2, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 31, 42, 54, and 55

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. David R. Catanach

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well No. 31 was moved 25' West because of an electric line. Well No. 42 was moved 140' North and 198' West because of a building. Well No. 54 was moved 58' South and 105' East because of a buried pipeline. Well No. 55 was moved 32' South and 180' West because of a highway.

Attached are Forms C-102, showing the amended locations for each well.

Yours very truly,

C.P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

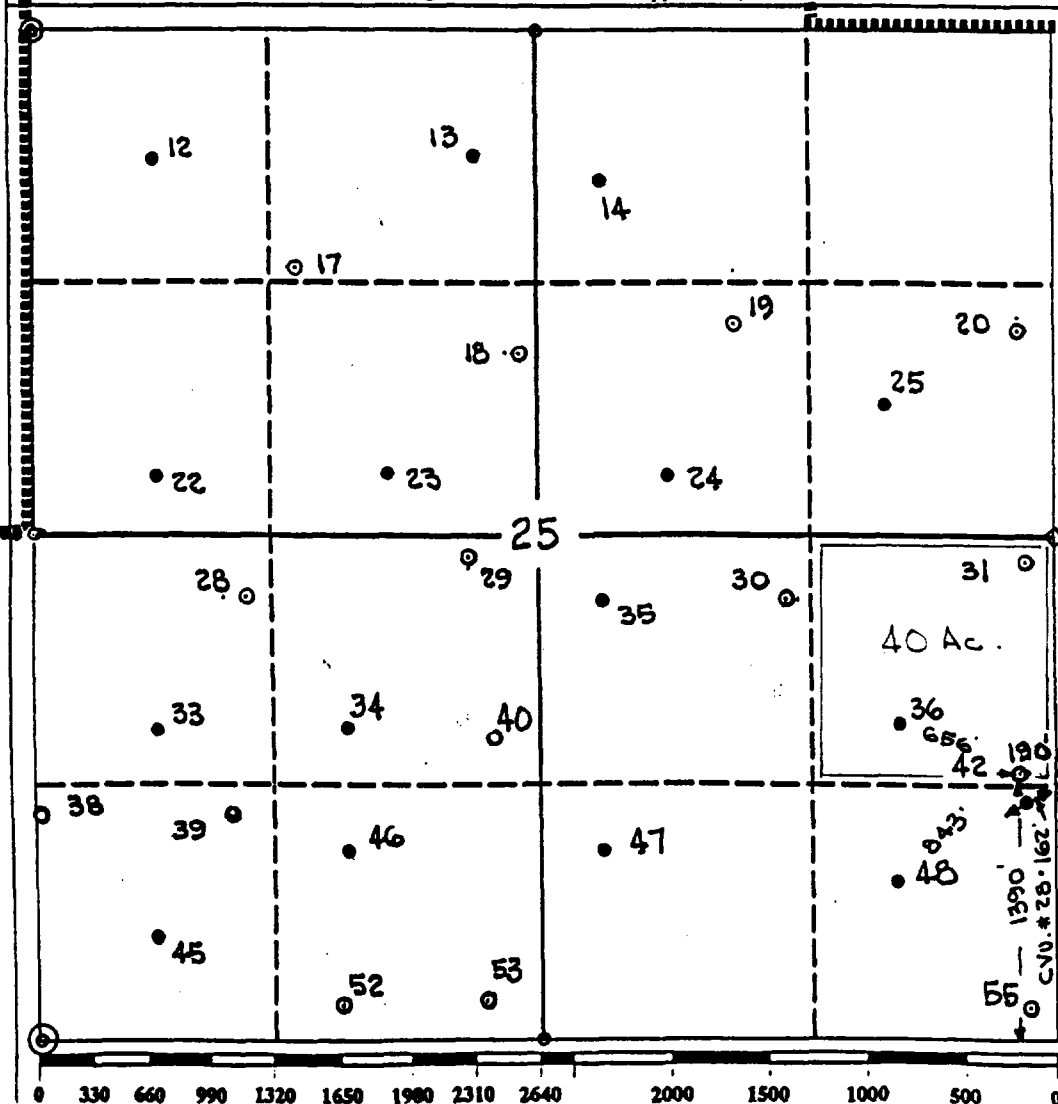
All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 42
Unit Letter I	Section 25	Township 17-South	Range 34-East	County NMPM Lea	

Actual Footage Location of Well:

1390 feet from the FSL line and		190 feet from the FEL line	
Ground level Elev. 3984	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature Royce D. Mariott
Printed Name **Royce D. Mariott**
Position **Division Surveyor**
Company **Texaco Expl. & Prod.**
Date **December 1, 1992**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes, actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **November 24, 1992**
Signature & Seal of Professional Surveyor

Joh L. Piper
Certificate No. **7254 J.S. Piper**



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

'92 DEC 17 AM 9 24

December 16, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Vacuum Glorieta West Unit
Well Nos. 31, 42, 54, and 55
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Attached are the "detailed plats" you requested in your letter dated December 8, 1992 concerning the captioned wells. If additional information is needed, please call C. Wade Howard at (915) 688-4606.

Yours very truly,

C.P. Basham / cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240



Texaco USA
Producing Department
Midland Division

P.O. Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

December 21, 1992

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GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 42, 81, 95, and 96

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 81 and 95 were moved because of pipelines. Well No. 96 was moved because of an electric line. Well No. 42, permitted December 4, 1992, had to be moved because an electric line.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C.P. Basham / cwh

C. P. Basham

Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

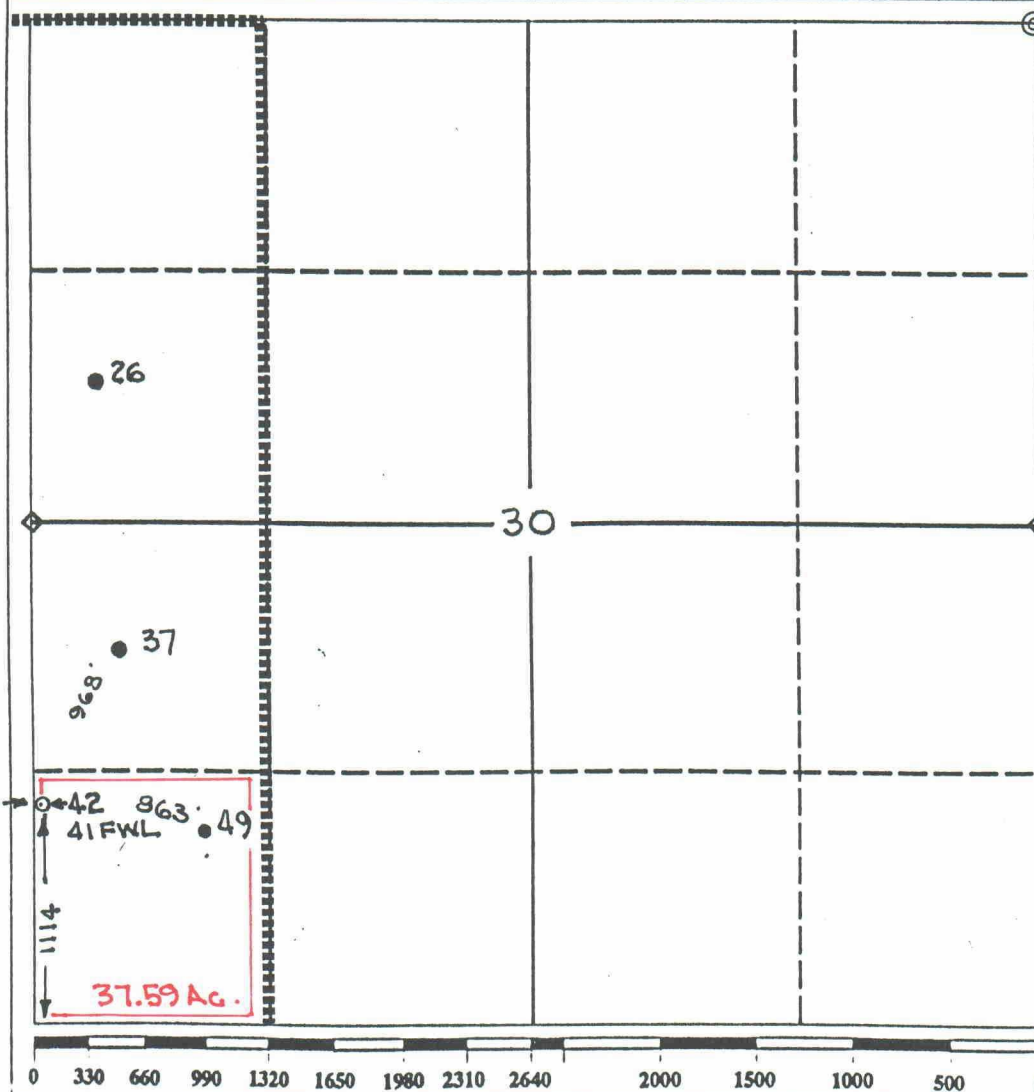
All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. & PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 42
Unit Letter M	Section 30	Township 17-South	Range 35-East	County Lea	

Actual Footage Location of Well:

1114 feet from the South line and 41 feet from the West line			
Ground level Elev. 3990	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 37.59 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
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No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott /cwk
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 18, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 16, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper

PIPER SURVEYING COMPANY

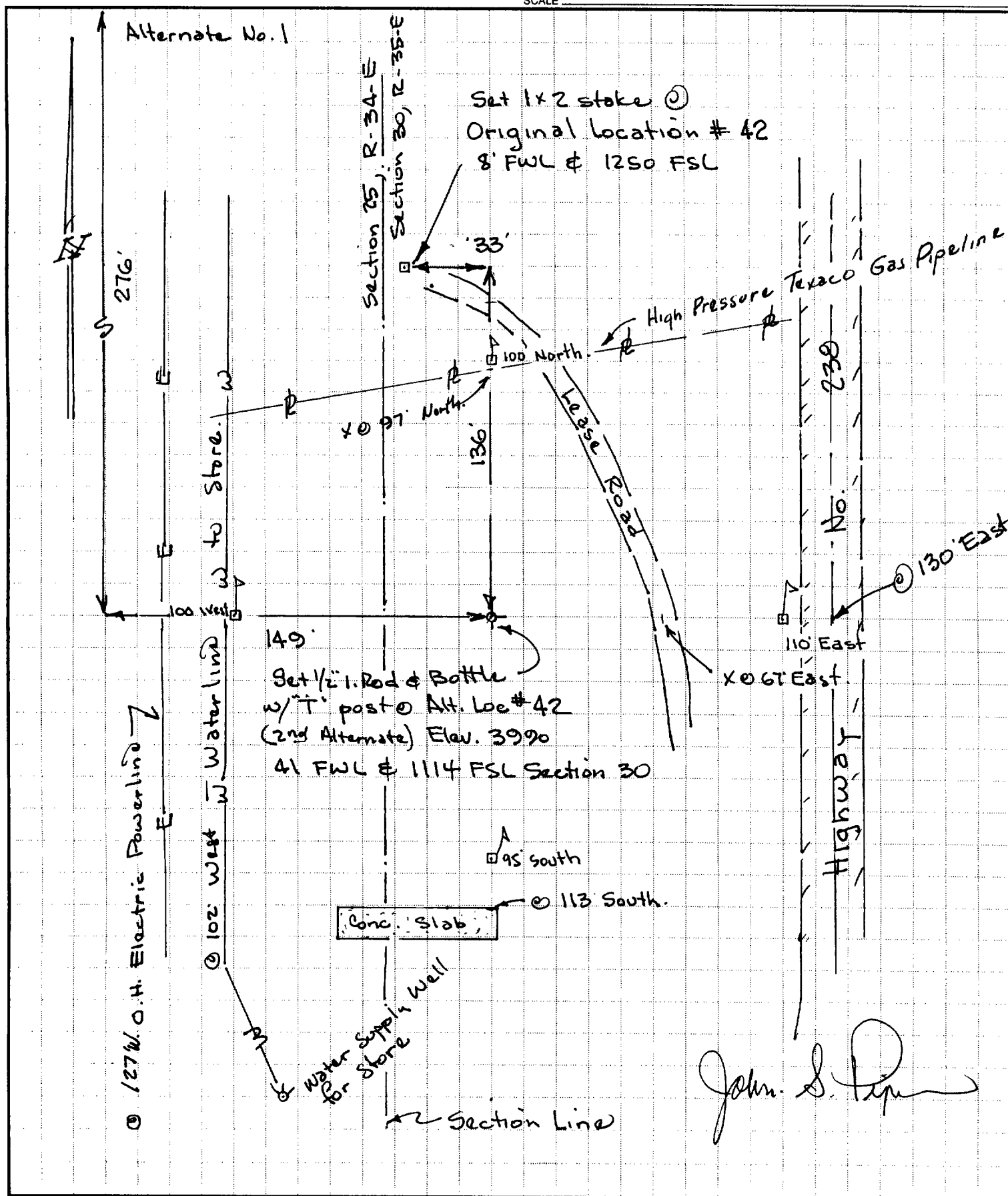
P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 2

CALCULATED BY O. Flores DATE 12/14/92

CHECKED BY J.S. Piper DATE 12/14/92

SCALE 1"=50 Feet 17



OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 81
Unit Letter J	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 2521 feet from the South line and 1503 feet from the East line					
Ground level Elev. 3991	Producing Formation Glorieta; Paddock		Pool Vacuum 3Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

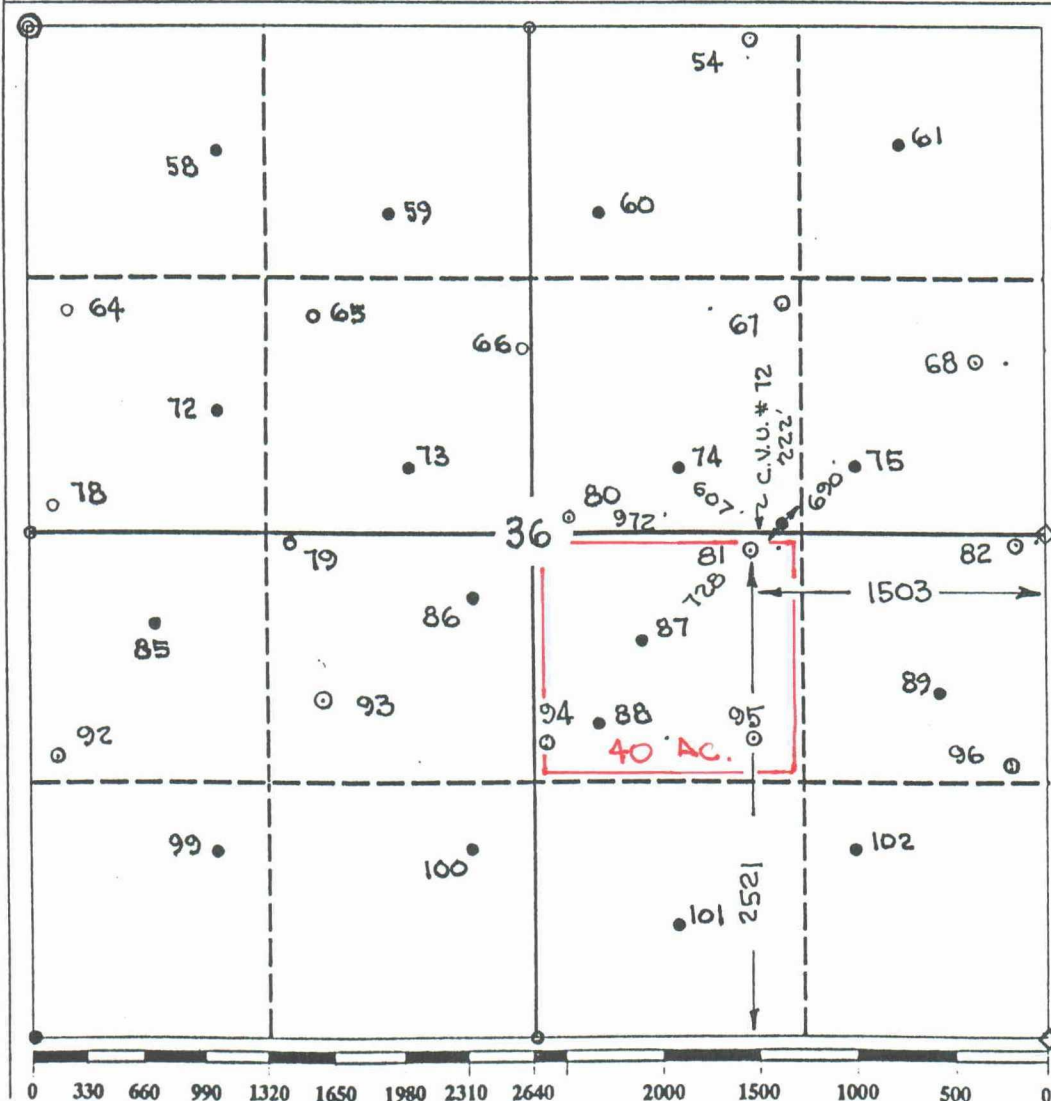
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 10, 1992

SURVEYOR CERTIFICATION

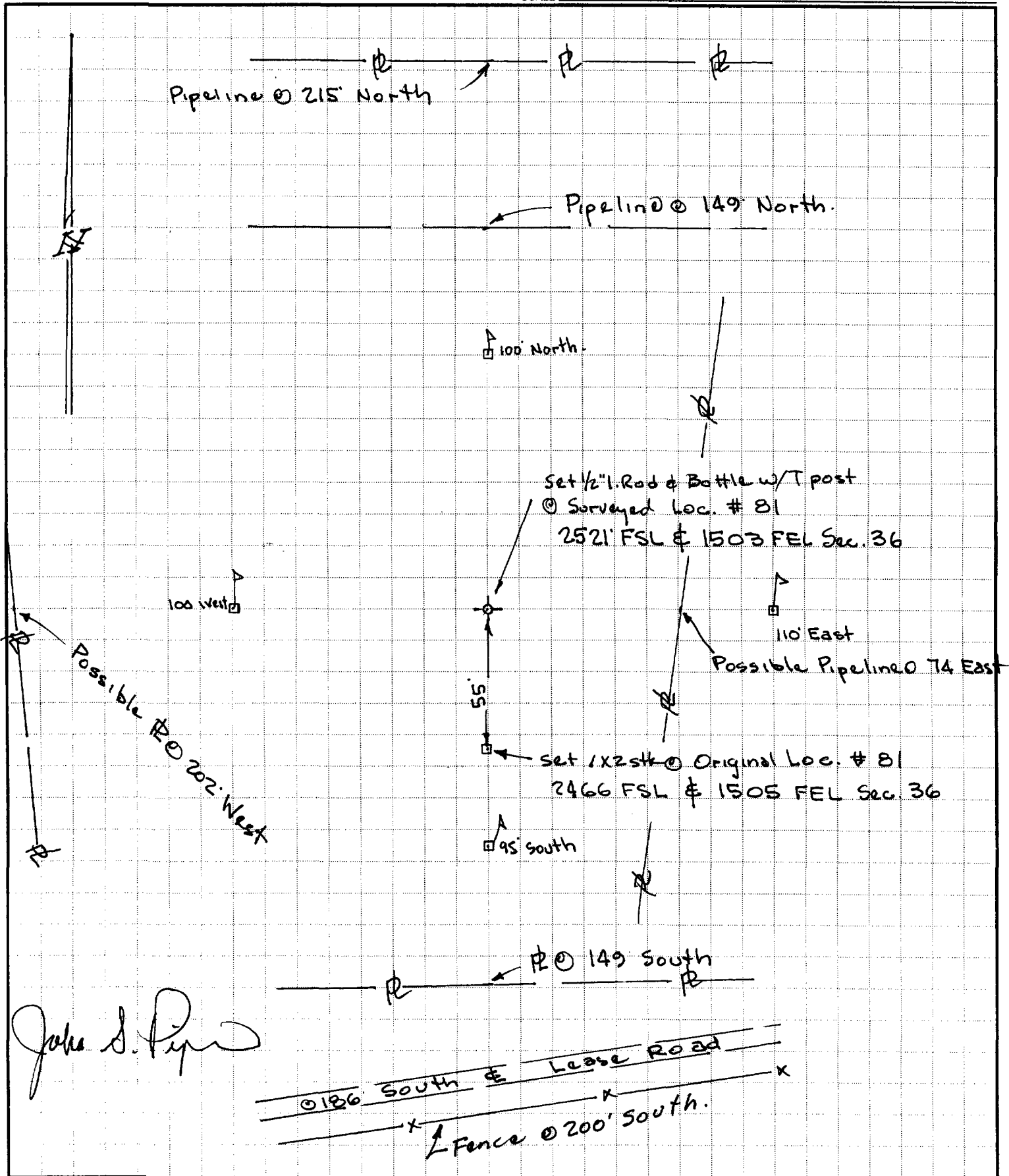
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 7, 1992
Signature & Seal of
Professional Surveyor
John S. Piper
Certificate No.
7254 John S. Piper
Lea Co. FB. 6, Pg. 71

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 2
CALCULATED BY O. Flores DATE 12/14/92
CHECKED BY J.S. Piper DATE 12/14/92
SCALE 1"=50 Feet



John S. Piper

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 95
Unit Letter J	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1534 feet from the South line and 1521 feet from the East line					
Ground level Elev. 3990	Producing Formation Glorieta; Paddock		Pool Vacuum EGlorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

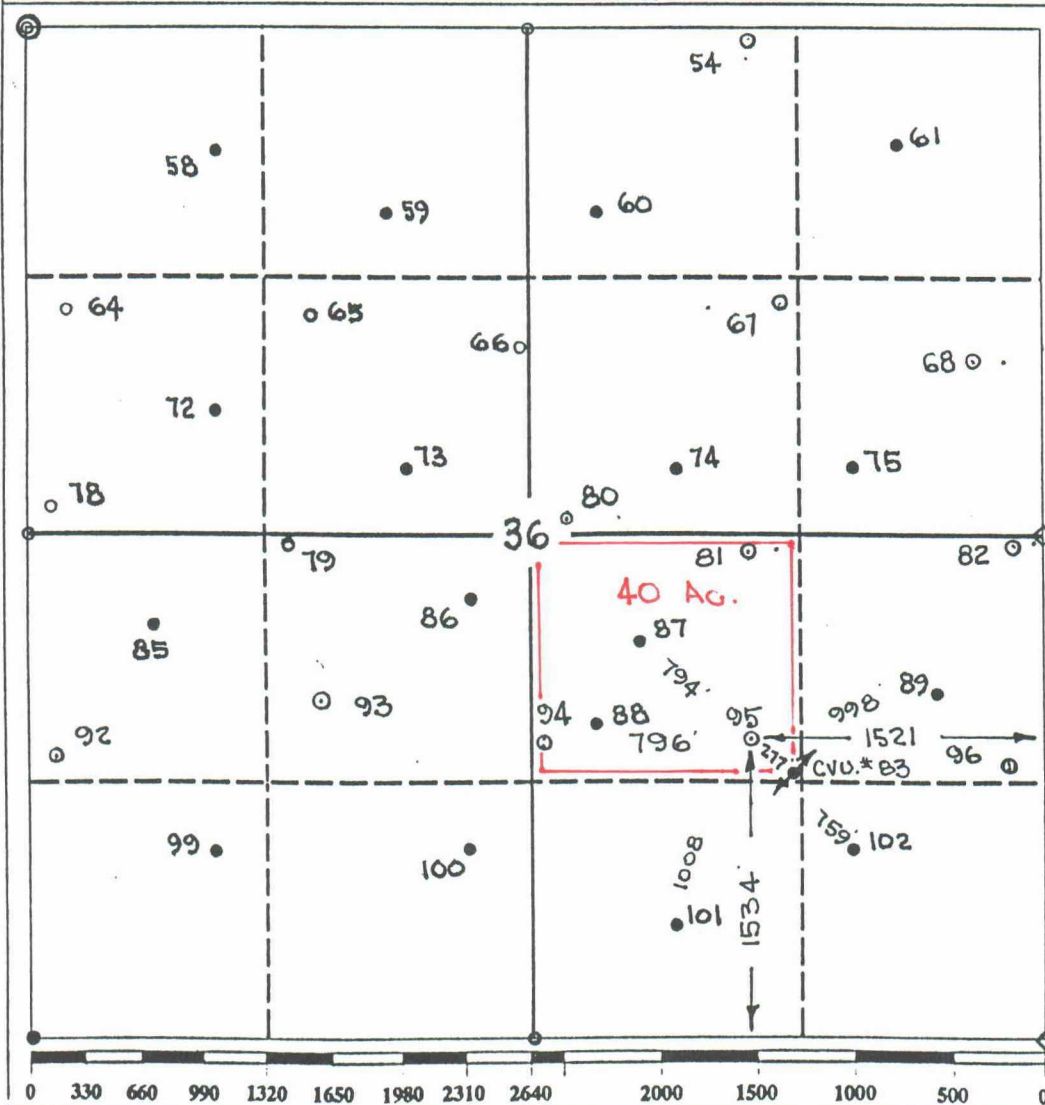
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

December 10, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 7, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

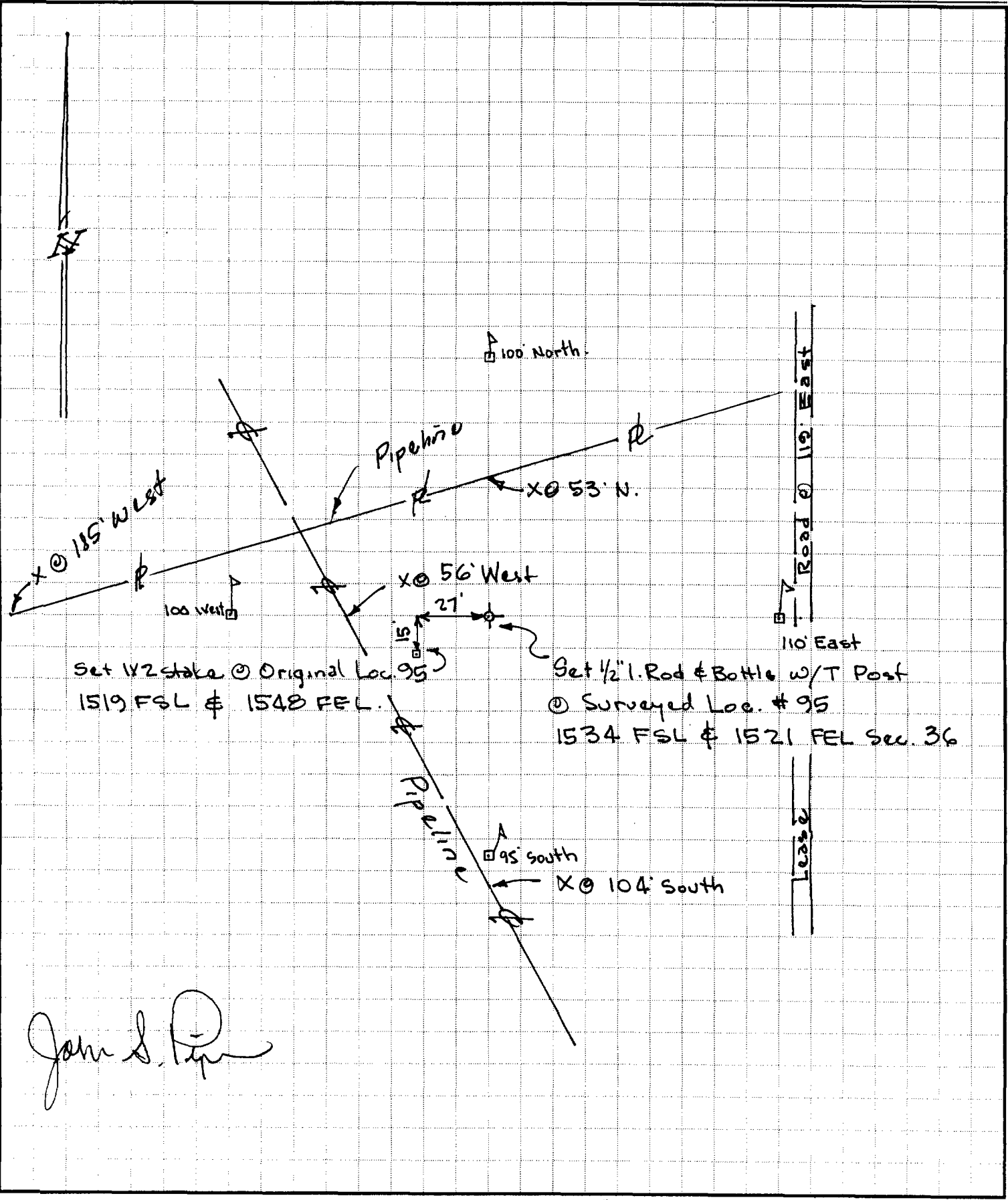
Certificate No.

7254 John S. Piper

Lea Co. FB. 6, Pg. 69

PIPER SURVEYING COMPANY
 P.O. Box 60432
 MIDLAND, TEXAS 79711
 (915) 550-7810

SHEET NO. 1 OF 2
 CALCULATED BY O. Flores DATE 12/14/92
 CHECKED BY J.S. Piper DATE 12/14/92
 SCALE 1"=50 Feet



OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 96
Unit Letter I	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1427 feet from the South line and 183 feet from the East line					
Ground level Elev. 3986	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

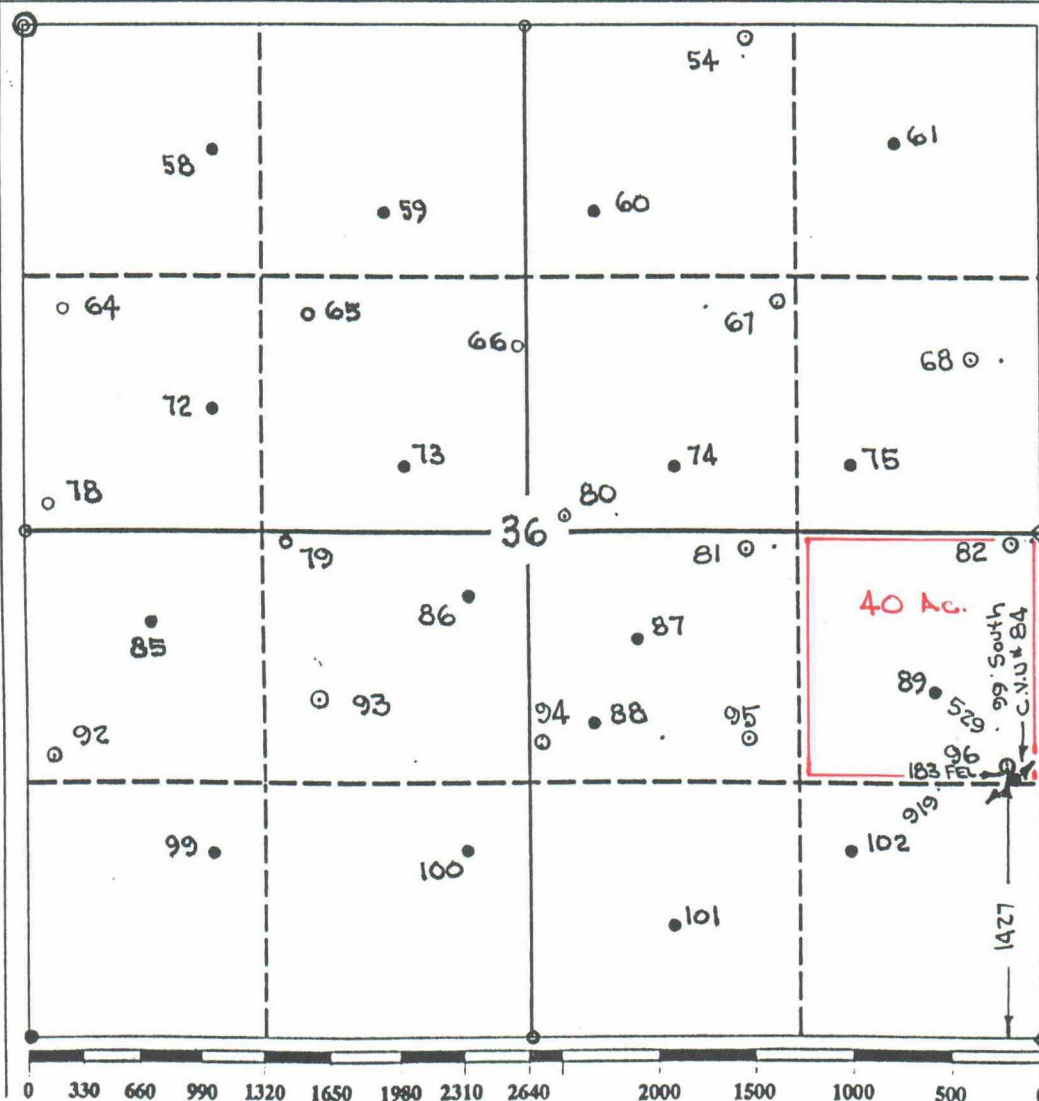
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

December 10, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 7, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

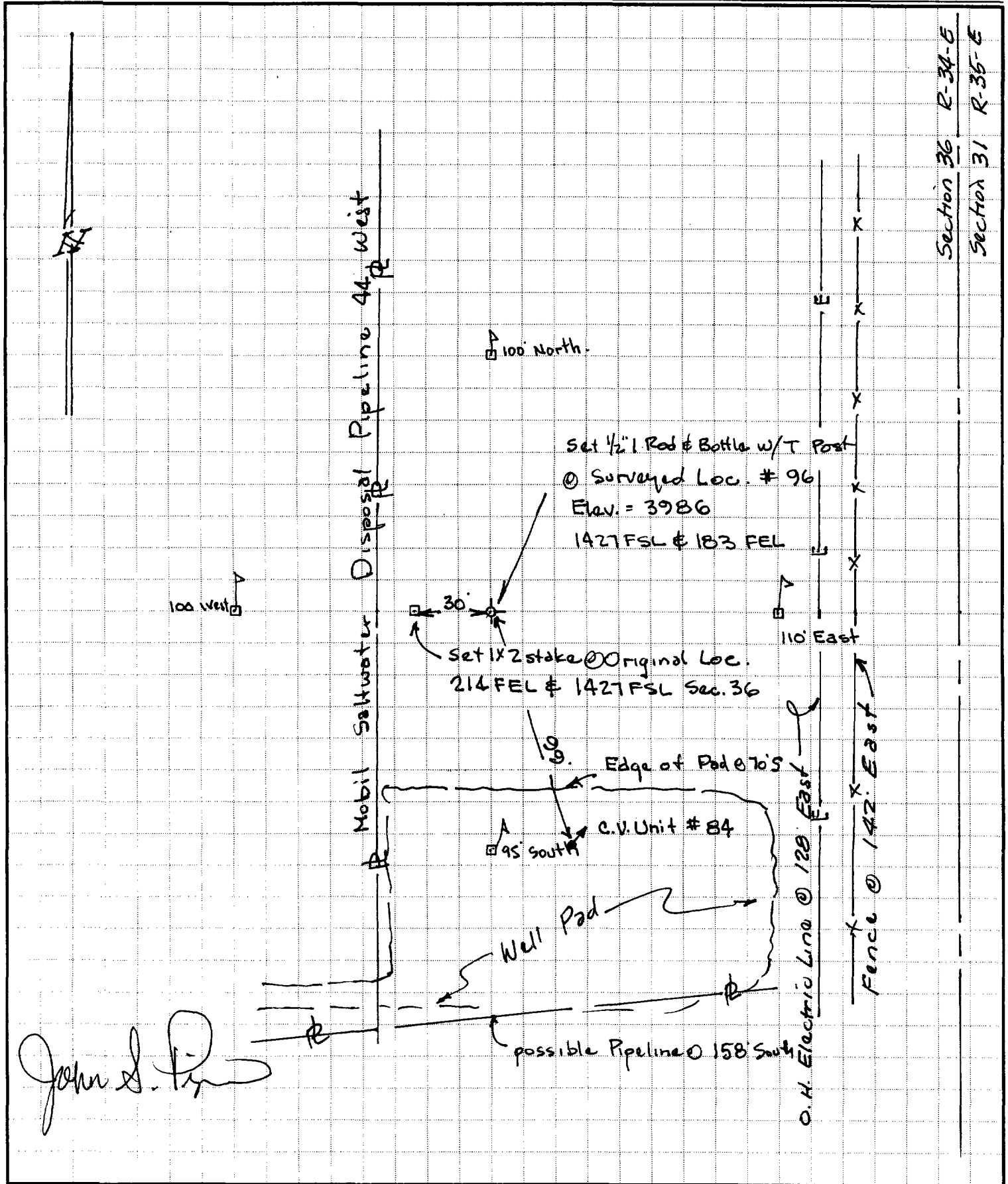
7254 John S. Piper

Lea Co. FB. 6, Pg. 70

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 2
CALCULATED BY O. Flores DATE 12/14/92
CHECKED BY J.S. Piper DATE 12/14/92
SCALE 1"=50 Feet





OIL CONSERVATION DIVISION
RECEIVED
JAN 4 AM 9 55

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

12-22-92

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL X amend
NSP _____
SWD _____
WFX _____
PMX _____

#81-J 36-17-34
#95-J 36-17-34
96-I 36-17-34
42-M 30-17-35 (formerly I-25-17-34)

Gentlemen:

I have examined the application for the:

Tevaco Expl. & Prod. Inc. Vacuum Blarina West Unit
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

Need letter approving wells to be moved

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed



Texaco USA
Producing Department
Midland Division

P.O. Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
REC-159

'92 DE 14 AM 9 08

December 2, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Vacuum Glorieta West Unit
Well Nos. 31, 42, 54, and 55
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. David R. Catanach

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well No. 31 was moved 25' West because of an electric line. Well No. 42 was moved 140' North and 198' West because of a building. Well No. 54 was moved 58' South and 105' East because of a buried pipeline. Well No. 55 was moved 32' South and 180' West because of a highway.

Attached are Forms C-102, showing the amended locations for each well.

Yours very truly,

C.P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

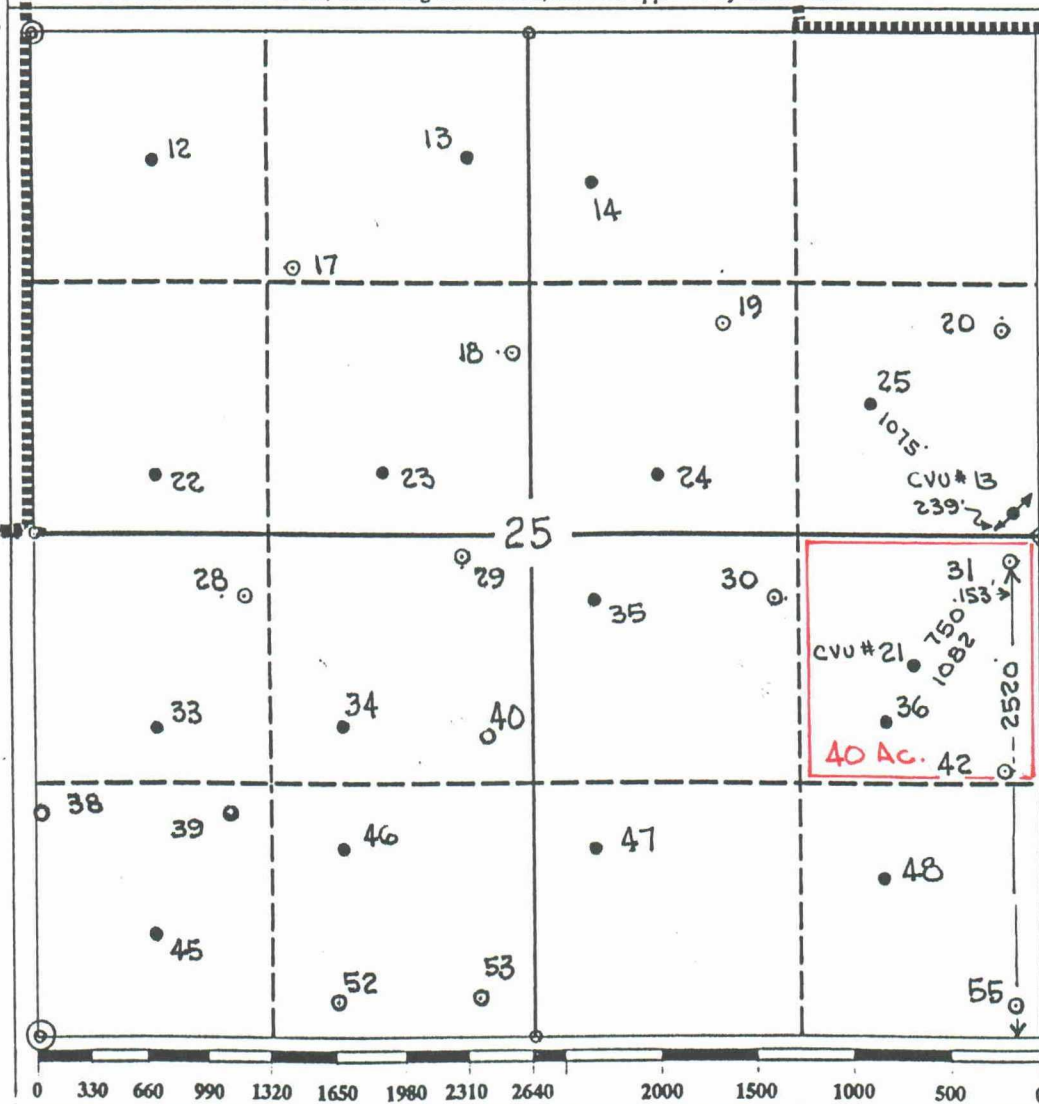
All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.		Lease VACUUM GLORIETA WEST UNIT		Well No. 31
Unit Letter I	Section 25	Township 17-South	Range 34-East NMPM	County Lea

Actual Footage Location of Well:

2520 feet from the FSL line and		153 feet from the FEL line	
Ground level Elev. 3982	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 1, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
November 24, 1992
Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.
7254 J.S. Piper
Lea Co. FB 6, pg. 54

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

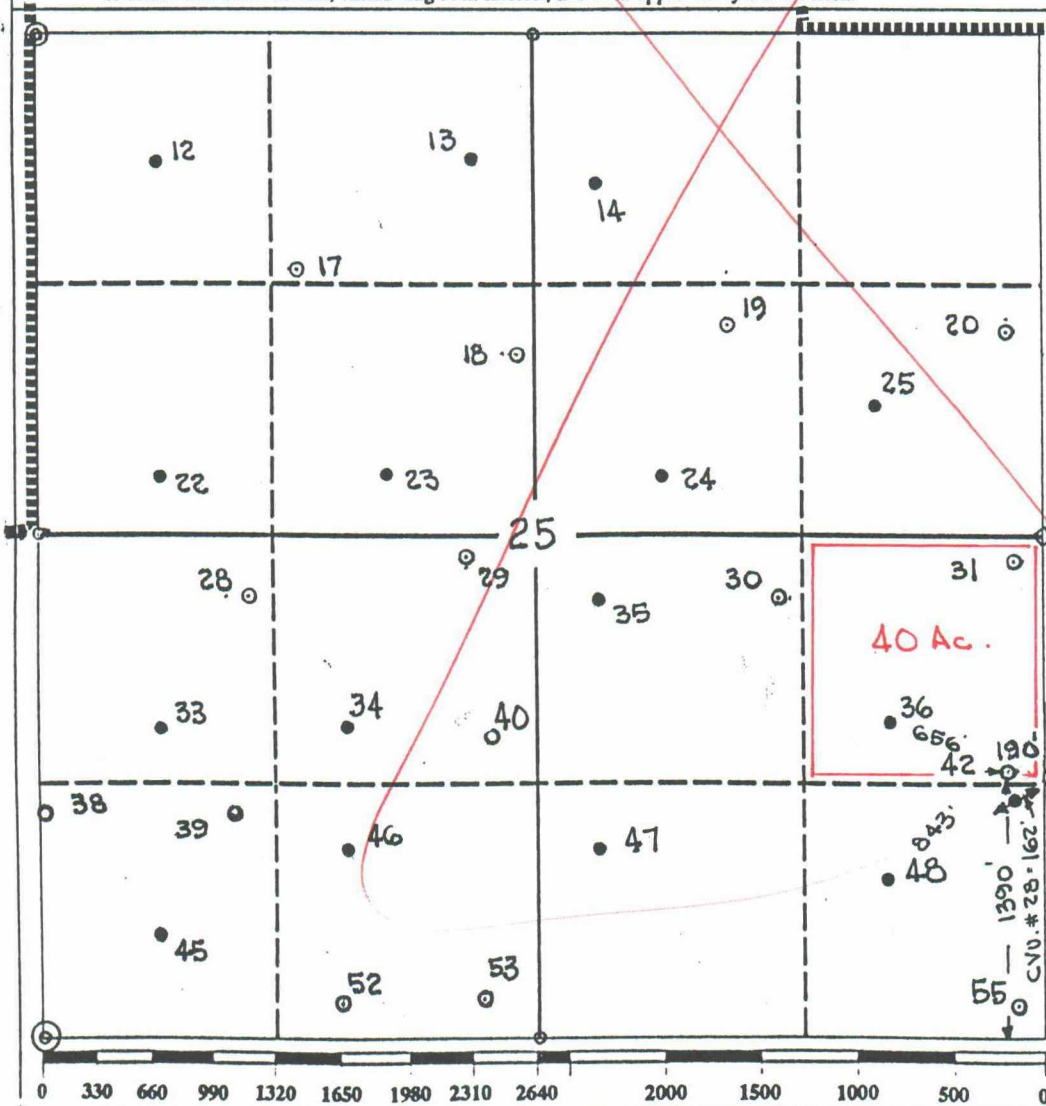
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 42
Unit Letter I	Section 25	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1390 feet from the FSL line and 190 feet from the FEL line					
Ground level Elev. 3984	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature Royce D. Mariott
Printed Name **Royce D. Mariott**
Position **Division Surveyor**
Company **Texaco Expl. & Prod.**
Date **December 1, 1992**

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed **November 24, 1992**
Signature & Seal of Professional Surveyor John S. Piper

Certificate No. **7254 J.S. Piper**
Lea Co. FB #6, pg 55

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

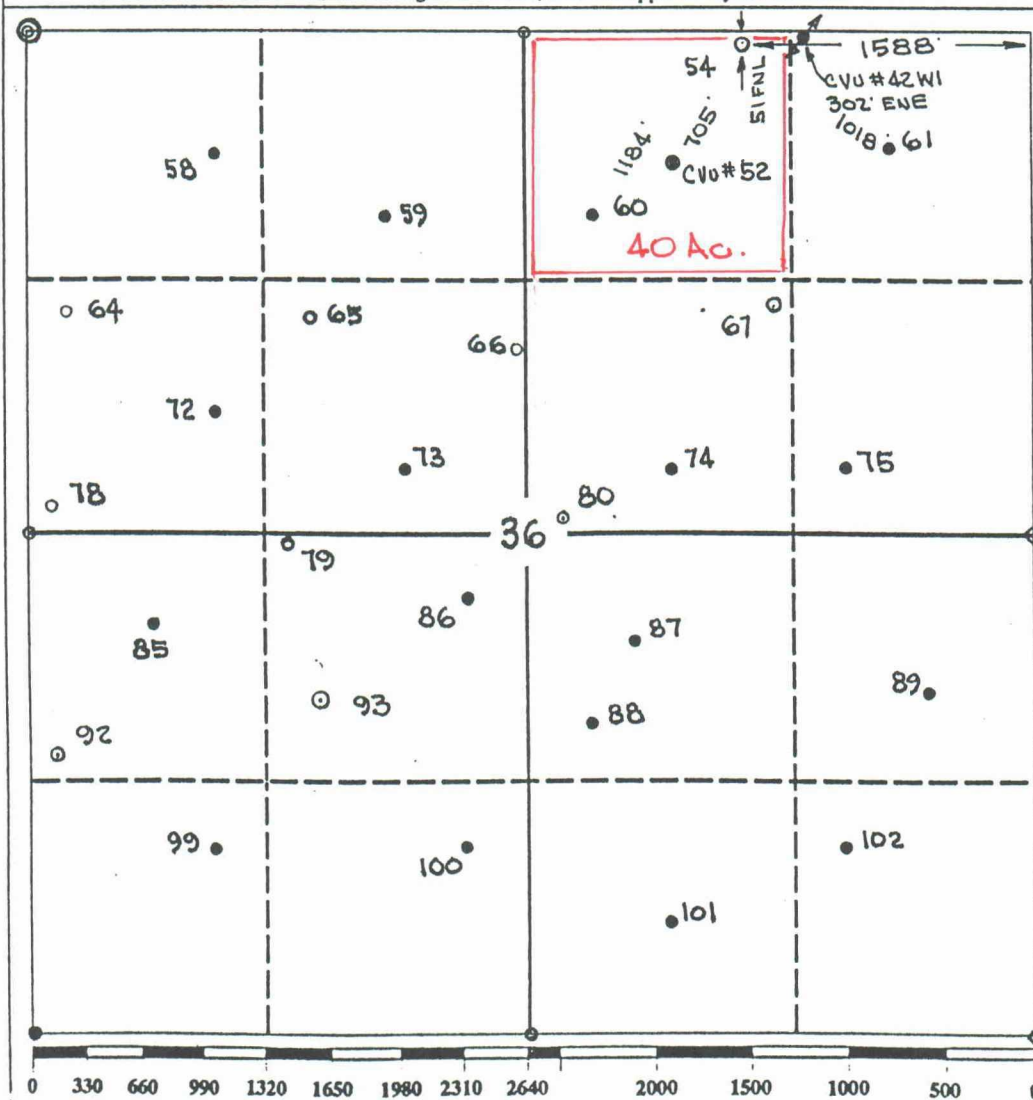
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 54
Unit Letter B	Section 36	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 51 feet from the FNL line and 1588 feet from the FEL line					
Ground level Elev. 3996	Producing Formation Glorieta; Paddock	Pool Vacuum EGlorieta Pool	Dedicated Acreage: 40 Acres		

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 1, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
November 24, 1992
Signature & Seal of
Professional Surveyor

Certificate No.
7254 John S. Piper

Lea Co. FB #6, pg. 59

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

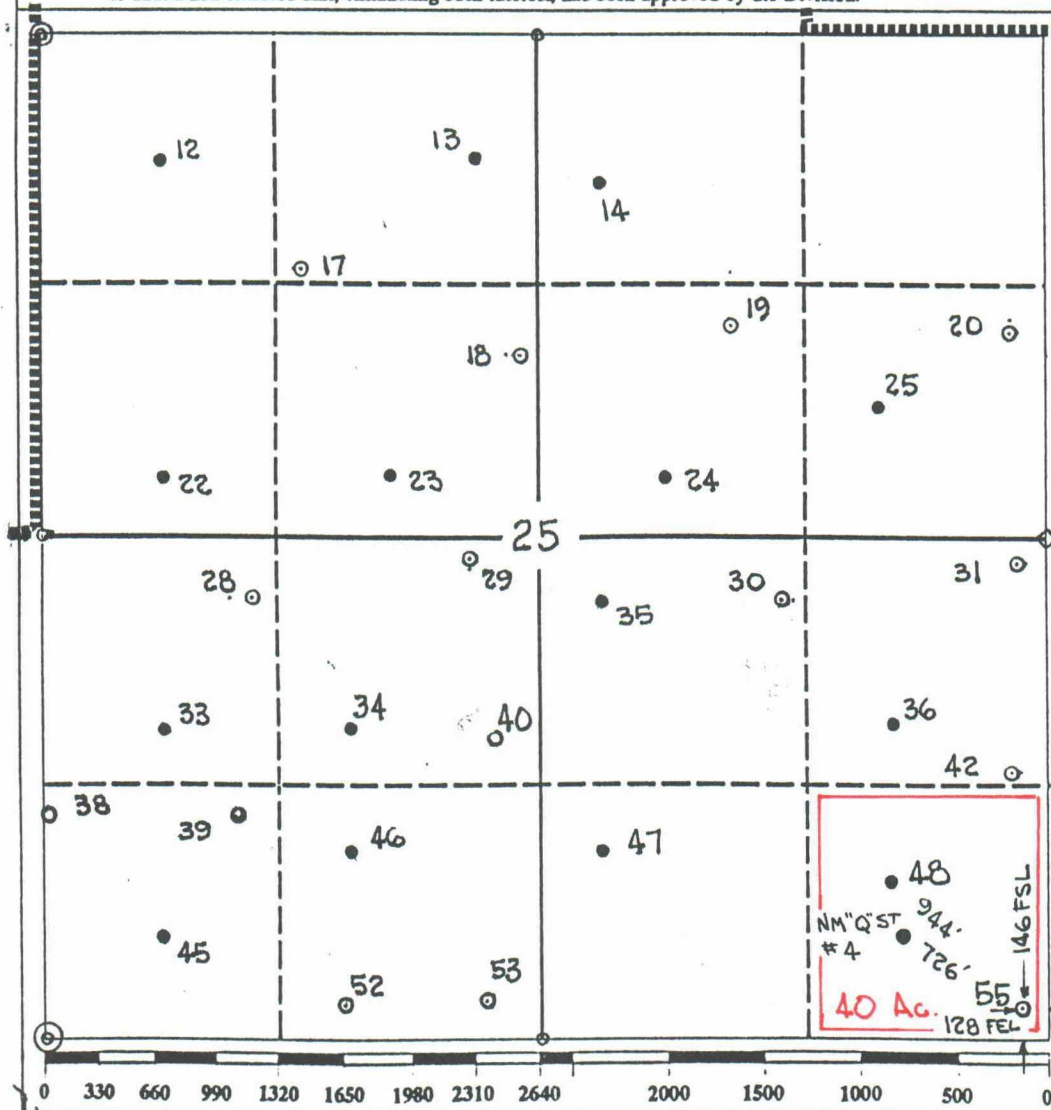
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 55
Unit Letter P	Section 25	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 146 feet from the FSL line and 128 feet from the FEL line					
Ground level Elev. 3990	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 1, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
November 24, 1992
Signature & Seal of
Professional Surveyor
John S. Piper

Certificate No.
7254 J.S. Piper
Lea Co. FB #6, pg. 56



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

OIL CONSERVATION DIVISION

HOBBS DISTRICT OFFICE

'92 DE 18 AM 9 01

12-3-92

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC

DHC

NSL

NSP

SWD

WFX

PMX

X amend

Gentlemen:

I have examined the application for the:

<i>Levaco Expl & Prod.</i>	<i>Vacuum Glorieta West Unit #42</i>	<i>I</i>
Operator	Lease & Well No. Unit	S-T-R
	<i># 31 - I</i>	<i>25-17-34</i>
	<i># 54 - B</i>	<i>36-17-34</i>
	<i># 55 - P</i>	<i>25-17-34</i>

and my recommendations are as follows:

Need letter approved location that wells had to be moved to.

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed



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



BRUCE KING
GOVERNOR
ANITA LOCKWOOD
CABINET SECRETARY

December 8, 1992

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

Texaco Exploration and Production, Inc.
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham

RE: *Amendments for injection well locations for the Vacuum Glorieta West Unit as approved by Division Order No. R-9714.*

Dear Mr. Basham:

We have received your applications dated December 2, 1992 for injection well location changes and it appears there may be more in the future. In reviewing your application, we are unclear as to how obstacles such as buildings, roads, electrical lines, pipelines, etc. were overlooked in the planning and preparation of Case No. 10516 which resulted in the above-referenced order.

In order to consider your request for amended locations, please submit a *detailed* plat of the subject area showing the approved location, proposed location and any and all obstructions to be avoided.

A similar plat will be required on all requests of this nature in the future.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael E. Stogner".

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/amg

cc: William J. LeMay, OCD Director



Texaco USA
Producing Department
Midland Division

P.O. Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
— RECEIVED —

'92 DEC 17 AM 9 24

December 16, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Vacuum Glorieta West Unit
Well Nos. 31, 42, 54, and 55
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Attached are the "detailed plats" you requested in your letter dated December 8, 1992 concerning the captioned wells. If additional information is needed, please call C. Wade Howard at (915) 688-4606.

Yours very truly,

C.P. Basham / cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

December 8, 1992

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

Texaco Exploration and Production, Inc.
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham

**RE: *Amendments for injection well locations for the Vacuum Glorieta
West Unit as approved by Division Order No. R-9714.***

Dear Mr. Basham:

We have received your applications dated December 2, 1992 for injection well location changes and it appears there may be more in the future. In reviewing your application, we are unclear as to how obstacles such as buildings, roads, electrical lines, pipelines, etc. were overlooked in the planning and preparation of Case No. 10516 which resulted in the above-referenced order.

In order to consider your request for amended locations, please submit a *detailed* plat of the subject area showing the approved location, proposed location and any and all obstructions to be avoided.

A similar plat will be required on all requests of this nature in the future.

Sincerely,

A handwritten signature in dark ink, appearing to read "Michael E. Stogner".

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/amg

cc: William J. LeMay, OCD Director

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

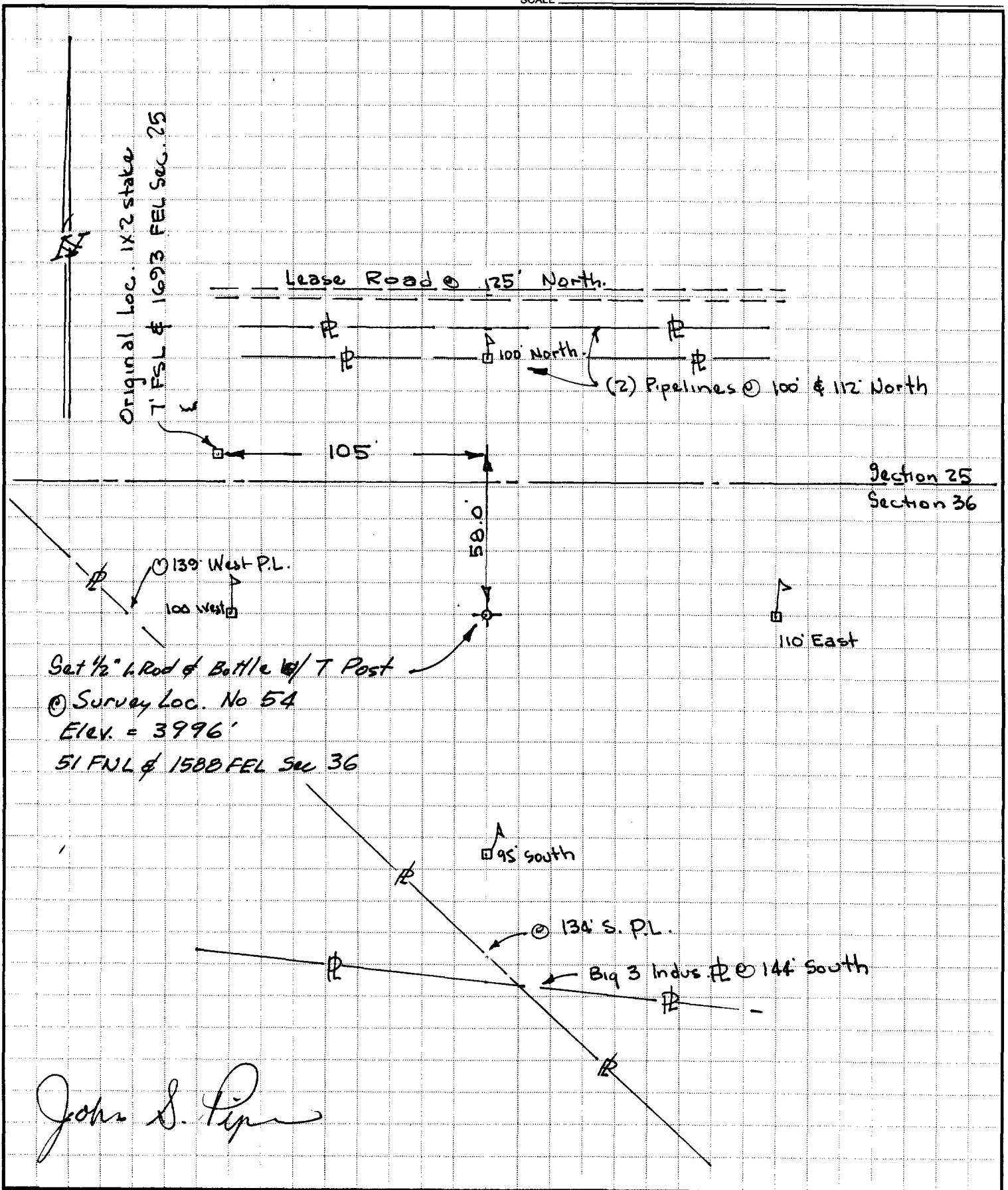
SHEET NO. 1 OF 2
SURVEY
 CALCULATED BY O. Flores DATE 12/14/92
DRAWN
 CHECKED BY J.S. Piper DATE 12/14/92
 SCALE 1"=50 Feet



P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810



P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810



PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

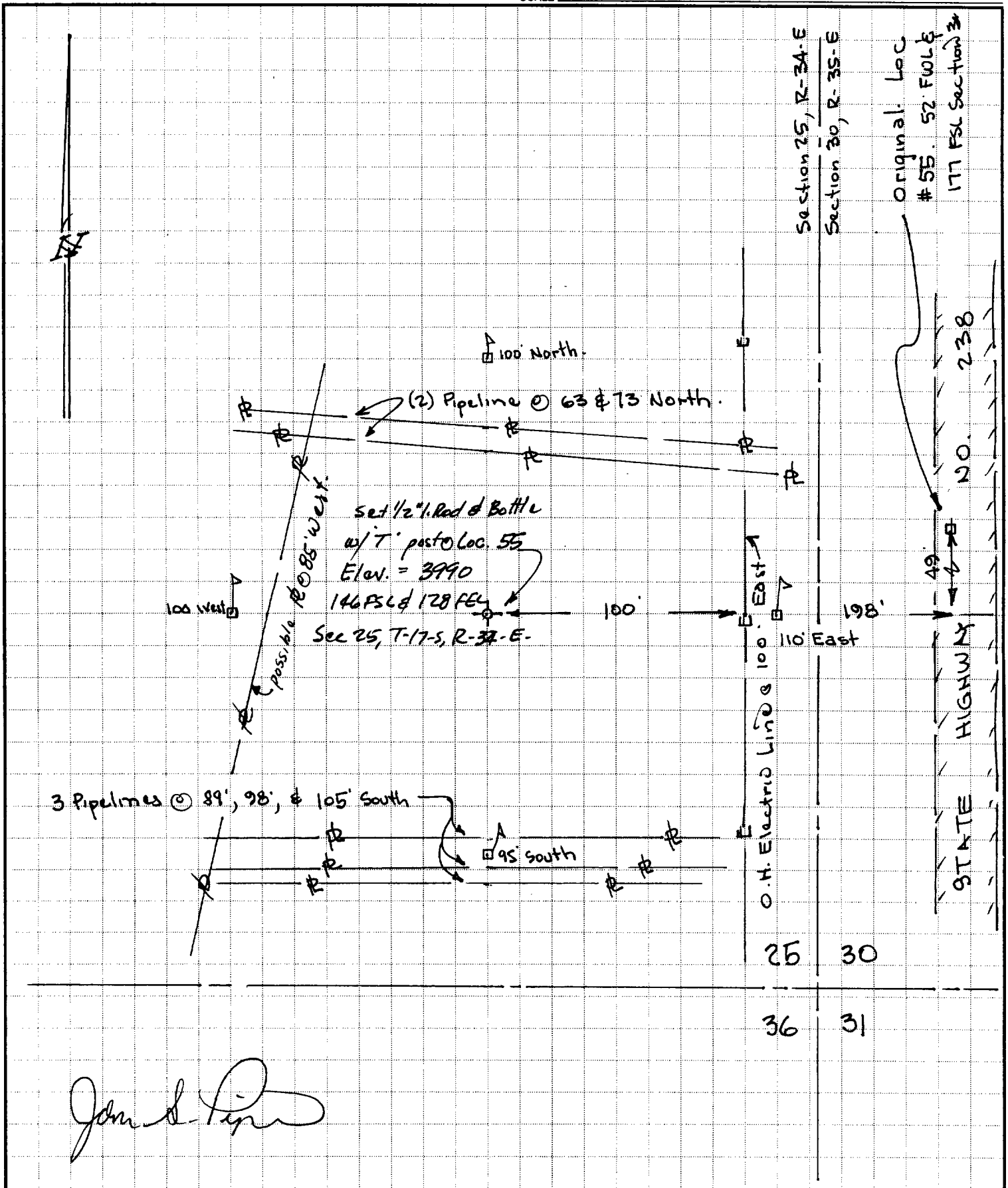
JOB Vacuum Glorieta West Uint Loc. 55

SHEET NO. 1 OF 2

CALCULATED BY O. Flores DATE 12/14/92

CHECKED BY J.S. Piper DATE 12/14/92

SCALE 1"=50 Feet



STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR



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

September 3, 1992

CAMBELL, CARR, BERGE
& SHERIDAN
Attorneys at Law
P. O. Box 2208
Santa Fe, New Mexico 87504

RE: CASE NO. 10533, CASE NO. 10516
ORDER NO. R-9713, ORDER NO. R-9714

Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

A handwritten signature in cursive script that reads "Florene".

Florene Davidson
OC Staff Specialist

FD/sl

cc: BLM Carlsbad Office
David Abbey - DFA
T. Kellahin



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 15, 1992

Texaco Exploration & Production, Inc.
c/o William F. Carr
Campbell, Carr, Berge & Sheridan, P.A.
P.O. Box 2208
Santa Fe, NM 87504

**RE: Vacuum Glorieta West Unit Waterflood Project,
Lea County, New Mexico.**

Dear Mr. Carr:

I am returning your application dated September 8, 1992 for approval of Texaco's Vacuum Glorieta West Unit Waterflood Project for the recovered oil tax rate authorized by the Enhanced Oil Recovery Act. It appears that Division Order No. R-9714, issued in Case No. 10516, qualifies the subject project under the Enhanced Oil Recovery Act (see decretory paragraphs 13 and 14 on page 5 of said Order No. R-9714).

This application is therefore unnecessary; however, if you think this is not the case and another hearing is required, please contact me so that a meeting with our general counsel, chief engineer and director can be arranged.

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/amg

cc: Robert G. Stovall, OCD - Santa Fe
Case File: 10516



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

October 21, 1992

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C. P. Basham, Drilling Operations Manager

*RE: Administrative Amendment to
Division Order No. R-9714.*

Dear Mr. Basham:

Reference is made to your letters dated September 2, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), to eight certain injection well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations of eight particular wells due to minor difficulties encountered when actually staking the locations.

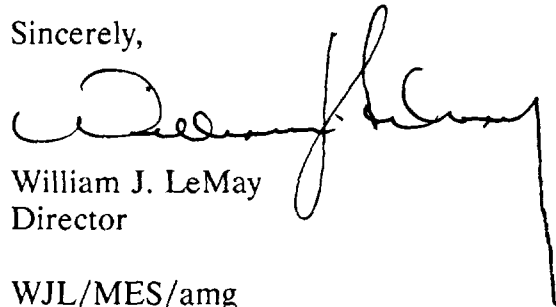
By the authority granted me under the provisions of General Rule 104.F. the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

Texaco Exploration and Production
Attention: C. P. Basham
October 21, 1992
Page 2

<i>Lease Name</i>	<i>Corrected Footage Location</i>	<i>U-L-S-T-R</i>	<i>VGWU Well No.</i>
McAllister State	1217' FSL - 24' FWL	M-25-17S-34E	38
McAllister State	1590' FSL - 2404' FWL	K-25-17S-34E	40
State H-35	24' FNL - 101' FEL	A-35-17S-34E	51
McAllister State	214' FSL - 1630' FWL	N-25-17S-34E	52
McAllister State	215' FSL - 2350' FWL	N-25-17S-34E	53
NM "O" State NCT-1	1522' FNL - 1492' FWL	F-36-17S-34E	65
State VB	2561' FSL - 1351' FWL	K-36-17S-34E	79
NM "O" State NCT-1	2517' FNL - 2442' FEL	G-36-17S-34E	80

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,



William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
File: Case No. 10516
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach

October 20, 1992

M.S.

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

DRAFT

Attention: C. P. Basham, Drilling Operations Manager

*RE: Administrative Amendment to
Division Order No. R-9714.*

Dear Mr. Basham:

Reference is made to your letters dated September 2, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), to eight certain well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the location of eight particular wells due to minor difficulties encountered when actually staking the locations.

By the authority granted me under the provisions of General Rule 104.F. the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

<i>Lease Name</i>	<i>Corrected Footage Location</i>	<i>U-L-S-T-R</i>	<i>VGWU Well No.</i>
McAllister State	1217' FSL - 24' FWL	M-25-17S-34E	38
McAllister State	1590' FSL - 2404' FWL	K-25-17S-34E	40

Texaco Exploration and Production
Attention: C. P. Basham
October 20, 1992
Page 2

<i>Lease Name</i>	<i>Corrected Footage Location</i>	<i>U-L-S-T-R</i>	<i>VGWU Well No.</i>
State H-35	24' FNL - 101' FEL	A-35-17S-34E	51
McAllister State	214' FSL - 1630' FWL	N-25-17S-34E	52
McAllister State	215' FSL - 2350' FWL	N-25-17S-34E	53
NM "O" State NCT-1	1522' FNL - 1492' FWL	F-36-17S-34E	65
State VB	2561' FSL - 1351' FWL	K-36-17S-34E	79
NM "O" State NCT-1	2517' FNL - 2442' FEL	G-36-17S-34E	80

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,

William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
File: Case No. 10516
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach



Texaco USA
Producing Department
Midland Division

P.O. Box 3109
Midland TX 79702-3109

Received
9/3/92

September 2, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well Nos. 38, 39, 40, 52, 53,
64, 65, 66, 78, 79, & 80.

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

An exception, by administrative approval, to Rule 104 F.I. is requested for Texaco Exploration and Production Inc.'s Vacuum Glorieta West Unit Well Nos. 38, 39, 40, 52, 53, 64, 65, 66, 78, 79, and 80. These wells will be water injection wells in the newly-formed Unit.

The wells must be drilled in these locations for the purpose of completing an efficient injection/production pattern within our Vacuum Glorieta West Waterflood Project. These wells will be completed in the Vacuum Glorieta Pool.

It should be noted that there are no "affected" offset operators to these wells.

Attached are Forms C-102, showing the location for each well, a lease plat showing the existing wells, and a lease plat showing the offset operators.

Yours very truly,

C. P. Basham / cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

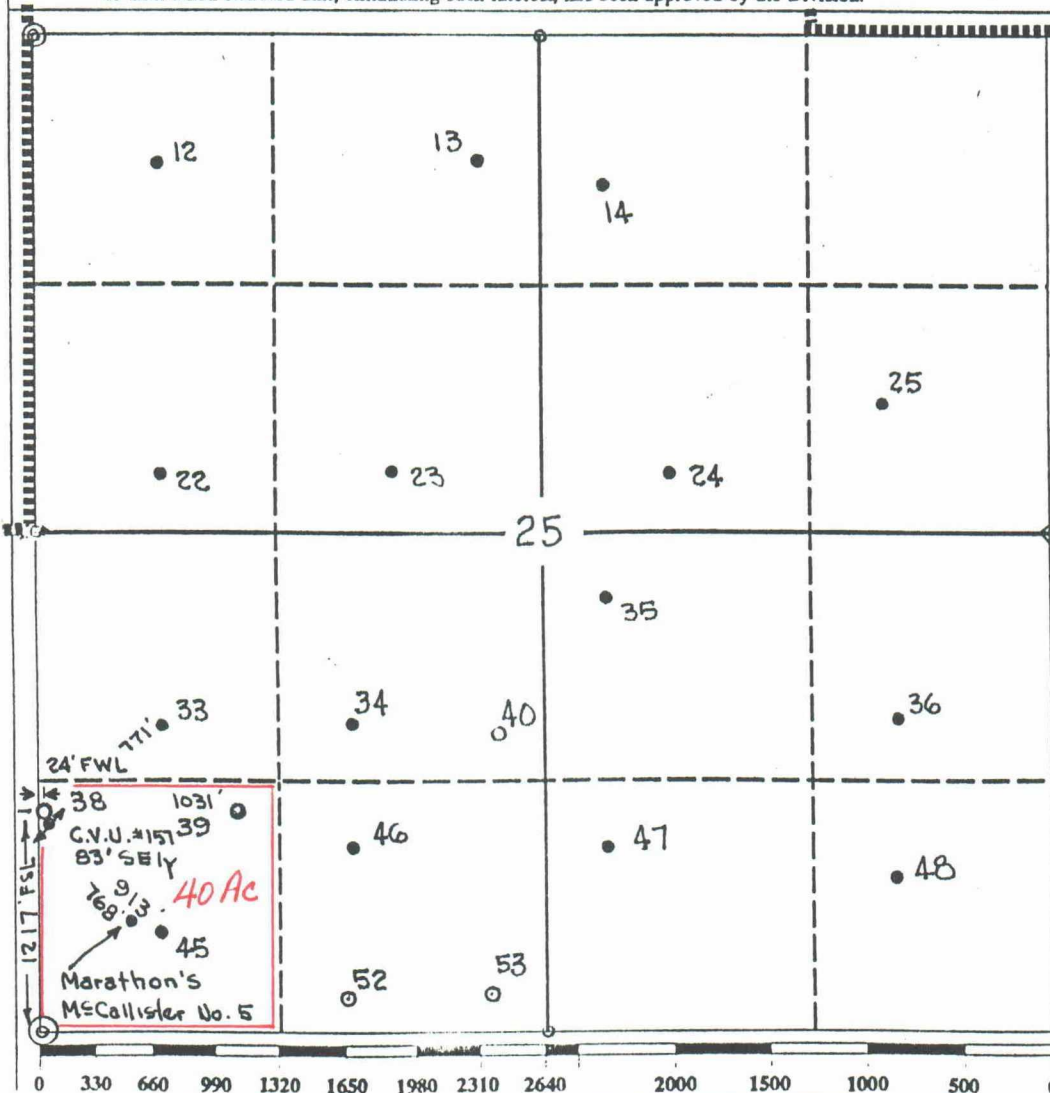
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 38
Unit Letter M	Section 25	Township 17-South	Range 34-East NMPM	County Lea	
Actual Footage Location of Well: 1217 feet from the South line and 24 feet from the West line					
Ground level Elev. 4005.	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
- If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
- No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature _____

Raymond

Printed Name _____

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date _____

September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed _____

August 27, 1992

Signature & Seal of
Professional Surveyor

Certificate No.

7254 J.S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

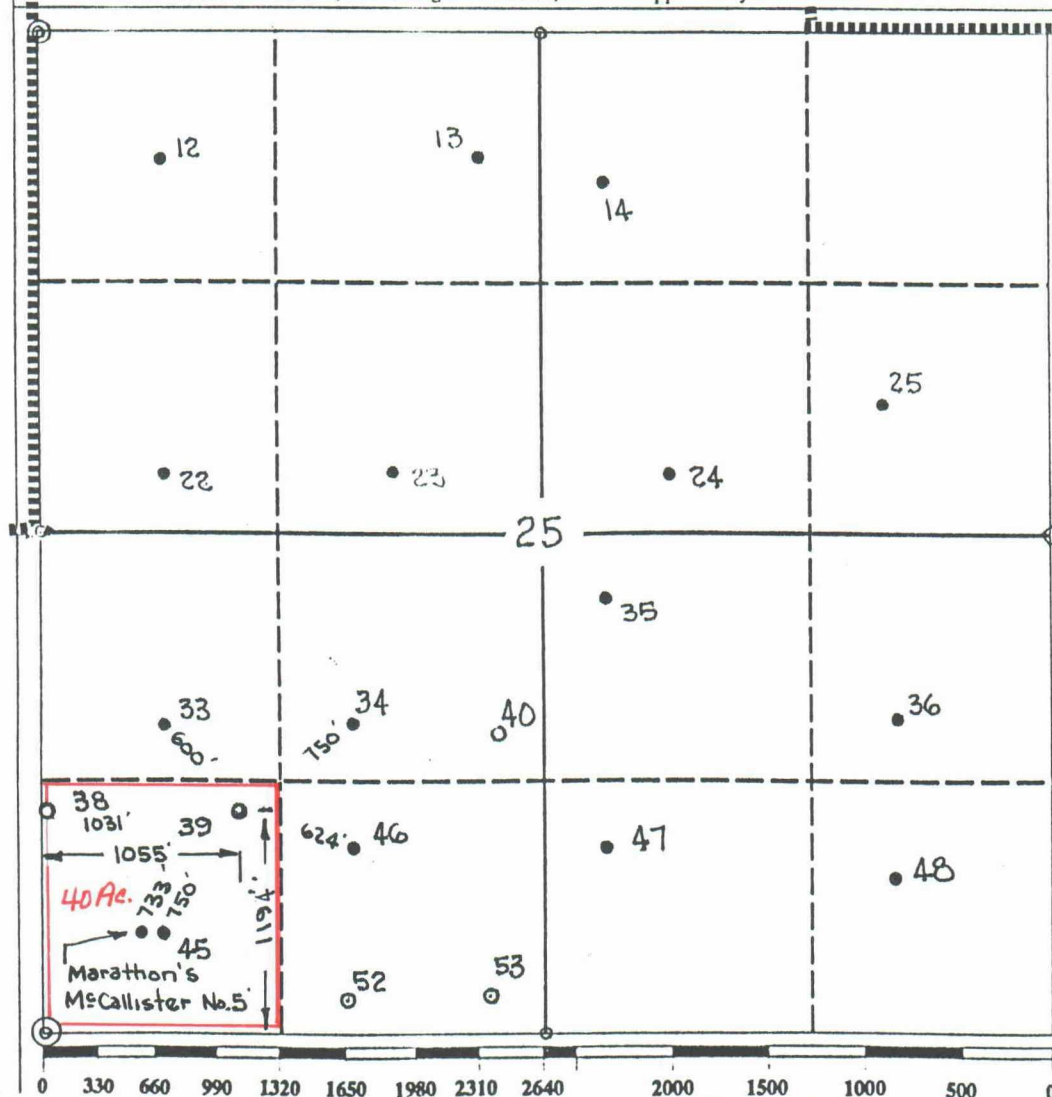
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 39
Unit Letter M	Section 25	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1194 feet from the South line and 1055 feet from the West line					
Ground level Elev. 4002	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992
Signature & Seal of
Professional Surveyor

Certificate No.
7254 J.S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

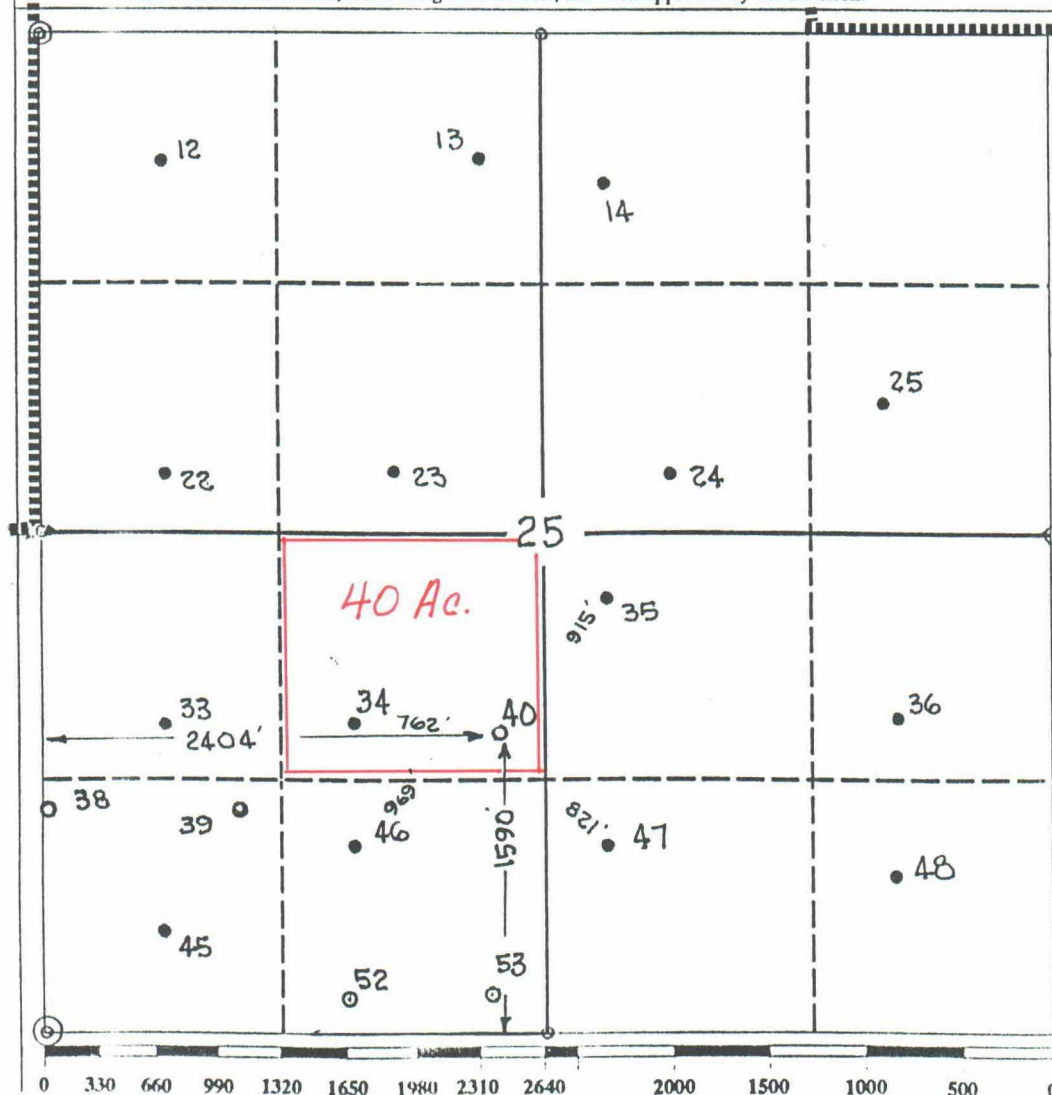
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 40
Unit Letter K	Section 25	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 1590 feet from the South line and 2404 feet from the West line					
Ground level Elev. 4001	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 J.S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

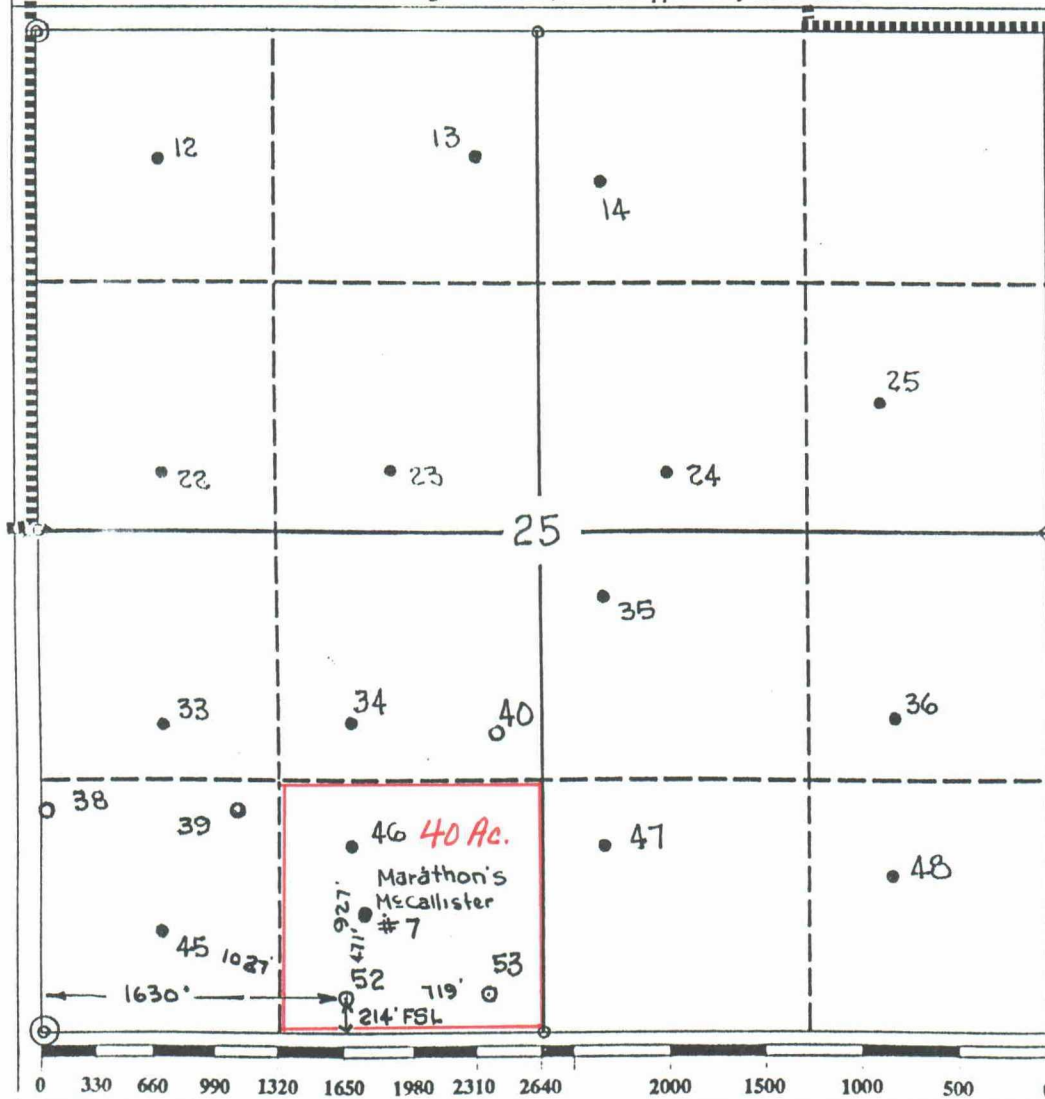
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 52
Unit Letter N	Section 25	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 214 feet from the South line and 1630 feet from the West line					
Ground level Elev. 4005	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992
Signature & Seal of
Professional Surveyor
John S. Piper
Certificate No.
7254 J.S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 53
Unit Letter N	Section 25	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 215 feet from the South line and 2350 feet from the West line					
Ground level Elev. 4003	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres	
<p>1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.</p> <p>2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).</p> <p>3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If answer is "yes" type of consolidation <u>Unitization</u></p> <p>If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)</p> <p>No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.</p>					
				OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
				Signature <i>Royce D. Mariott</i> Printed Name Royce D. Mariott Position Division Surveyor Company Texaco Expl. & Prod. Date September 2, 1992	
				SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.	
				Date Surveyed August 27, 1992 Signature & Seal of Professional Surveyor <i>John S. Piper</i> Certificate No. 7254 J.S. Piper	

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

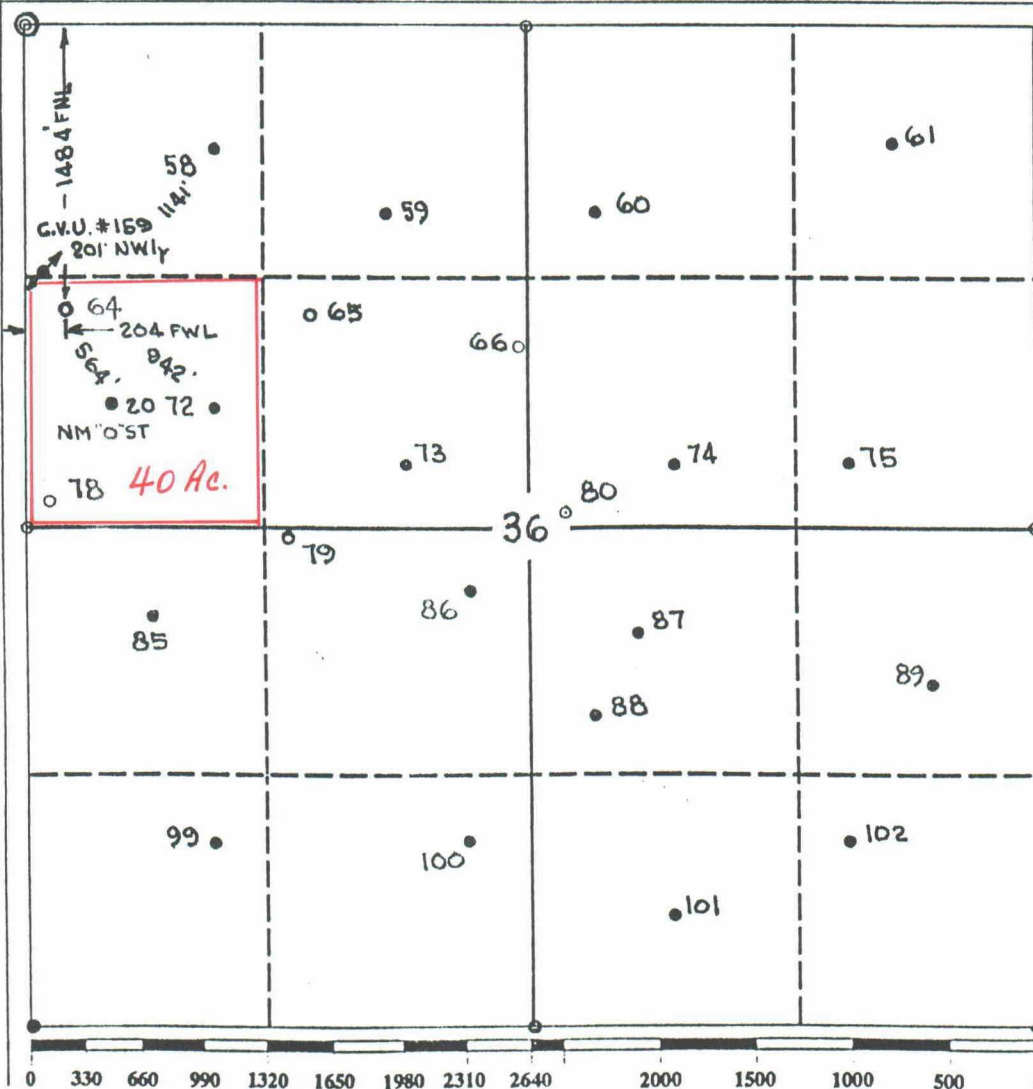
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 64
Unit Letter E	Section 36	Township 17-South	Range 34-East	County Lea	NMPM
Actual Footage Location of Well: 1484 feet from the North line and 204 feet from the West line					
Ground level Elev. 4008	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992

Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

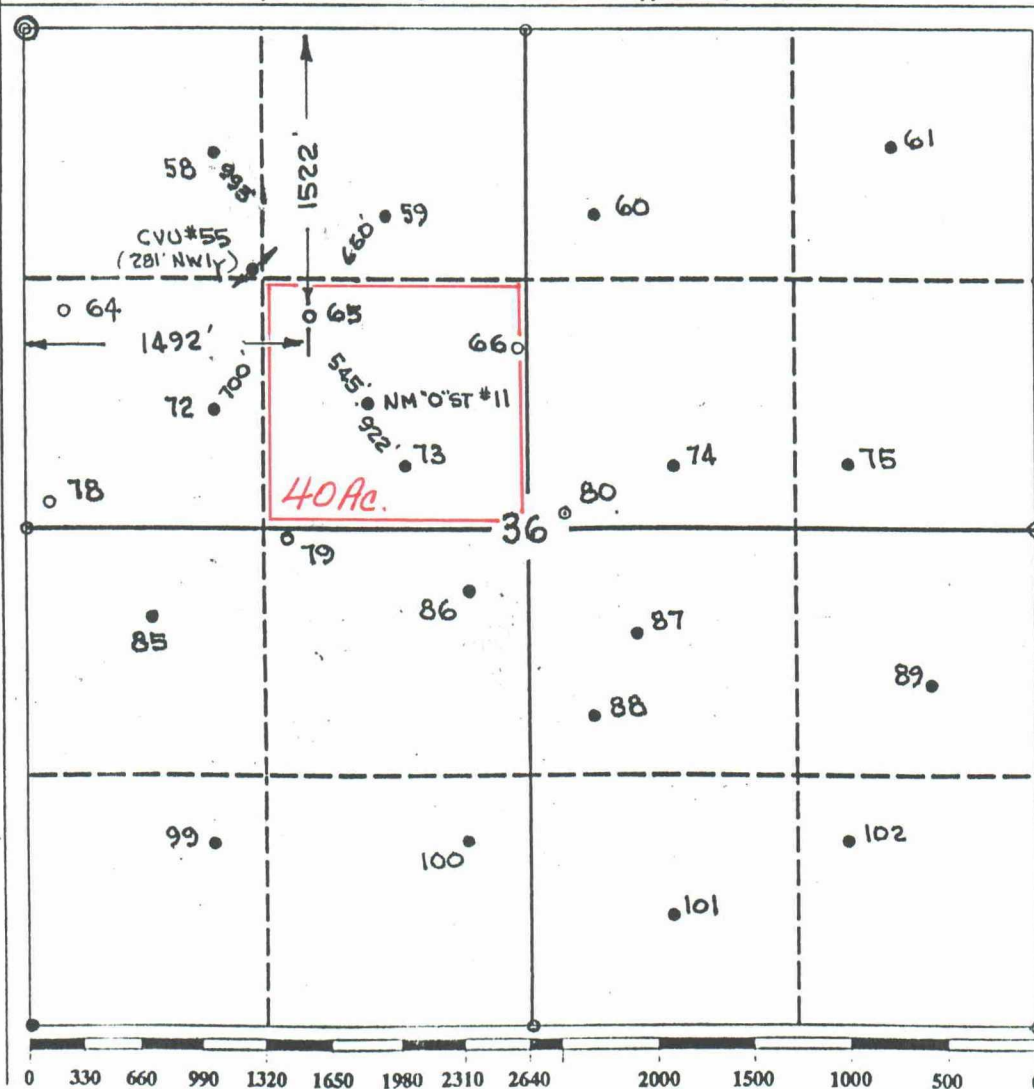
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 65
Unit Letter F	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1522 feet from the North line and 1492 feet from the West line					
Ground level Elev. 4004	Producing Formation Glorieta; Paddock		Pool Vacuum 3Glorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

August 27, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

7254 John S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

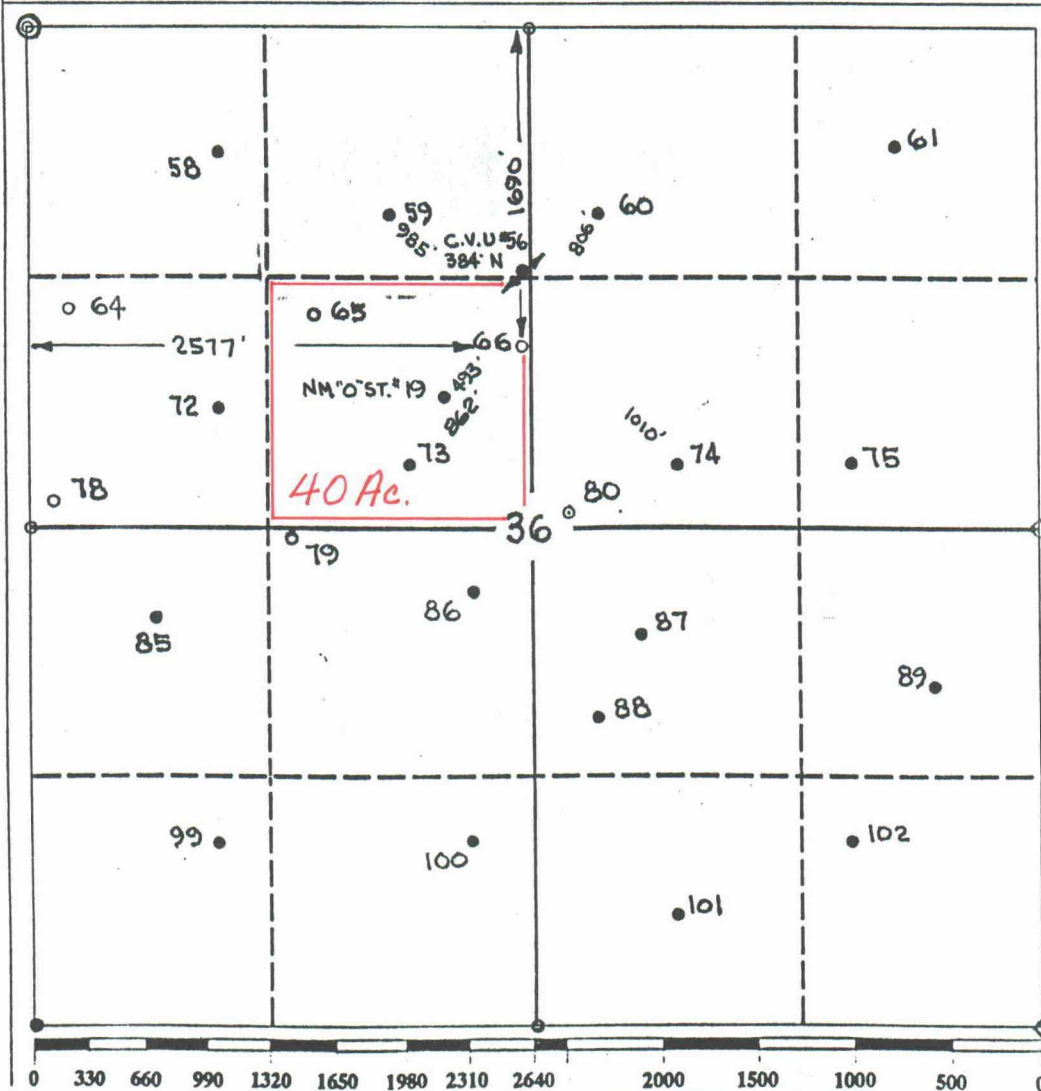
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 66
Unit Letter F	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1690 feet from the North line and 2577 feet from the West line					
Ground level Elev. 3993	Producing Formation Glorieta; Paddock		Pool Vacuum 3Glorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992
Signature & Seal of Professional Surveyor
John S. Piper
Certificate No.
7254 John S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

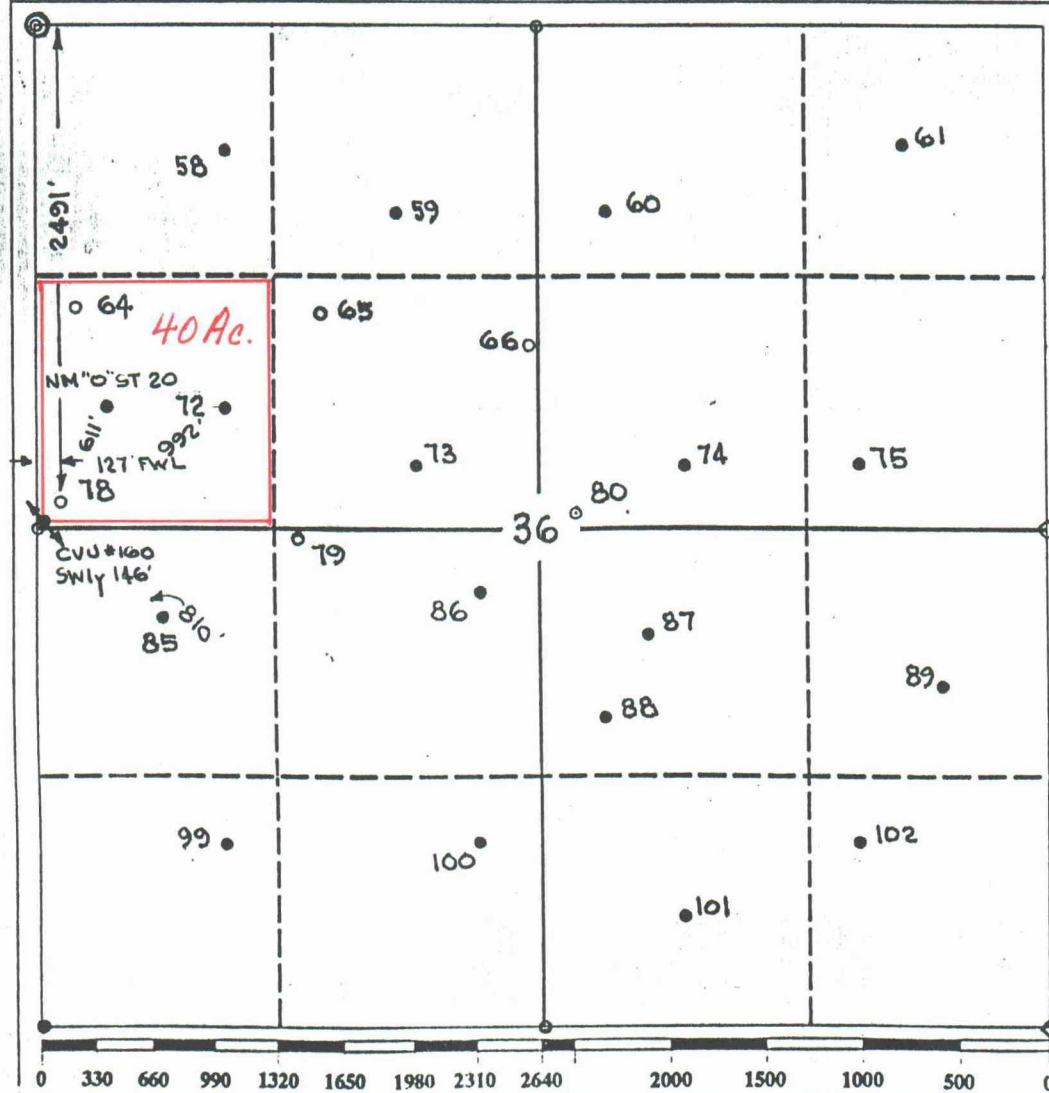
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 78
Unit Letter E	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 2491 feet from the North line and 127 feet from the West line					
Ground level Elev. 4005	Producing Formation Glorieta; Paddock		Pool Vacuum EGlorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
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OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992
Signature & Seal of
Professional Surveyor
John S. Piper
Certificate No.
7254 John S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

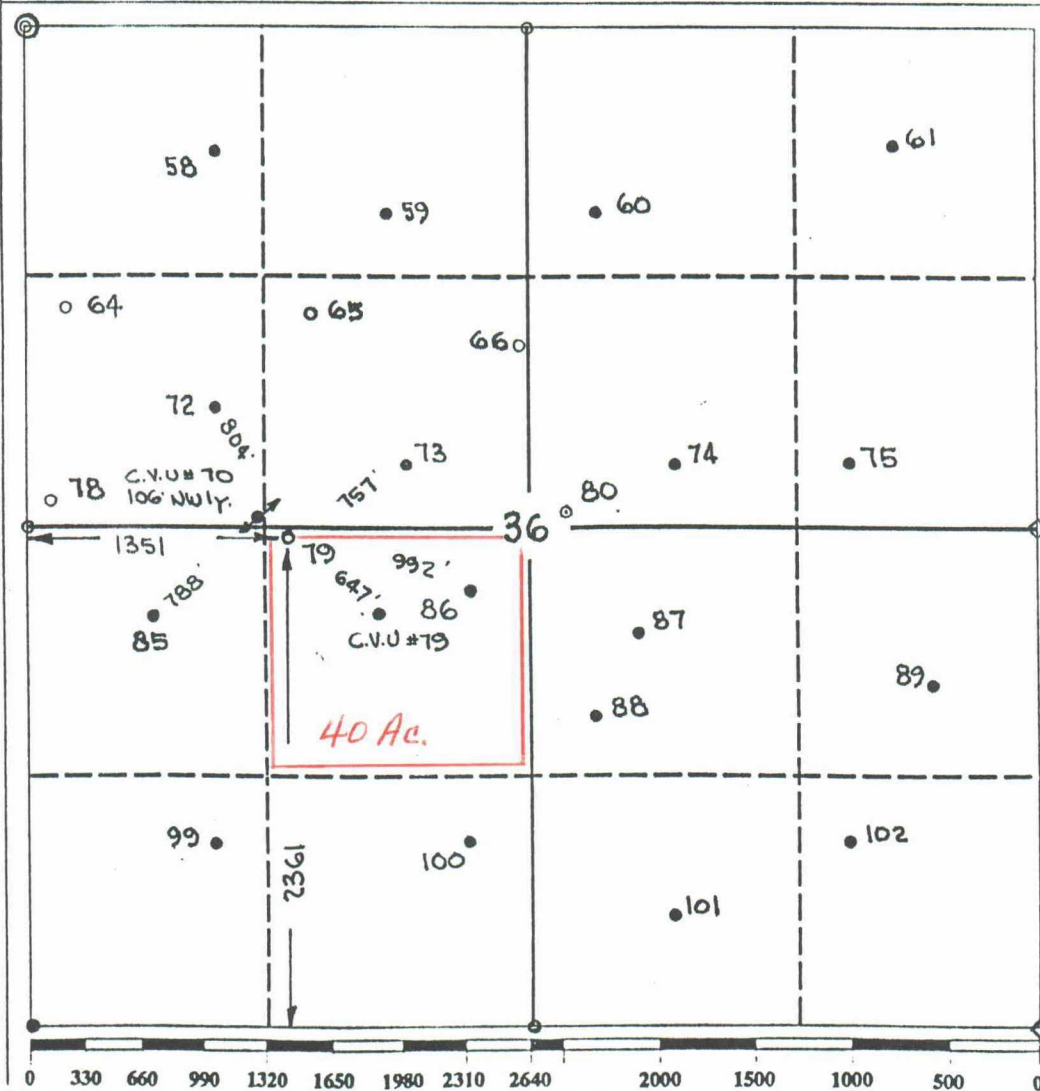
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 79
Unit Letter K	Section 36	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 2561 feet from the South line and 1351 feet from the West line					
Ground level Elev. 4004	Producing Formation Glorieta; Paddock		Pool Vacuum 3Glorieta Pool	Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992

Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 80
Unit Letter G	Section 36	Township 17-South	Range 34-East	County Lea	NMPM
Actual Footage Location of Well: 2517 feet from the North line and 2442 feet from the East line					
Ground level Elev. 3997		Producing Formation Glorieta; Paddock		Pool Vacuum 3Glorieta Pool	Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

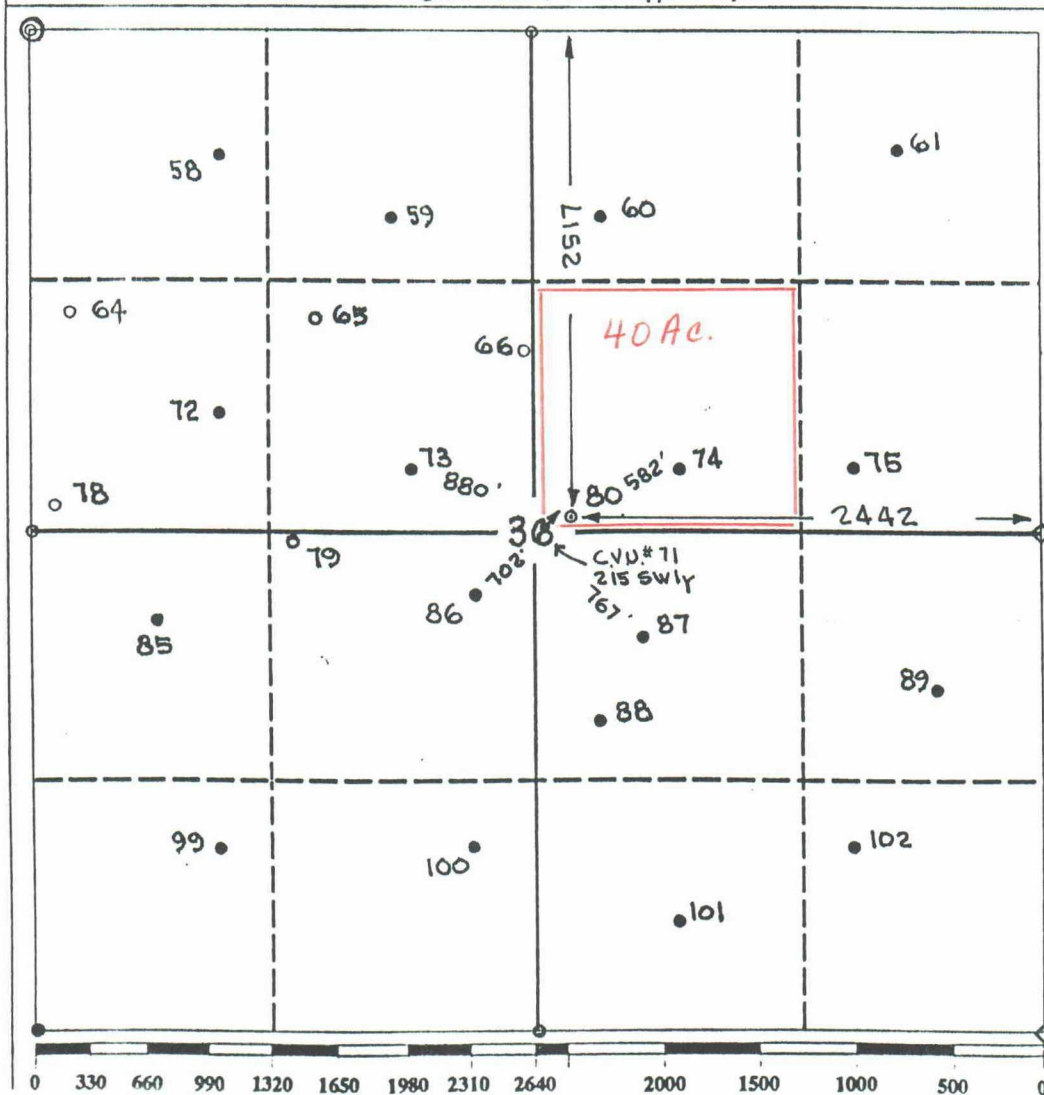
☒ Yes

☐ No

If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

September 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

August 27, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

7254 John S. Piper



Texaco Exploration and Producing Inc
Midland Production Division, Midland Tx.

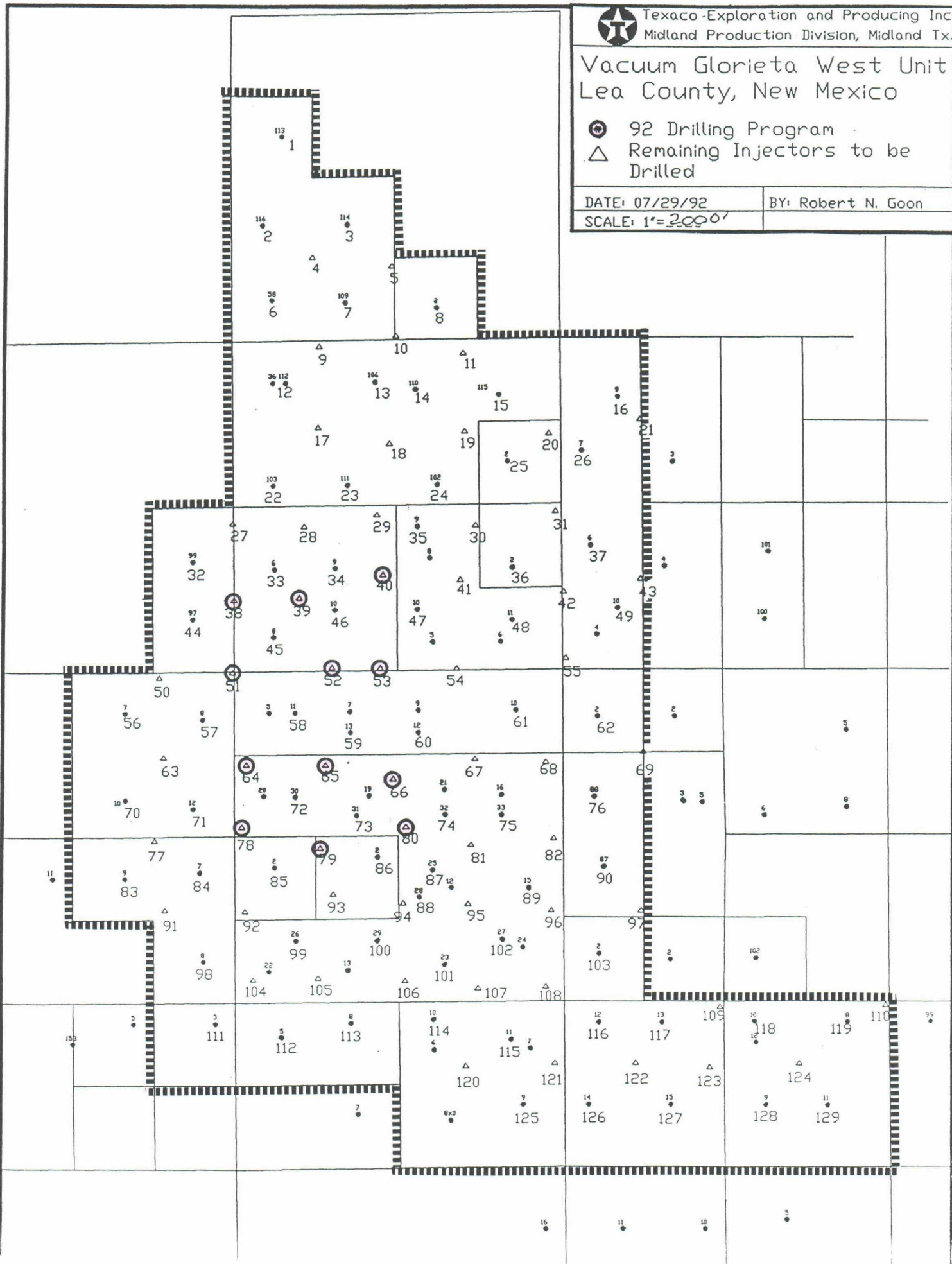
Vacuum Glorieta West Unit Lea County, New Mexico

- 92 Drilling Program
- △ Remaining Injectors to be Drilled

DATE: 07/29/92

BY: Robert N. Goon

SCALE: 1" = 2000'



VACUUM GLORIETA WEST UNIT
LEA COUNTY, NEW MEXICO

AREA OF REVIEW

OFFSET OPERATORS

SCALE 1" = 2000' DRAWN R. N. GOON DATE June 25, 1992





STATE OF NEW MEXICO

OIL CONSERVATION DIVISION
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
'92 SEP 8 AM 8 42 HOBBS DISTRICT OFFICE

9-8-92

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL X _____
NSP _____
SWD _____
WFX _____
PMX _____

Vacuum Glorieta West Unit

38-M 25-17-34

40-K 25-17-34

52-N 25-17-34

53-N 25-17-34

65-F 36-17-34

80-A 36-17-34

79-K 36-17-34

Gentlemen:

I have examined the application for the:

Jeyaco Expl + Prod. Inc.

Operator

Lease & Well No.

Unit

S-T-R

and my recommendations are as follows:

*Nonstandard locations for these wells were approved
in R-9714 but wells were unable to be staked at
those approved locations.*

*# 39 # 64 # 66 + # 78 were all staked at previously approved
locations & need no further approval.*

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed



Texaco USA
Producing Department
Midland Division

P.O. Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION

— P5 — C&D —

SEP 14 1992 9 18

September 2, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations

Vacuum Glorieta West Unit

Well No. 51

Lea County, New Mexico

State of New Mexico

Energy and Minerals Department

Oil Conservation Division

P. O. Box 2088

Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

An exception, by administrative approval, to Rule 104 F.I. is requested for Texaco Exploration and Production Inc.'s Vacuum Glorieta West Unit Well No. 51. This well will be a water injection well in the newly-formed Unit.

This well must be drilled in this location for the purpose of completing an efficient injection/production pattern within our Vacuum Glorieta West Waterflood Project. This well will be completed in the Vacuum Glorieta Pool.

Mobil Producing Texas & New Mexico is the only "affected" offset operator to this well and has been furnished a copy of this request (certified mail receipt attached).

Attached is Form C-102, showing the location of this well, a lease plat showing the existing wells, and a lease plat showing the offset operators.

Yours very truly,

C.P. Basham/CWH

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

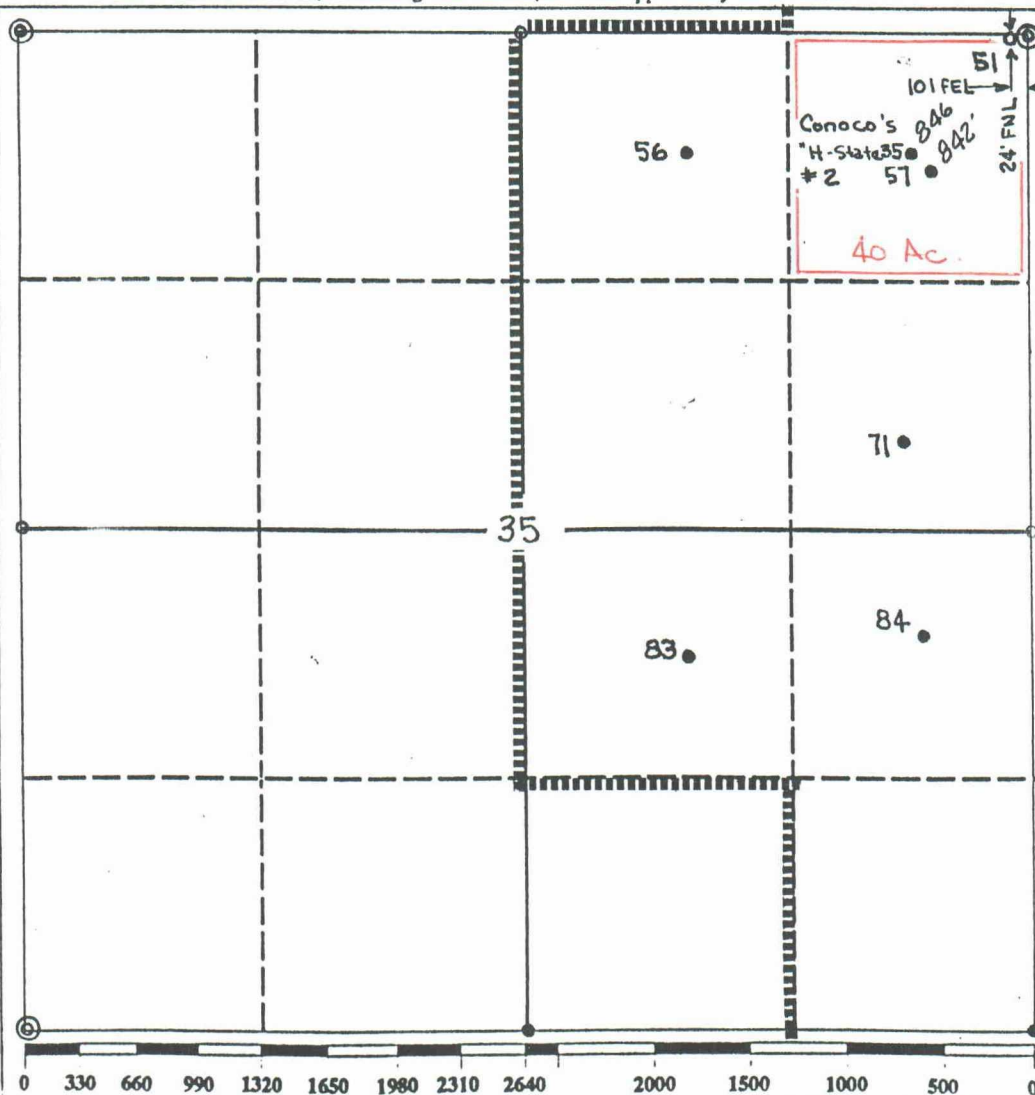
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 51
Unit Letter A	Section 35	Township 17-South	Range 34-East	County Lea	NMPM
Actual Footage Location of Well: 24 feet from the North line and 101 feet from the East line					
Ground level Elev. 4009	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary).
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
September 1, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
August 27, 1992
Signature & Seal of
Professional Surveyor
John S. Piper
Certificate No.
7254 John S. Piper



Texaco Exploration and Producing Inc
Midland Production Division, Midland Tx.

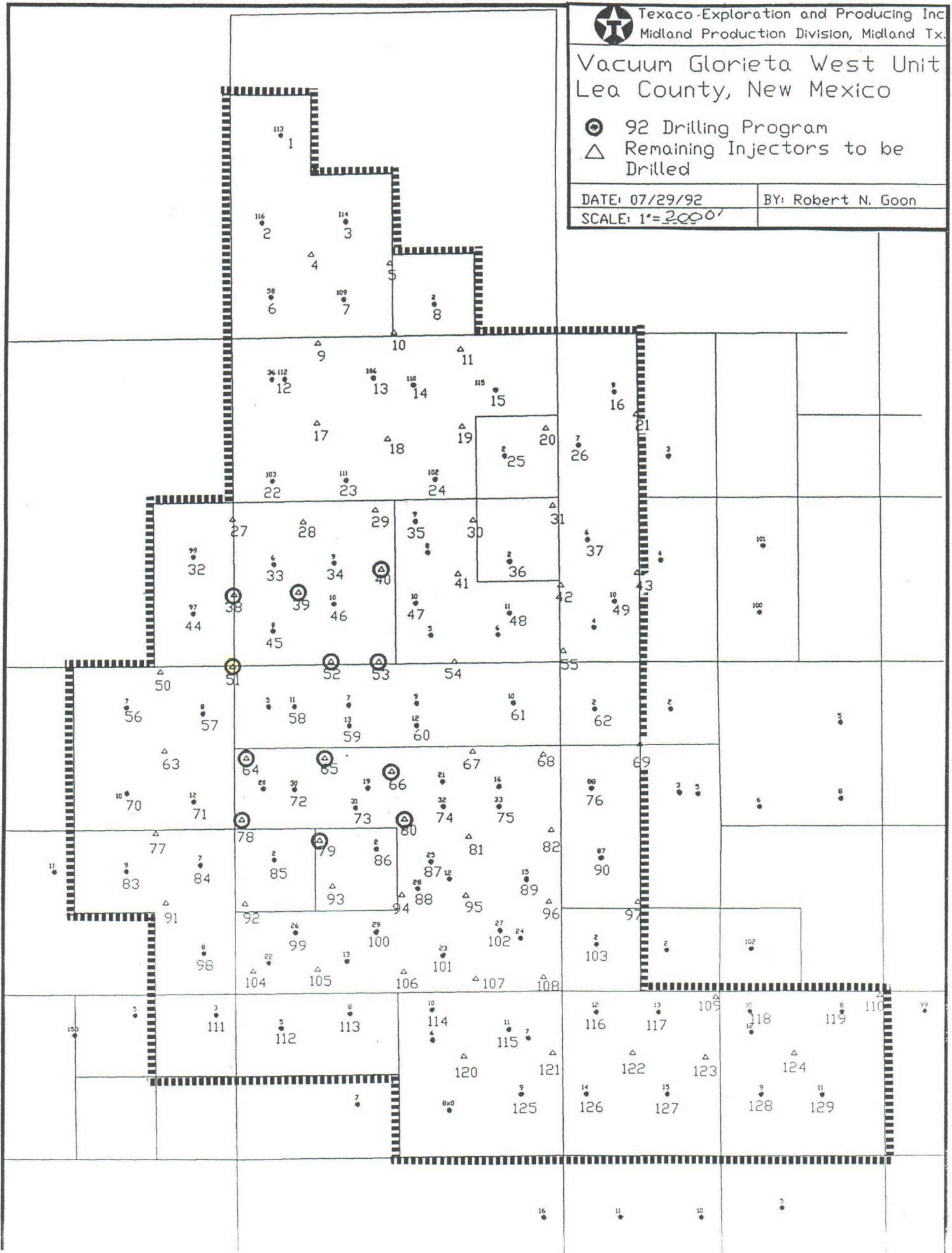
Vacuum Glorieta West Unit Lea County, New Mexico

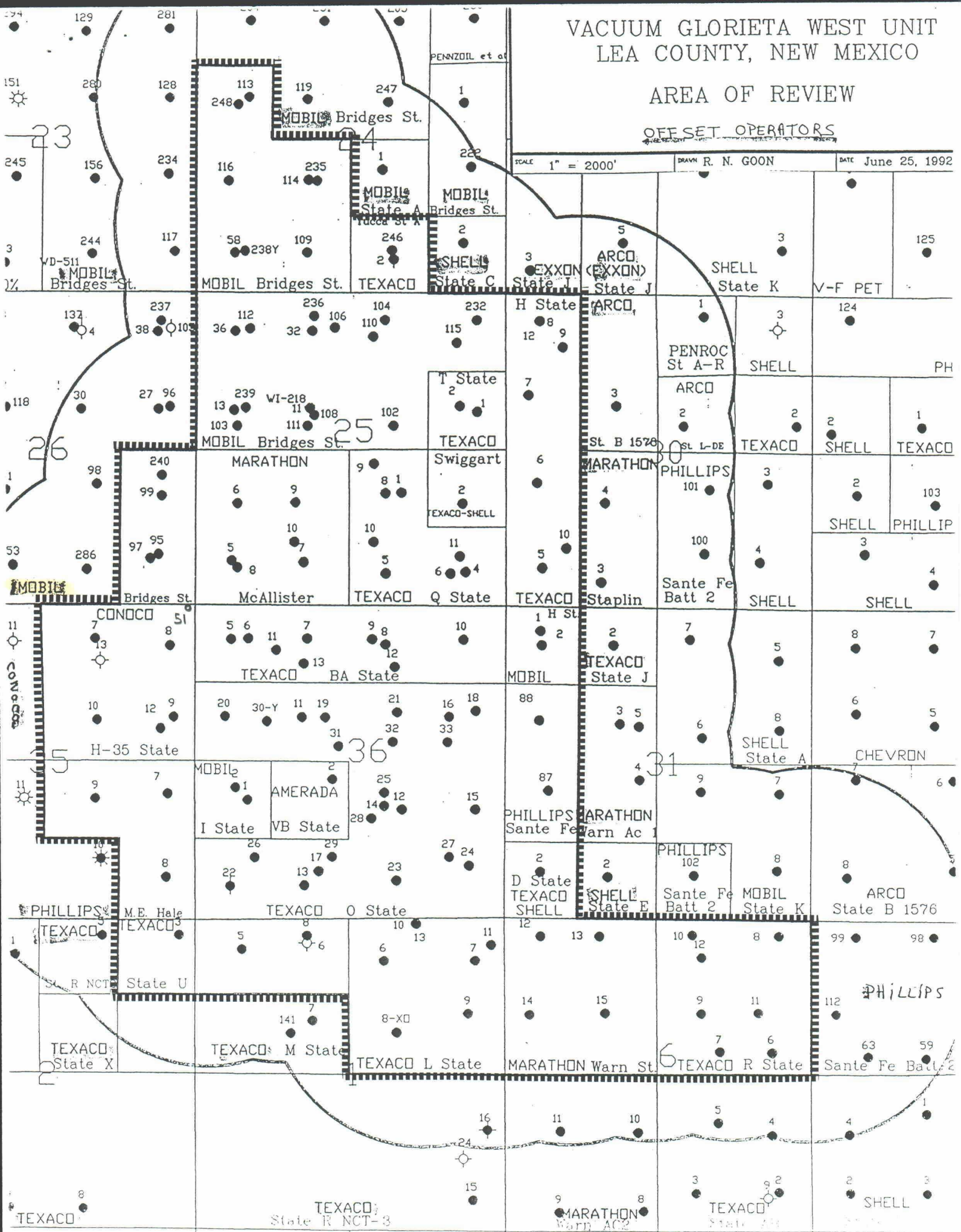
- 92 Drilling Program
- △ Remaining Injectors to be Drilled

DATE: 07/29/92

BY: Robert N. Goon

SCALE: 1" = 2000'







Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702-3109

September 2, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Location
Vacuum Glorieta West Unit
Well No. 51
Lea County, New Mexico

Mobil Producing Texas & New Mexico
P. O. Box 633
Midland, Texas 79702

Gentlemen:

As the "affected" offset operator to the captioned well, you are being furnished with a copy of our Application for an Exception to Rule 104, F. I. If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope.

Any questions concerning this request should be directed to Mr. C. W. Howard at (915) 688-4606.

Yours very truly,

C.P. Basham/cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

File

WAIVER APPROVED:

COMPANY: _____

BY: _____

DATE: _____

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Mobil Producing Texas + New Mexico P.O. Box 633 Midland, TX 79702	4. Article Number P 894 868 197
5. Signature — Addressee X	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature — Agent X	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery SEP - 3 1992	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989

★U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

UNITED STATES POSTAL SERVICE
OFFICIAL BUSINESS

SENDER INSTRUCTIONS
Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.



PENALTY FOR PRIVATE USE, \$300

RETURN
TO



Print Sender's name, address, and ZIP Code in the space below.

TEXACO E+P INC.
P.O. Box 3109
Midland, TX 79702

ATTN: C. WADE HOWARD



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland TX 79702 3109

September 15, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations - Waiver
Vacuum Glorieta West Unit
Well No. 51
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. Michael E. Stogner

Gentlemen:

Attached is the approved waiver from Mobil Producing Texas & New Mexico Inc.. They were the only "affected" offset operator to this well. Please process our application for an unorthodox location.

Yours very truly,

C. P. Basham / cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh



Texaco USA
Producing Department
Midland Division

PO Box 3109
Midland Tx 79702-3109

RECEIVED

SEP 03 1992

Midland South Land/JI

September 2, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Location
Vacuum Glorieta West Unit
Well No. 51
Lea County, New Mexico

Mobil Producing Texas & New Mexico
P. O. Box 633
Midland, Texas 79702

Gentlemen:

As the "affected" offset operator to the captioned well, you are being furnished with a copy of our Application for an Exception to Rule 104, F. I. If you have no objection, please sign the waiver at the bottom of this letter and return in the enclosed envelope.

Any questions concerning this request should be directed to Mr. C. W. Howard at (915) 688-4606.

Yours very truly,

C.P. Basham/cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

File

WAIVER APPROVED:

COMPANY: Mobil Producing Texas & New Mexico Inc.

BY: *Dan J. Repot*

DATE: *Sept 10, 1992*



IN DIVISION
RECEIVED
SEP 14 1992
8 56

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
HOBBS DISTRICT OFFICE

9-10-92

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC _____
DHC _____
NSL ☒ _____
NSP _____
SWD _____
WFX _____
PMX _____

Gentlemen:

I have examined the application for the:

Texaco Expl. & Prod. Inc. Vacuum Marata West Unit #51-A 35-17-34
Operator Lease & Well No. Unit S-T-R

and my recommendations are as follows:

BK

Yours very truly,

Jerry Sexton
Supervisor, District 1

/ed

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

**IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:**

**Case No. 10516
Order No. R-9714**

**APPLICATION OF TEXACO EXPLORATION AND
PRODUCTION INC. FOR A WATERFLOOD PROJECT,
LEA COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on July 23, 1992, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 3rd day of September, 1992, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Texaco Exploration and Production Inc. (Texaco), seeks authority to institute a waterflood project in its Vacuum Glorieta West Unit by the injection of water into the Glorieta and Paddock formations, Vacuum Glorieta Pool, Lea County, New Mexico, through the gross perforated and/or open hole interval from approximately 5,950 feet to 6,230 feet in one existing and fifty-nine wells to be drilled at orthodox and unorthodox locations as shown on Exhibit "A" attached hereto.

(3) By Order No. R-9710 issued in Case No. 10515 on August 25, 1992, the Division, upon application of Texaco, approved the Vacuum Glorieta West Unit which comprises some 2778.86 acres, more or less, in Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico.

(4) The vast majority of wells located within the applicant's Vacuum Glorieta West Unit Area are in an advanced state of depletion and should properly be classified as "stripper wells".

(5) The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) The applicant should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(7) The injection of water into each of the wells shown on Exhibit "A" should be accomplished through internally cement-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation or casing shoe; the casing-tubing annulus should be filled with an inert fluid and a gauge or approved leak-detection device should be attached to the annulus in order to determine leakage in the casing, tubing or packer.

(8) Prior to commencing injection operations into the wells shown on Exhibit "A", the casing in each well should be pressure tested throughout the interval from the surface down to the proposed packer setting depth to assure the integrity of such casing.

(9) The injection wells or pressurization system should be initially equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 1200 psi.

(10) The Division Director should have the authority to administratively authorize a pressure limitation in excess of the pressure limitation described in Finding No. (9) above upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(11) The operator should give advance notification to the supervisor of the Hobbs District Office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity pressure tests in order that the same may be witnessed.

(12) Prior to commencing injection operations into the proposed Vacuum Glorieta West Unit Well Nos. 21, 43, 69, 97, 109 and 110, the applicant should be required to submit to the Santa Fe Office of the Division an executed copy of an Injection Lease-Line Agreement.

(13) The application should be approved and the project should be governed by the provisions of Rule Nos. 701 through 708 of the Oil Conservation Division Rules and Regulations.

(14) At the time of the hearing, the applicant requested that the subject waterflood be certified by the Division as a qualified "Enhanced Oil Recovery Project" pursuant to the "Enhanced Oil Recovery Act" (Laws 1992, Chapter 38, Sections 1 through 5).

(15) The evidence presented indicates that the subject waterflood meets all the criteria for certification.

(16) The certified "project area" should initially comprise the area approved for statutory unitization by Division Order No. R-9710, and described as follows, provided however, the "project area" and/or the producing wells eligible for the recovered oil tax rate may be contracted and reduced dependent upon the evidence presented by the applicant in its demonstration of the occurrence of a positive production response:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

Section 24: SW/4, SW/4 NW/4, SW/4 SE/4
Section 25: All
Section 26: E/2 SE/4
Section 35: NE/4, N/2 SE/4, SE/4 SE/4
Section 36: All

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM

Section 30: Lots 1, 2, 3, 4 (W/2 W/2)
Section 31: Lots 1, 2, 3, 4 (W/2 W/2)

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM

Section 1: Lots 1, 2, 3, 4 (N/2 N/2), S/2 NE/4
Section 2: Lot 1 (NE/4 NE/4)

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM

Section 6: Lots 1, 2, 3, 4, 5, SE/4 NW/4, S/2 NE/4, (N/2)

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Texaco Exploration and Production Inc. (Texaco), is hereby authorized to institute a waterflood project in its Vacuum Glorieta West Unit by the injection of water into the Glorieta and Paddock formations, Vacuum-Glorieta Pool, Lea County, New Mexico, through the gross perforated and/or open hole interval from approximately 5,950 feet to 6,230 feet in one existing and fifty-nine wells to be drilled at orthodox and unorthodox locations as shown on Exhibit "A" attached hereto.

(2) The applicant shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or onto the surface from injection, production, or plugged and abandoned wells.

(3) Injection into the wells shown on Exhibit "A" shall be accomplished through cement-lined tubing installed in a packer set approximately within 100 feet of the uppermost injection perforation or casing shoe; the casing-tubing annulus shall be filled with an inert fluid and a gauge or approved leak-detection device shall be attached to the annulus in order to determine leakage in the casing, tubing or packer.

(4) The injection wells or pressurization system shall be equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 1200 psi.

(5) The Division Director shall have the authority to administratively authorize a pressure limitation in excess of the above upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(6) Prior to commencing injection operations into the wells shown on Exhibit "A", the casing in each well shall be pressure-tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(7) The operator shall give advance notification to the supervisor of the Hobbs District Office of the Division of the date and time of the installation of injection equipment and of the mechanical integrity pressure tests, in order that the same may be witnessed.

(8) The applicant shall immediately notify the supervisor of the Hobbs District Office of the Division of the failure of the tubing, casing or packer in any of the injection wells, the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area, and shall take such steps as may be timely and necessary to correct such failure or leakage.

(9) The subject waterflood is hereby designated the Vacuum Glorieta West Unit Waterflood Project and shall be governed by the provisions of Rule Nos. 701 through 708 of the Oil Conservation Division Rules and Regulations.

(10) Monthly progress reports of the waterflood project herein authorized shall be submitted to the Division in accordance with Rule Nos. 706 and 1115 of the Division Rules and Regulations.

(11) The applicant shall be required to obtain Division approval, subsequent to the entry of this order, to drill any injection well located at an unorthodox location closer than 330 feet from the outer boundary of the Vacuum Glorieta West Unit.

(12) Prior to commencing injection operations into the proposed Vacuum Glorieta West Unit Well Nos. 21, 43, 69, 97, 109 and 110, the applicant shall submit to the Santa Fe Office of the Division an executed copy of an Injection Lease-Line Agreement.

(13) The subject waterflood is a qualified "Enhanced Oil Recovery Project" pursuant to the "Enhanced Oil Recovery Act" (Laws 1992, Chapter 38, Sections 1 through 5).

(14) To be eligible for the EOR credit, the operator must advise the Division when injection operations will commence and request the Division certify the project to the Taxation and Revenue Department.

(15) The certified "project area" shall initially comprise the area approved for statutory unitization by Division Order No. R-9710, and described as follows, provided however, the "project area" and/or the producing wells eligible for the recovered oil tax rate may be contracted and reduced dependent upon the evidence presented by the applicant in its demonstration of the occurrence of a positive production response:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, NMPM

Section 24: SW/4, SW/4 NW/4, SW/4 SE/4
Section 25: All
Section 26: E/2 SE/4
Section 35: NE/4, N/2 SE/4, SE/4 SE/4
Section 36: All

TOWNSHIP 17 SOUTH, RANGE 35 EAST, NMPM

Section 30: Lots 1, 2, 3, 4 (W/2 W/2)
Section 31: Lots 1, 2, 3, 4 (W/2 W/2)

TOWNSHIP 18 SOUTH, RANGE 34 EAST, NMPM

Section 1: Lots 1, 2, 3, 4 (N/2 N/2), S/2 NE/4
Section 2: Lot 1 (NE/4 NE/4)

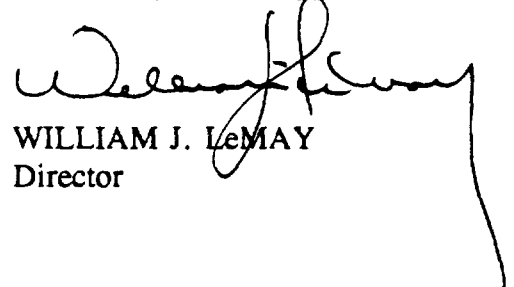
TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM

Section 6: Lots 1, 2, 3, 4, 5, SE/4 NW/4, S/2 NE/4, (N/2)

(16) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LeMAY
Director

S E A L

EXHIBIT "A"
DIVISION ORDER NO. R-9714
VACUUM GLORIETA WEST UNIT
APPROVED NEWLY DRILLED INJECTION WELLS

<u>LEASE NAME</u>	<u>LOCATION</u>	<u>ULSTR</u>	<u>VGWJ WELL NO.</u>
Bridges State	1360' FSL & 1300' FWL	M-24-17S-34E	4
Bridges State	1209' FSL & 2582' FWL	N-24-17S-34E	5
Bridges State	73' FNL & 1411' FWL	C-25-17S-34E	9
Yucca State	100' FSL & 2628' FWL	O-24-17S-34E	10
Bridges State	246' FNL & 1554' FEL	B-25-17S-34E	11
Bridges State	1328' FNL & 1399' FWL	F-25-17S-34E	17
Bridges State	1651' FNL & 2543' FWL	F-25-17S-34E	18
Bridges State	1502' FNL & 1520' FEL	G-25-17S-34E	19
NM T State NCT-1	1541' FNL & 181' FEL	H-25-17S-34E	20
NM N State	1330' FNL & 1283' FWL	E-30-17S-35E	21
Bridges State	1171' FSL & 34' FEL	I-26-17S-34E	27
McAllister State	2304' FSL & 1127' FWL	L-25-17S-34E	28
McAllister State	2522' FSL & 2283' FWL	K-25-17S-34E	29
NM Q State	2305' FSL & 1391' FEL	J-25-17S-34E	30
Swiggart	2520' FSL & 128' FEL	I-25-17S-34E	31
* McAllister State	2387' FSL & 51' FEL ^{1217' FSL} _{24' FWL}	M-25-17S-34E ✓	38
McAllister State	1194' FSL & 1055' FWL	M-25-17S-34E ✓	39
* McAllister State	1570' FSL & 2404' FWL ^{1590' FSL} _{2104' FWL}	K-25-17S-34E ✓	40
NM Q State	1437' FSL & 1646' FEL	J-25-17S-34E	41
NM N State	1250' FSL & 8 FWL	M-30-17S-35E	42
NM N State	1453' FSL & 1247' FWL	L-30-17S-35E	43
State H-35	112' FNL & 1214' FEL	A-35-17S-34E	50
* State H-35	24' FNL & 31' FEL ^{24' FNL} _{101' FEL}	A-35-17S-34E ✓	51
* McAllister State	65' FSL & 1587' FWL ^{214' FSL} _{1630' FWL}	N-25-17S-34E ✓	52
* McAllister State	65' FSL & 2350' FWL ^{215' FSL} _{2350' FWL}	N-25-17S-34E ✓	53
NM Q State	7' FSL & 1693' FEL	O-25-17S-34E	54
NM N State	177' FSL & 52' FWL	M-30-17S-35E	55
State H-35	1370' FNL & 1135' FEL	A-35-17S-34E	63
NM O State NCT-1	1484' FNL & 204' FWL	E-36-17S-34E	64
* NM O State NCT-1	1472' FNL & 1492' FWL ^{1525' FNL} _{1492' FWL}	F-36-17S-34E ✓	65

<u>LEASE NAME</u>	<u>LOCATION</u>	<u>ULSTR</u>	<u>VGWU WELL NO.</u>
NM O State NCT-1	1690' FNL & 2577' FWL	F-36-17S-34E	66
NM O State NCT-1	1435' FNL & 1408' FEL	G-36-17S-34E	67
NM O State NCT-1	1491' FNL & 280' FEL	H-36-17S-34E	68
Santa Fe Battery 2	1502' FNL & 1203' FWL	E-31-17S-35E	69
State H-35	2569' FSL & 1326' FEL	H-35-17S-34E	77
NM O State NCT-1	2491' FNL & 127' FWL	E-36-17S-34E	78
* State VB	2461' FSL & 1351' FWL ^{256' FNL}	K-36-17S-34E ✓	79
* NM O State NCT-1	2552' FNL & 2504' FEL ^{1351' FNL}	G-36-17S-34E ✓	80
NM O State NCT-1	2466' FSL & 1505' FEL	J-36-17S-34E	81
NM O State NCT-1	2576' FSL & 82' FEL	I-36-17S-34E	82
M.E. Hale	1459' FSL & 1148' FEL	I-35-17S-34E	91
State I	1451' FSL & 149' FWL	L-36-17S-34E	92
State VB	1723' FSL & 1575' FWL	K-36-17S-35E	93
NM O State NCT-1	1525' FSL & 2591' FEL	J-36-17S-34E	94
NM O State NCT-1	1519' FSL & 1548' FEL	J-36-17S-34E	95
NM O State NCT-1	142' FSL & 214' FEL	I-36-17S-34E	96
Santa Fe Battery 2	1419' FSL & 1225' FWL	L-31-17S-35E	97
NM O State NCT-1	361' FSL & 300' FWL	M-36-17S-34E	104
NM O State NCT-1	403' FSL & 1340' FWL	N-36-17S-34E	105
NM O State NCT-1	310' FSL & 2542' FEL	O-36-17S-34E	106
NM O State NCT-1	184' FSL & 1382' FEL	O-36-17S-34E	107
NM O State NCT-1	213' FSL & 301' FEL	P-36-17S-34E	108
Warn State AC 2	96' FNL & 2498' FWL	C-6-18S-35E	109
NM R State NCT-1	74' FNL & 56' FEL	A-6-18S-35E	110
NM L State	1102' FNL & 1575' FEL	B-1-18S-34E	120
NM L State	1014' FNL & 140' FEL	A-1-18S-34E	121
Warn State AC 2	1000' FNL & 1136' FWL	D-6-18S-35E	122
Warn State AC 2	1080' FNL & 2344' FWL	C-6-18S-35E	123
NM R State NCT-1	1020' FNL & 1419' FEL	B-6-18S-35E	124

EXISTING WELL TO BE CONVERTED TO INJECTION

Bridges State No. 113	30' FNL & 830' FWL	E-24-17S-34E	1
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STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

December 8, 1992

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

Texaco Exploration and Production, Inc.
P.O. Box 3109
Midland, TX 79702-3109

Attention: C.P. Basham

**RE: *Amendments for injection well locations for the Vacuum Glorieta
West Unit as approved by Division Order No. R-9714.***

Dear Mr. Basham:

We have received your applications dated December 2, 1992 for injection well location changes and it appears there may be more in the future. In reviewing your application, we are unclear as to how obstacles such as buildings, roads, electrical lines, pipelines, etc. were overlooked in the planning and preparation of Case No. 10516 which resulted in the above-referenced order.

In order to consider your request for amended locations, please submit a *detailed* plat of the subject area showing the approved location, proposed location and any and all obstructions to be avoided.

A similar plat will be required on all requests of this nature in the future.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner", with a long horizontal line extending to the right.

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/amg

cc: William J. LeMay, OCD Director



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



BRUCE KING
GOVERNOR

November 10, 1992

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

ANITA LOCKWOOD
CABINET SECRETARY

Texaco Exploration and Production Company
P.O. Box 3109
Midland, Texas 79702-3109

Attention: C.P. Basham, Drilling Operations Manager

RE: Administrative Amendment to
Division Order No. R-9714

Dear Mr. Basham:

Reference is made to your letter dated November 2, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), for two injection well locations, both previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorita West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

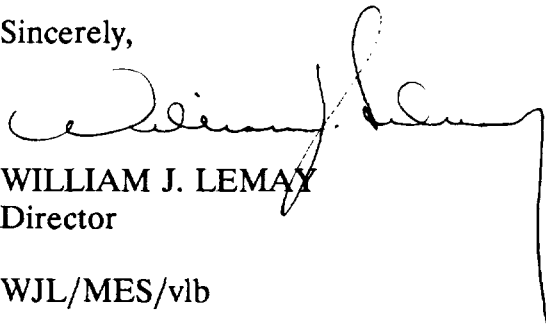
At this time, Texaco is seeking to change the proposed locations for its Vacuum Glorieta West Unit well Nos. 17 and 19 as to avoid buried pipelines that evidently Texaco's personnel were not aware existed at the time said Case No. 10516 was brought before the Division.

By the Authority granted to me under the provisions of General Rule 104.F. the following unorthodox injection well locations are hereby approved. Further Exhibit "A" of said Order No. R-9714 shall be amended to reflect the following location changes::

Lease Name	Corrected Footage Location	U-S-T-R	VGWU Well No.
Bridges State	1228'FNL-1399'FWL	C-25-17S-34E	17
Bridges State	1501'FNL-1620'FEL	G-25-17S-34E	19

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,



WILLIAM J. LEMAY
Director

WJL/MES/vlb

cc. Oil Conservation Division - Hobbs
File: Case No. 10516
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach



Texaco USA
Producing Department
Midland Division

P.O. Box 3109
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

'92 NOV 5 AM 8 46

November 2, 1992

GOV - STATE AND LOCAL GOVERNMENTS
Unorthodox Locations
Vacuum Glorieta West Unit
Well Nos. 17 and 19
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. David R. Catanach

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well No. 17 had to be moved 100' North because of a buried pipeline and Well No. 19 had to be moved 100' West because of a buried pipeline.

Attached are Forms C-102, showing the amended locations for each well.

Yours very truly,

C. P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Case File
~~*10516*~~
10516
Mc S.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 17
Unit Letter C	Section 25	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1228 feet from the North line and 1399 feet from the West line					
Ground level Elev. 4008	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

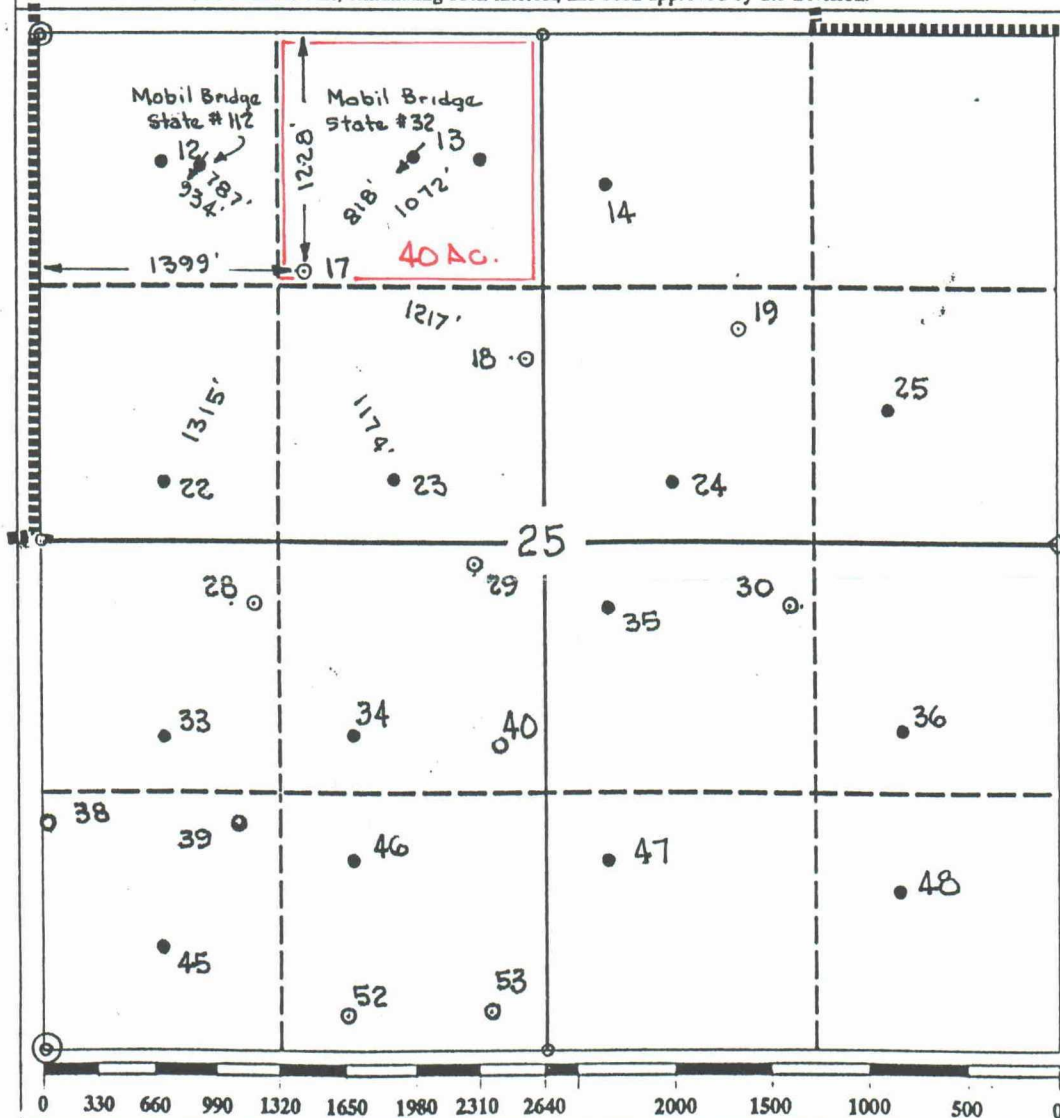
☒ Yes

☐ No

If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

November 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

October 29, 1992

Signature & Seal of
Professional Surveyor

[Signature]

Certificate No.

7254 J.S. Piper

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 19
Unit Letter G	Section 25	Township 17-South	Range 34-East	County NMPM Lea	
Actual Footage Location of Well: 1501 feet from the North line and 1620 feet from the East line					
Ground level Elev. 3997	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

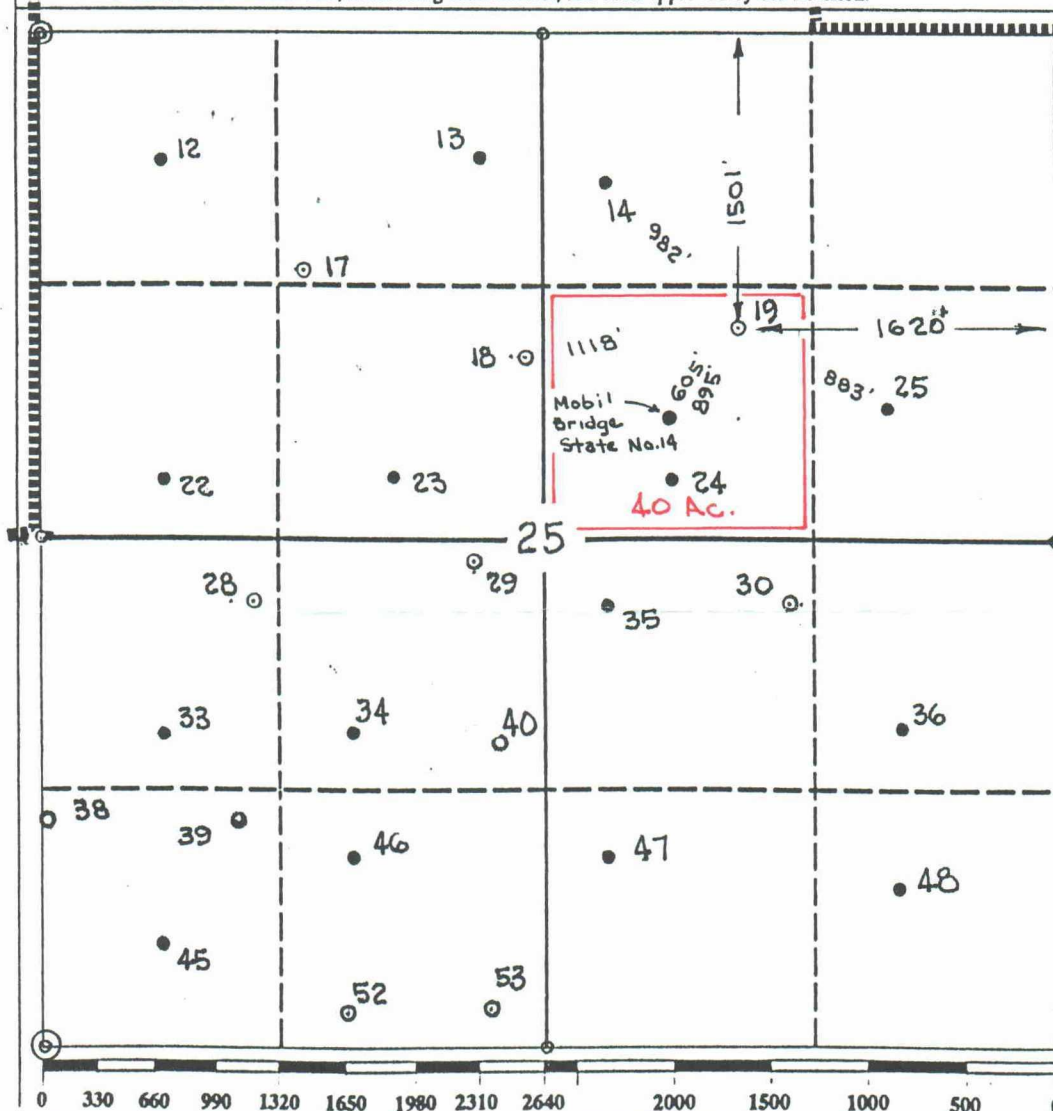
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein in true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

November 2, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

October 29, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

7254 J.S. Piper



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

January 8, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C. P. Basham, Drilling Operations Manager

*RE: Administrative Amendment to
Division Order No. R-9714.*

Dear Mr. Basham:

Reference is made to your letter dated December 17, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), to five certain injection well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations of five particular wells due to minor difficulties encountered when actually staking the locations.

By the authority granted me under the provisions of General Rule 104.F. the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

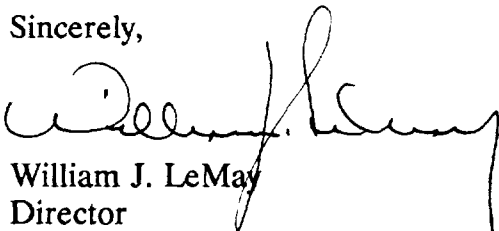
Texaco Exploration and Production
Attention: C. P. Basham
January 8, 1993
Page 2

By the authority granted me under the provisions of General Rule 104.F. the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

<u>Lease Name</u>	<u>Corrected Footage Location</u>	<u>U-L-S-T-R</u>	<u>VGWU Well No.</u>
Bridges State	1410' FSL - 1300' FWL	L-24-17S-34E	4
NM "Q" State	1377' FSL - 1646' FEL	J-25-17S-34E	41
NM "O" State	1728' FNL - 351' FEL	H-36-17S-34E	68
NM "O" State	2576' FSL - 149' FEL	I-36-17S-34E	82
State "I"	1426' FSL - 199' FWL	L-36-17S-34E	92

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,



William J. LeMay
Director

WJL/MES/jc

cc: Oil Conservation Division - Hobbs
File: Case No. 10516 ✓
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Received 12/21/92
Return 1/4/93

Attention: C. P. Basham, Drilling Operations Manager

RE: Administrative Amendment to
Division Order No. R-9714.

Dear Mr. Basham:

Reference is made to your letter dated ~~September 2, 1992~~ ^{December 17, 1992} requesting exceptions, pursuant to Division General Rule 104.F(1), to ~~eight~~ ^{five} certain injection well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

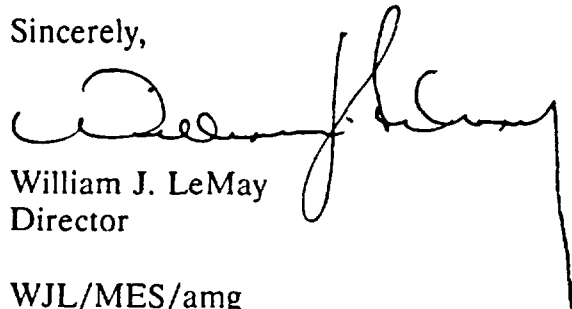
At this time, Texaco is seeking to change the proposed locations of ~~eight~~ ^{five} particular wells due to minor difficulties encountered when actually staking the locations.

By the authority granted me under the provisions of General Rule 104.F. the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

Lease Name	Corrected Footage Location	U-L-S-T-R	VGWU Well No.
Bridges State	1410' FSL - 1300' FWL	L-24-175-34E	4
NM "Q" State	1377' FSL - 1646' EEL	J-25-175-34E	41
NM "O" State	1728' FWL - 351' FEL	H-36-175-34E	68
NM "O" State	2576' FSL - 149' FEL	I-36-175-34E	82
State "I"	1426' FSL - 199' FWL	L-36-175-34E	92

All other provisions of said Order No. R-9714 shall remain in full force and effect until further notice.

Sincerely,



William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Hobbs
File: Case No. 10516
Oil Conservation Division - Michael E. Stogner
Oil Conservation Division - David R. Catanach

(b) Notice: 15 days before the hearing or by the 1st day of the month in which the hearing is held. Division of Oil, Gas and Mining.

Bond

1. Compliance bond required: Yes.
2. Conditions of bond: To the extent it constitutes a plugging and site reclamation bond.
 - (a) Amount per well: \$10,000.
 - (b) Amount of blanket bond: \$50,000.

Spacing

1. Spacing requirements: Yes. General statewide well siting and locating.
 - (a) Density: 40 acres for oil well, 640 acres for gas well - general well spacing requirements.
 - (b) Lineal: 1,000 feet between oil wells, 4,960 feet between gas wells.
2. Exceptions: Yes.
 - (a) Basis: Geological and/or topographical exceptions.
 - (b) Approval: Administratively providing that necessity and lease ownership are substantiated.

Pooling

1. Authority to establish voluntary: Yes.
2. Authority to establish compulsory: Yes.

Drilling Permit

1. Require permits for:
 - (a) Drilling a producing or service well? Yes.
 - (b) Seismic drilling? Yes.
 - (c) Recompletion? Yes.

UT - 1

91211

NAME

ALPHABETICALLY



Texaco USA
Producing Department
Midland Division

P.O. Box 31091
Midland TX 79702-3109

OIL CONSERVATION DIVISION
RECEIVED

92 DEC 21 AM 9 54

December 17, 1992

GOV - STATE AND LOCAL GOVERNMENTS

Unorthodox Locations
Vacuum Glorieta West Unit
Well Nos. 4, 41, 68, 82, and 92
Lea County, New Mexico

State of New Mexico
Energy and Minerals Department
Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87501-2088

Attention: Mr. David R. Catanach

Gentlemen:

Texaco Exploration and Production Inc. respectfully submits, for administrative approval, amended drilling locations for the captioned injection wells under Order No. R-9714.

Well Nos. 4, 41, and 68 were moved because of pipelines. Well No. 82 was moved because of an electric line. Well No. 92, permitted December 3, 1992, had to be moved because of topography. This move will avoid making a four foot cut to build the location.

Attached are Forms C-102 and a "detail" drawing showing the amended locations for each well.

Yours very truly,

C.P. Basham /cwh

C. P. Basham
Drilling Operations Manager

CWH:cwh

cc:NMOCD, P. O. Box 1980, Hobbs, NM 88240

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 4
Unit Letter L	Section 24	Township 17-South	Range 34-East	County Lea	
Actual Footage Location of Well: 1410 feet from the South line and 1300 feet from the West line					
Ground level Elev. 4011	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?

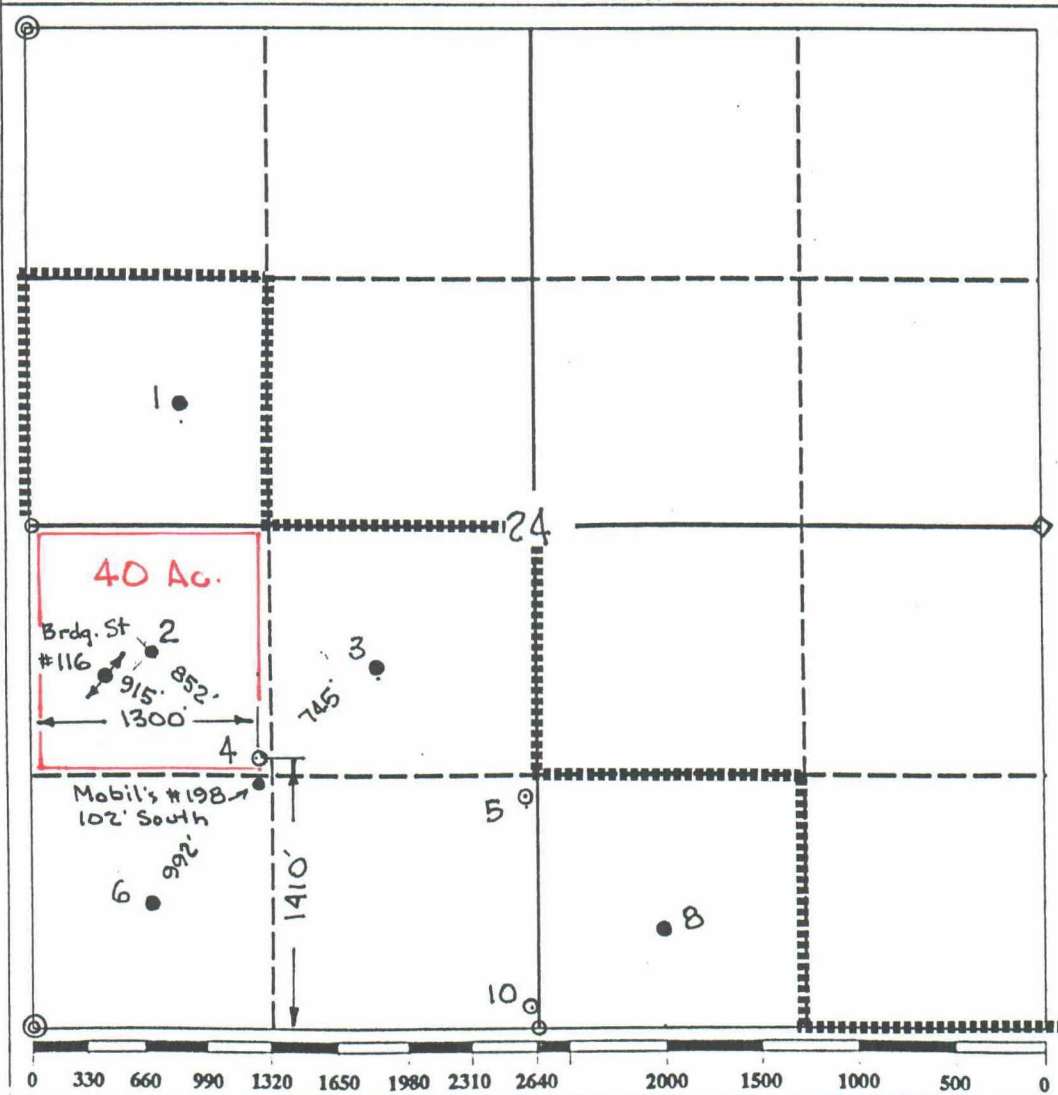
☒ Yes

☐ No

If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Royce D. Mariott

Printed Name

Royce D. Mariott

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

December 11, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

November 30, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

7254 John S. Piper

Lea Co. FB. 6, Pg. 62

PIPER SURVEYING COMPANY

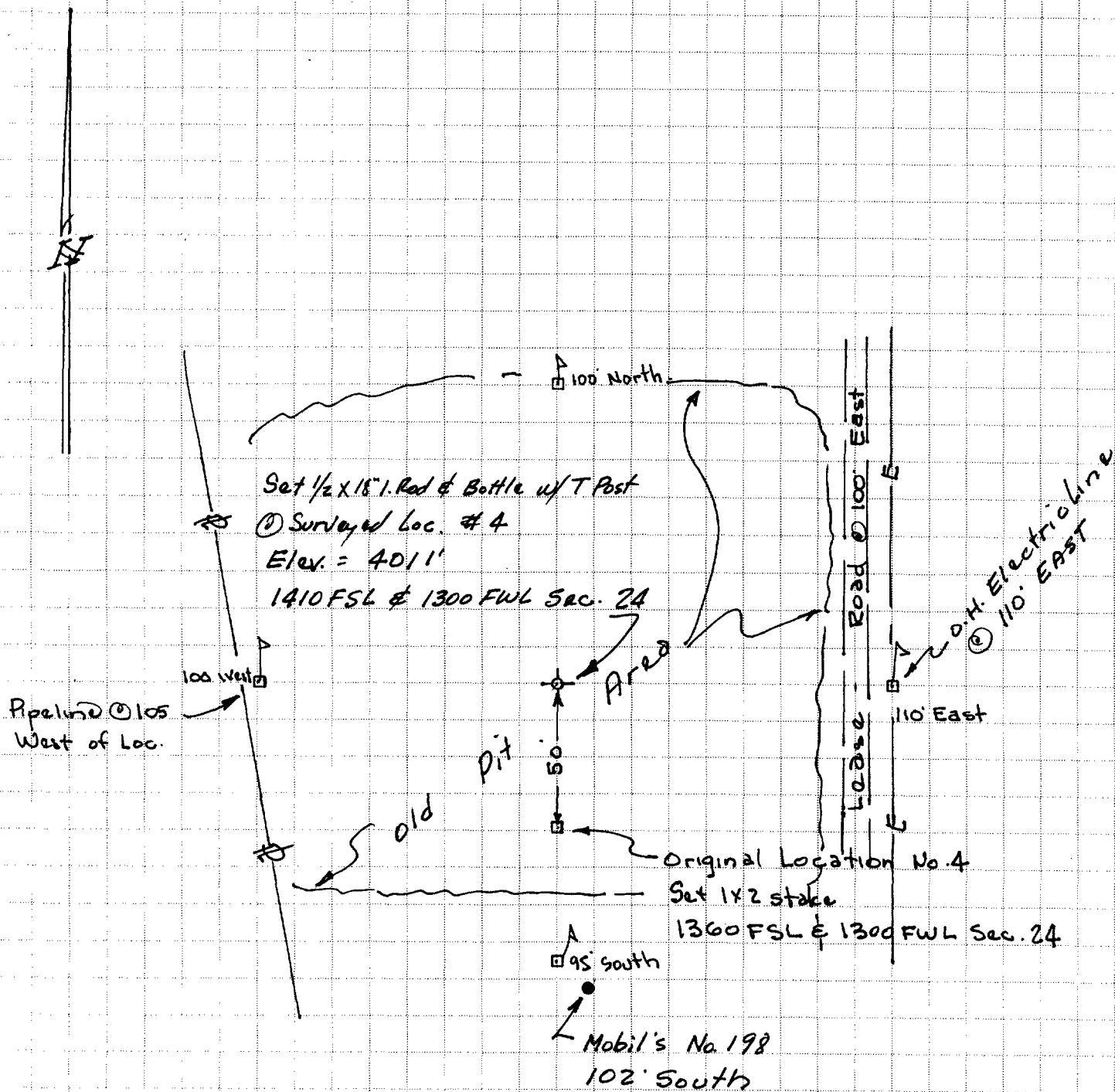
P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 2

CALCULATED BY O. Flores DATE 12/14/92

CHECKED BY J.S. Piper DATE 12/14/92

SCALE 1"=50 Feet



John S. Piper

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

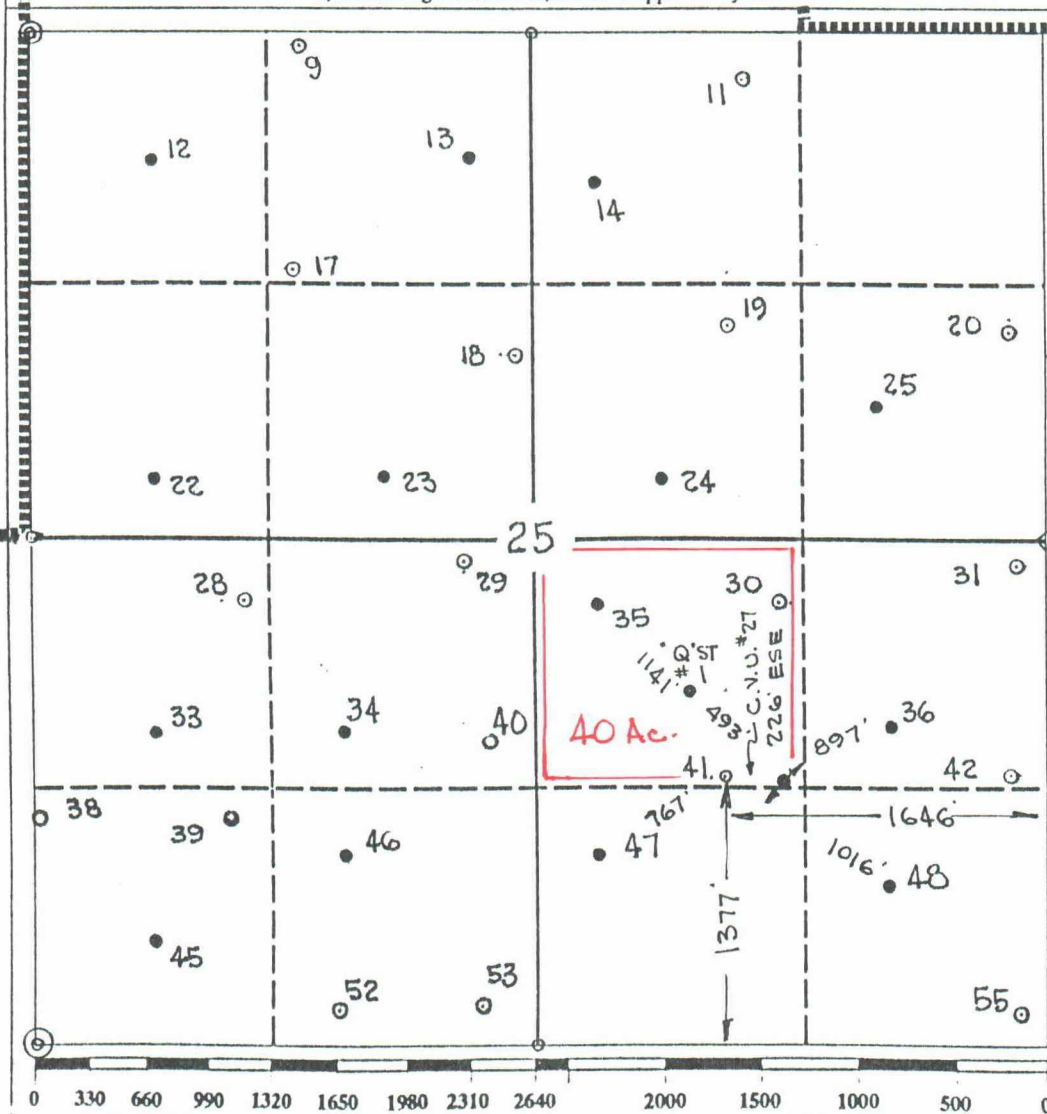
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 41
Unit Letter J	Section 25	Township 17-South	Range 34-East	County Lea	NMPM
Actual Footage Location of Well: 1377 feet from the South line and 1646 feet from the East line					
Ground level Elev. 3995	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool	Dedicated Acreage: 40 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
☒ Yes ☐ No If answer is "yes" type of consolidation Unitization
If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 10, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
November 30, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

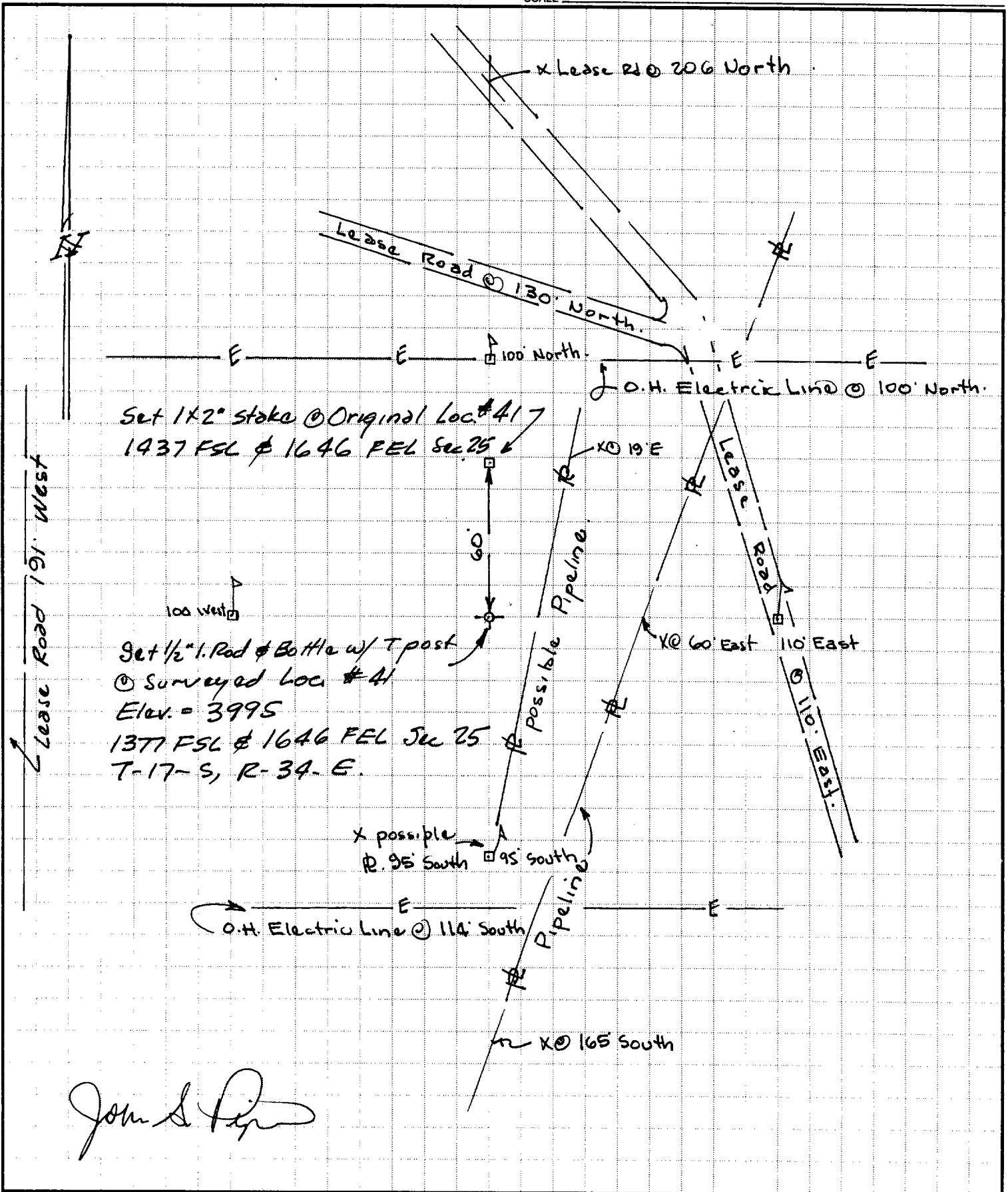
Certificate No.
7254 J.S. Piper

Lea Co. F.B. 6, Pg. 67

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

SHEET NO. 1 OF 2
CALCULATED BY O. Flores DATE 12/14/92
CHECKED BY J.S. Piper DATE 12/14/92
SCALE 1"=50 Feet



Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 68
Unit Letter H	Section 36	Township 17-South	Range 34-East	County Lea	NMPM
Actual Footage Location of Well: 1728 feet from the North line and 351 feet from the East line					
Ground level Elev. 3989	Producing Formation Glorieta; Paddock		Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

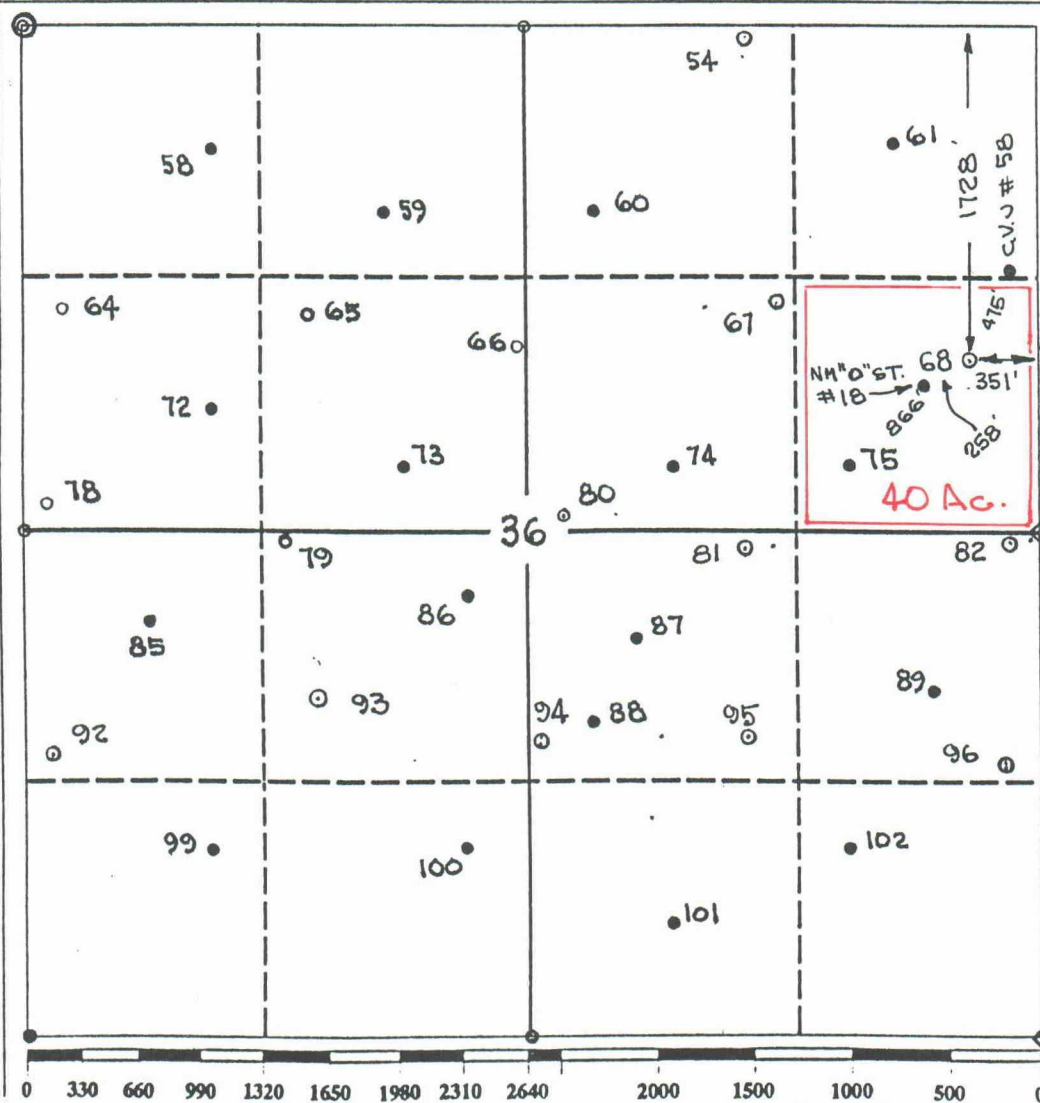
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

3. If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communization, unitization, force-pooling, etc.?

☒ Yes ☐ No If answer is "yes" type of consolidation Unitization

If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name

Royce D. Mariott

Position
Division Surveyor

Company
Texaco Expl. & Prod.

Date
December 10, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 8, 1992

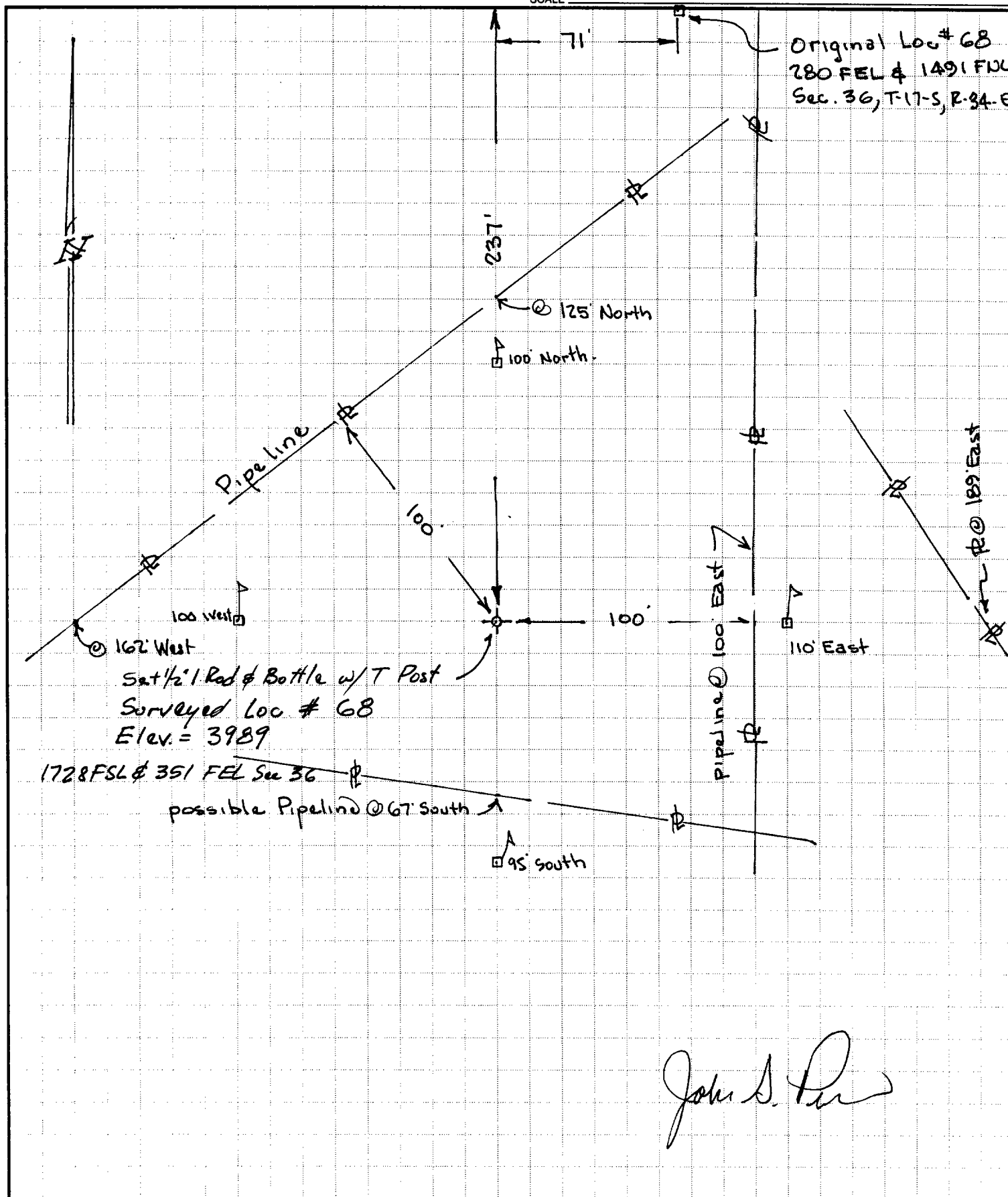
Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.
7254 John S. Piper

Lea Co. F.B. 6, Pg. 61

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810



OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

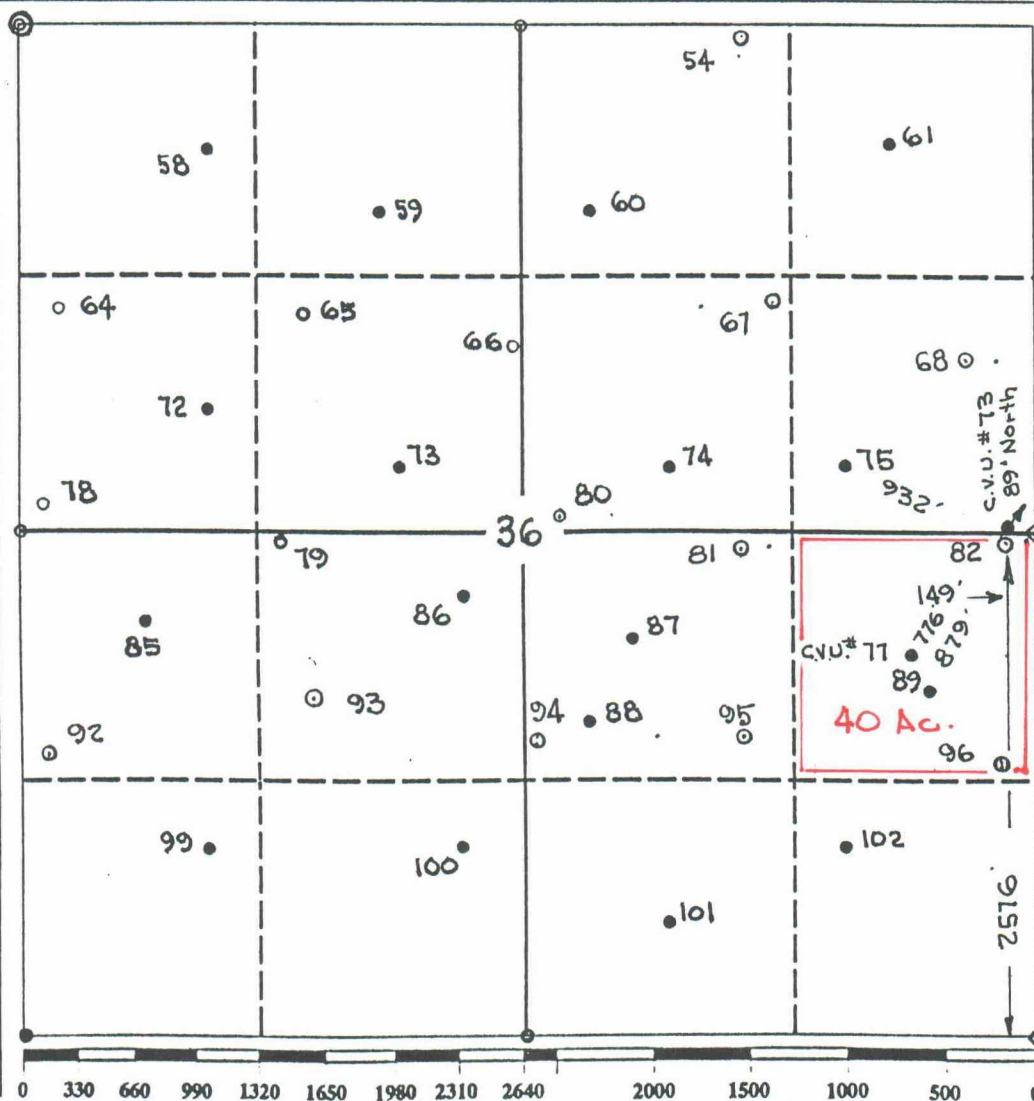
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 82
Unit Letter I	Section 36	Township 17-South	Range 34-East	County NMPM	Lea
Actual Footage Location of Well: 2576 feet from the South line and 149 feet from the East line					
Ground level Elev. 3986	Producing Formation Glorieta; Paddock	Pool Vacuum Glorieta Pool		Dedicated Acreage: 40 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
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If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)
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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature

Printed Name

Position

Division Surveyor

Company

Texaco Expl. & Prod.

Date

December 10, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

December 7, 1992

Signature & Seal of
Professional Surveyor

John S. Piper

Certificate No.

7254 John S. Piper

Lea Co. FB. 6, Pg. 72

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

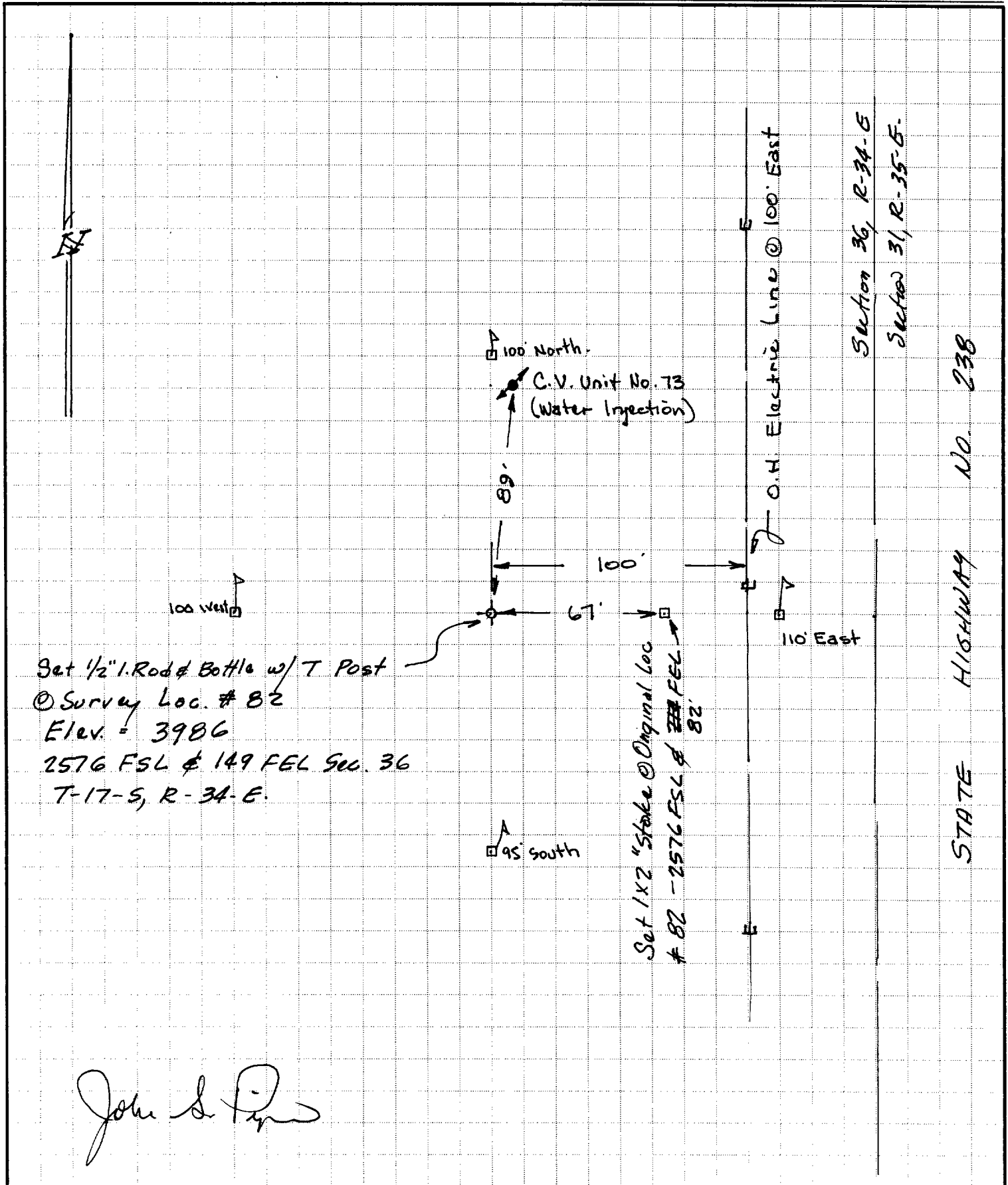
JOB Vacuum Glorieta West Uint Loc. 82

SHEET NO. 1 OF 2

CALCULATED BY O. Flores DATE 12/14/92

CHECKED BY J.S. Piper DATE 12/14/92

SCALE 1"=50 Feet



Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

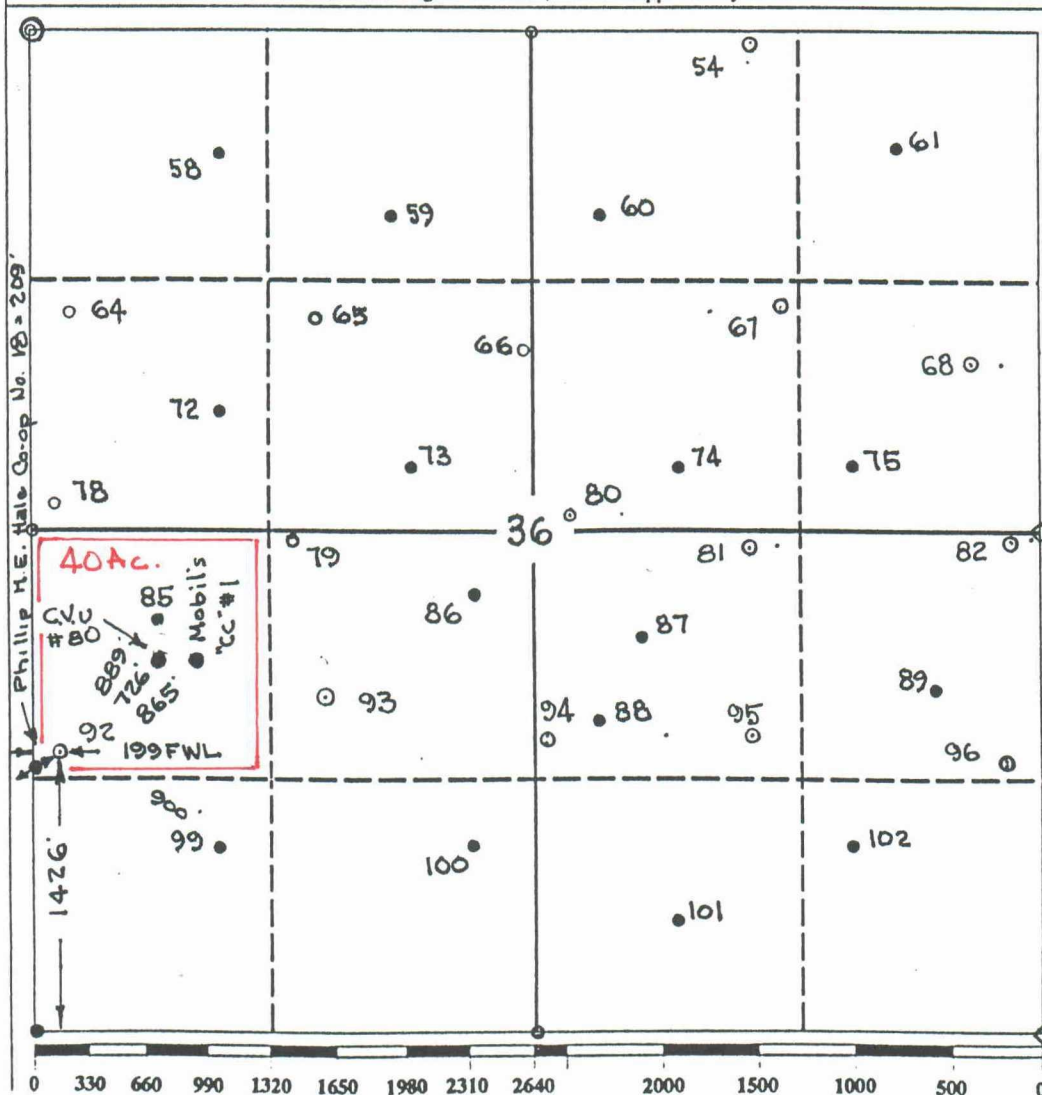
All Distances must be from the outer boundaries of the section

Operator TEXACO EXPL. AND PROD. Inc.			Lease VACUUM GLORIETA WEST UNIT		Well No. 92
Unit Letter L	Section 36	Township 17-South	Range 34-East	County Lea	

Actual Footage Location of Well:

1426 feet from the South line and		199 feet from the West line	
Ground level Elev. 3998	Producing Formation Glorieta; Paddock	Pool Vacuum 3Glorieta Pool	Dedicated Acreage: 40 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest of all owners been consolidated by communitization, unitization, force-pooling, etc.?
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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Signature
Royce D. Mariott
Printed Name
Royce D. Mariott
Position
Division Surveyor
Company
Texaco Expl. & Prod.
Date
December 15, 1992

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
December 12, 1992
Signature & Seal of
Professional Surveyor

John S. Piper
Certificate No.
7254 John S. Piper

Lea Co. FB. 6, Pg.73

PIPER SURVEYING COMPANY

P.O. Box 60432
MIDLAND, TEXAS 79711
(915) 550-7810

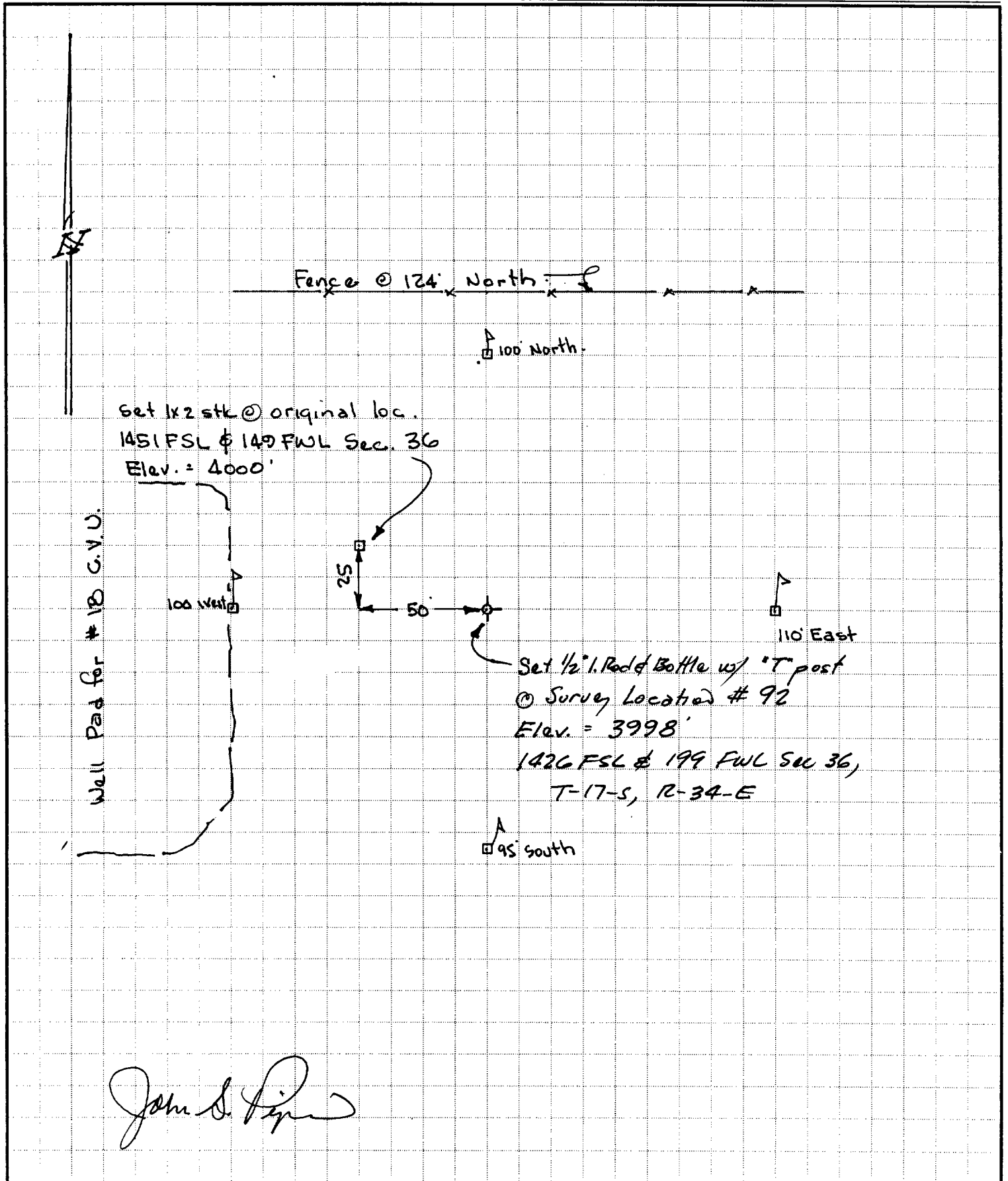
JOB Vacuum Glorieta West Uint Loc. 92

SHEET NO. 1 OF 2

CALCULATED BY O. Flores DATE 12/14/92

CHECKED BY J.S. Piper DATE 12/14/92

SCALE 1"=50 Feet





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

12-18-92

BRUCE KING
GOVERNOR

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

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

RE: Proposed:

MC
DHC
NSL ☒ *amend previously approved locations*
NSP
SWD
WFX
PMX

Gentlemen:

Vacuum Gloria West at 4-22417-34

I have examined the application for the:

41-825-17-34

68-H 36-17-34

82-I 36-17-34

Texaco Expl & Prod Inc.

Operator

Lease & Well No. Unit

S-T-R

92-L 36-17-34

and my recommendations are as follows:

*OK (I assume all well bore were checked
on original applicants)*

Yours very truly,

Jerry Sexton
Jerry Sexton
Supervisor, District 1

/ed



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



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

January 8, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C. P. Basham, Drilling Operations Manager

*RE: Administrative Amendment to
Division Order No. R-9714.*

Dear Mr. Basham:

December 17
Reference is made to your letter dated ~~September 2~~, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), to ~~eight~~ ^{five} certain injection well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations of ~~eight~~ ^{five} particular wells due to minor difficulties encountered when actually staking the locations.

By the authority granted me under the provisions of General Rule 104.F. the following eight unorthodox injection well locations are hereby approved. Further, Exhibit "A" of Order No. R-9714 shall be amended to reflect the following location changes:

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



BRUCE KING
GOVERNOR
ANITA LOCKWOOD
CABINET SECRETARY

January 8, 1993

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

Texaco Exploration and Production Company
P.O. Box 3109
Midland, TX 79702-3109

Attention: C. P. Basham, Drilling Operations Manager

RE: Administrative Amendment to
Division Order No. R-9714.

Dear Mr. Basham:

Reference is made to your letters dated September 2, 1992 requesting exceptions, pursuant to Division General Rule 104.F(1), to eight certain injection well locations, all previously approved by Division Order No. R-9714, issued in Case No. 10516 and dated September 3, 1992, all in the Vacuum-Glorieta Pool, Vacuum Glorieta West Unit, Lea County, New Mexico.

Said Division Order R-9714 authorized the applicant to institute its Vacuum Glorieta West Unit Waterflood Project in portions of Townships 17 and 18 South, Ranges 34 and 35 East, NMPM, Lea County, New Mexico by permitting the injection of water into one existing well and fifty-nine wells to be drilled.

At this time, Texaco is seeking to change the proposed locations of eight particular wells due to minor difficulties encountered when actually staking the locations.

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Texaco North America Production
Petroleum Business Unit

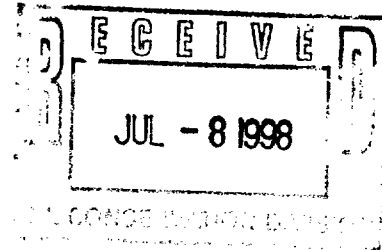
500 North Loop West
Midland TX 79701

P.O. Box 3109
Midland TX 79702

July 2, 1998

Handwritten: DUC CASE FILE 10516

State of New Mexico
Oil Conservation Division
New Mexico Department of
Energy, Minerals, and Natural Resources
Post Office Box 6429
Santa Fe, New Mexico 87505



RE: **EOR STATUS REPORT**
Vacuum Glorieta West Unit
Lea County, New Mexico

Gentlemen:

Texaco Exploration & Production Inc., as operator of the Vacuum Glorieta West Unit, submits its annual production report on the Vacuum Glorieta West Unit as required by Rule F1a of the Rules and Procedures for Qualifications of Enhanced Oil Recovery Projects and Certification for the Recovered Oil Tax Rate promulgated by Division Order No. R-9708 on August 27, 1992. The project is still a viable EOR project as approved by Division Order No. R-9714 on December 8, 1992. The Positive Production Response Certification was granted by Division Order No. R-10321 on March 7, 1995. The effective date of certification was January 1, 1994.

Attached are production curves of oil, gas, and water production as well as water injection and average injection pressure. This data is also given in tabular form with the production and injection well counts back to the start of the Unit.

If any additional information is required, please contact Kevin F. Hickey at (915) 688-2950.

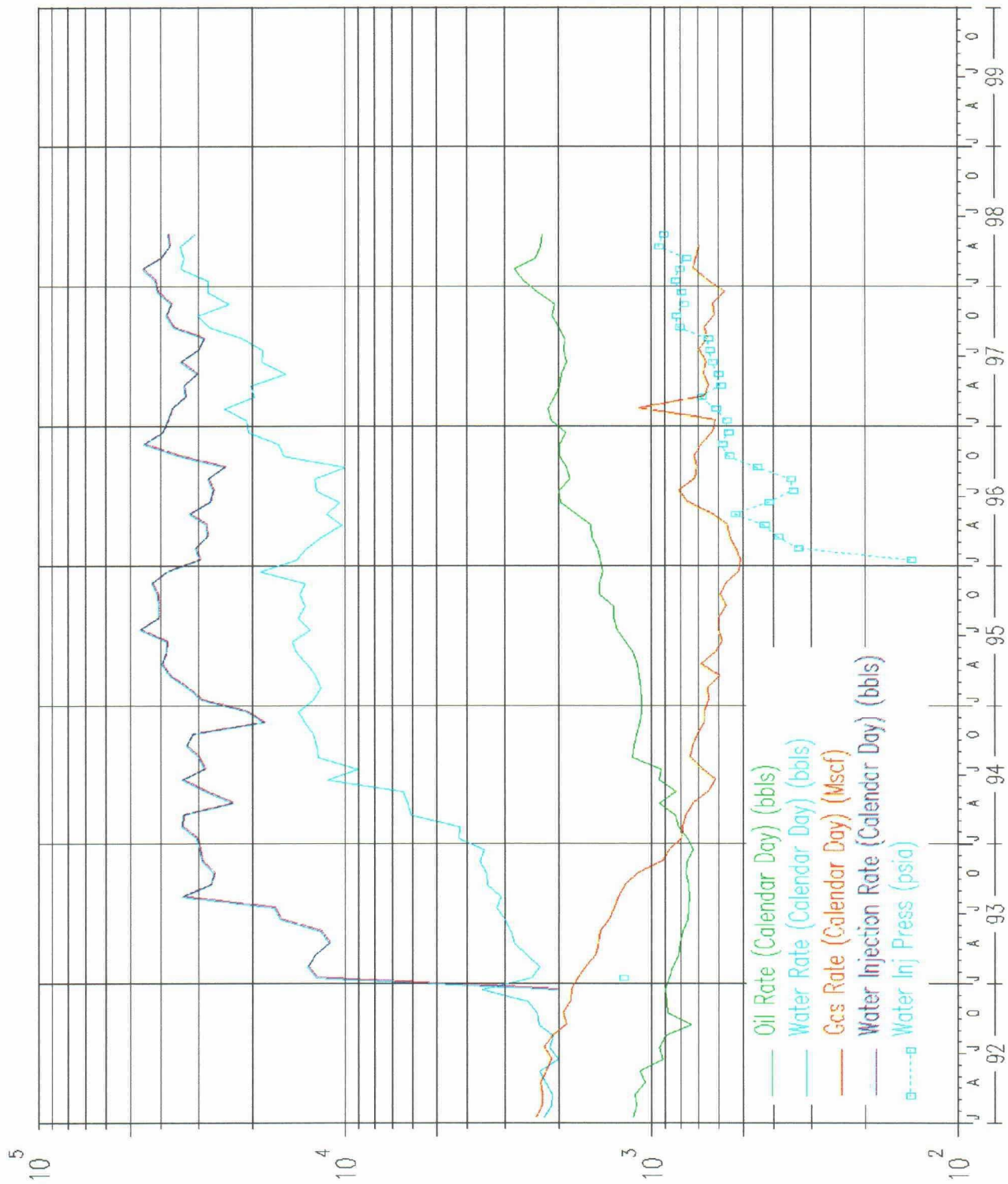
Yours very truly,

Handwritten signature: Charles E. Sadler / KFH

Charles E. Sadler
Asset Team Manager

KFH-NAZ
Attachment

VACUUM GLORIETA WEST UNIT



VACUUM GLORIETA WEST UNIT

DATE	Oil	Gas	Water	Water Inj.	WI Press	Producers	Injectors
1/1/92	35585	74034	69746	0	0	48	0
2/1/92	32366	66376	61282	0	0	44	0
3/1/92	35110	71051	65489	0	0	45	0
4/1/92	31448	69440	66281	0	0	46	0
5/1/92	33899	68738	71820	0	0	45	0
6/1/92	27613	64085	60374	0	0	45	0
7/1/92	29165	70115	66478	0	0	45	0
8/1/92	28050	65143	64723	0	0	44	0
9/1/92	22283	57247	69744	0	0	43	0
10/1/92	27488	60651	73163	0	0	46	0
11/1/92	26736	55354	76071	0	0	47	0
12/1/92	28015	56726	110134	63222	92	47	12
1/1/93	27074	54095	76516	382609	245	47	12
2/1/93	23822	46212	65003	371130	41	47	12
3/1/93	25248	47217	78906	388962	50	48	12
4/1/93	24120	45017	84206	338319	92	48	12
5/1/93	24540	45805	88947	371439	73	48	12
6/1/93	22872	41384	89835	487558	36	48	18
7/1/93	23424	41252	99282	524936	40	48	19
8/1/93	23234	39854	96202	1054527	46	49	33
9/1/93	22723	36662	102672	825022	50	49	45
10/1/93	23815	34434	106903	828986	46	48	51
11/1/93	22966	27727	108560	875219	48	48	52
12/1/93	22713	27099	108844	925971	59	48	52
1/1/94	23604	24817	131423	943064	42	50	52
2/1/94	22849	22286	118117	953685	51	54	52
3/1/94	25860	24050	189109	1046876	57	54	52
4/1/94	28284	22016	187187	693720	51	54	52
5/1/94	25816	20277	200459	881626	66	52	54
6/1/94	28350	18680	342619	1023529	38	52	54
7/1/94	28899	21344	281025	890654	18	54	54
8/1/94	35692	23249	378616	929552	43	54	54
9/1/94	34226	22080	372406	991993	46	51	54
10/1/94	34698	22062	392426	976979	43	50	54
11/1/94	32819	20270	404814	554501	50	51	54
12/1/94	33398	20857	441169	650536	49	50	52
1/1/95	33356	20270	393037	910601	49	47	51
2/1/95	30372	18436	335907	914019	57	47	53
3/1/95	33973	18668	384914	1154733	57	49	54
4/1/95	33374	20771	397214	1191641	59	50	54
5/1/95	35671	19313	446676	1189191	65	50	54
6/1/95	36530	17719	447450	1144707	48	50	54
7/1/95	39989	18773	403051	1244944	58	49	54
8/1/95	41126	18818	439608	1263792	66	48	54
9/1/95	39766	17218	405994	1217661	72	47	54
10/1/95	45795	18572	434682	1272167	78	45	54
11/1/95	44222	17179	405489	1279338	81	45	54
12/1/95	44798	16087	584999	1180128	88	43	54

VACUUM GLORIETA WEST UNIT

DATE	Oil	Gas	Water	Water Inj.	WI Press	Producers	Injectors
1/1/96	45497	15894	446923	924477	143	41	53
2/1/96	43338	15520	386499	893020	333	42	47
3/1/96	48476	17316	367605	871669	389	43	48
4/1/96	47322	17067	307100	850389	431	41	41
5/1/96	54300	19709	356416	994417	537	40	44
6/1/96	58605	22640	309401	820022	417	40	41
7/1/96	61947	25219	383560	836852	346	40	41
8/1/96	57267	22390	387678	866905	352	39	40
9/1/96	56705	21396	299721	739765	454	39	39
10/1/96	61831	22584	490152	1074460	560	41	46
11/1/96	59768	20637	493194	1120315	591	42	50
12/1/96	59082	19664	641351	1220275	564	42	50
1/1/97	65791	19211	649713	1176597	570	42	50
2/1/97	60809	30929	690601	1029631	618	40	50
3/1/97	63907	20860	612466	1027651	691	40	50
4/1/97	59522	19649	607657	1007118	597	40	50
5/1/97	60896	20996	486337	943884	609	40	50
6/1/97	56693	20016	558714	1032266	634	38	50
7/1/97	59726	21773	574760	938941	649	39	49
8/1/97	59273	20407	667403	893725	658	39	49
9/1/97	60015	20227	829197	1088647	815	38	49
10/1/97	65207	19419	934328	1193014	834	37	52
11/1/97	62121	18967	717627	1108435	788	39	52
12/1/97	72754	17955	868873	1269931	805	38	51
1/1/98	80838	20390	865685	1289190	838	36	51
2/1/98	78378	20555	959164	1286796	814	36	47
3/1/98	74075	22266	1042994	1239161	774	38	51
4/1/98	68948	21047	1037163	1124376	951	37	51
5/1/98	70512	0	959332	1173455	919	38	51

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

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 10516

APPLICATION OF TEXACO EXPLORATION
AND PRODUCTION, INC. FOR A
WATERFLOOD PROJECT, LEA COUNTY,
NEW MEXICO

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OIL CONSERVATION DIVISION

ENTRY OF APPEARANCE

COMES NOW Kellahin, Kellahin & Aubrey (W. Thomas
Kellahin, Esq.) and enters their appearance on behalf
of MARATHON OIL COMPANY in the above-captioned matter.

Respectfully submitted,


KELLAHIN, KELLAHIN & AUBREY,

By: 

W. Thomas Kellahin
Post Office Box 2265
Santa Fe, New Mexico 87504
(505) 982-4285

CERTIFICATE OF SERVICE

I hereby certify that a true and correct copy of
the foregoing Entry of Appearance was hand-delivered to
Texaco Exploration and Production Inc., c/o William F.
Carr, Campbell, Carr, Berge & Sheridan, Jefferson
Place, San Francisco and Guadalupe Streets, Santa Fe,
New Mexico 87501 on this 15th day of July, 1992.


W. Thomas Kellahin

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
BRADFORD C. BERGE
MARK F. SHERIDAN
WILLIAM P. SLATTERY

PATRICIA A. MATTHEWS
MICHAEL H. FELDEWERT

JACK M. CAMPBELL
OF COUNSEL

JEFFERSON PLACE
SUITE 1 - 110 NORTH GUADALUPE
POST OFFICE BOX 2208
SANTA FE, NEW MEXICO 87504-2208
TELEPHONE (505) 988-4421
TELECOPIER (505) 983-6043

July 1, 1992

HAND-DELIVERED

RECEIVED

Case 10516

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
State Land Office Building
Santa Fe, New Mexico 87503

JUL 1 1992
OIL CONSERVATION DIVISION

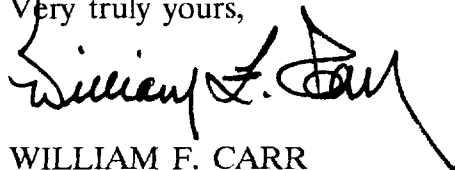
Re: In the Matter of the Application of Texaco Exploration and Production Inc. for a
Waterflood Project, Lea County, New Mexico

Dear Mr. LeMay:

Enclosed are two complete copies of Texaco Exploration and Production Inc.'s Form C-108 in the above-referenced case. This case is currently scheduled for hearing before a Division Examiner on July 23, 1992.

By copy of this letter, we are also transmitting to the Hobbs District Office a complete Form C-108 in this case.

Very truly yours,



WILLIAM F. CARR

WFC:mlh

Enclosures

cc w/enc.: Mr. Mike Mullins

CASE 10516:

Application of Texaco Exploration and Production Inc. for approval of a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of its Vacuum Glorieta West Unit Waterflood Project by injection of water into the Glorieta and Paddock formations through sixty injection wells located in the following described area:

TOWNSHIP 17 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 24: SW/4; SW/4 NW/4; SW/4 SE/4
Section 25: All
Section 26: E/2 SE/4
Section 35: NE/4; N/2 SE/4; SE/4 SE/4
Section 36: All

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JUN 11 1977

OIL CONSERVATION DIVISION

TOWNSHIP 17 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 30: Lots 1, 2, 3, 4 (W/2 W/2)
Section 31: Lots 1, 2, 3, 4 (W/2 W/2)

TOWNSHIP 18 SOUTH, RANGE 34 EAST, N.M.P.M.

Section 1: Lots 1, 2, 3, 4; S/2 NE/4
Section 2: Lot 1 (NE/4 NE/4)

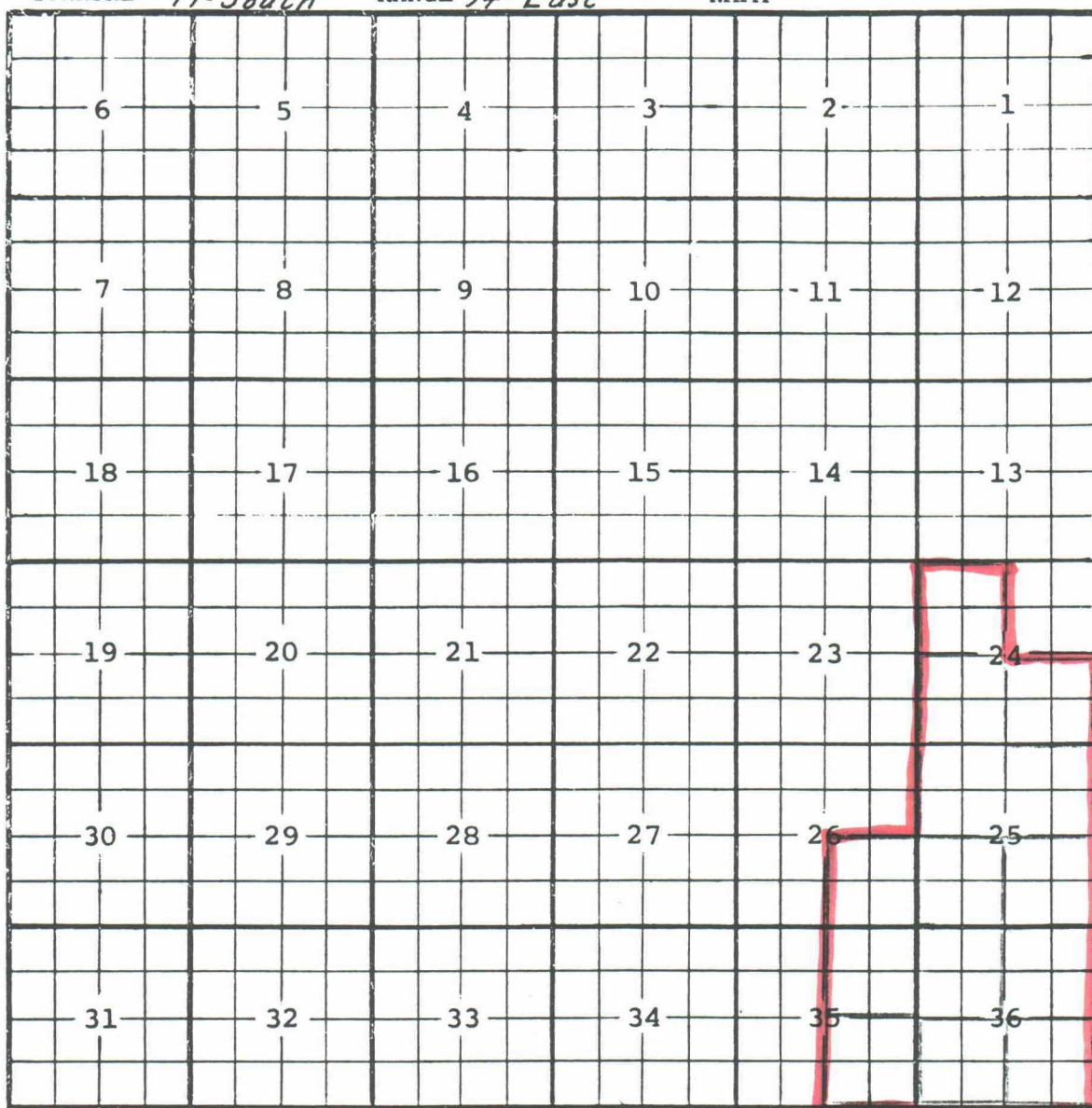
TOWNSHIP 18 SOUTH, RANGE 35 EAST, N.M.P.M.

Section 6: Lots 1, 2, 3, 4, 5; SE/4 NW/4; S/2 NE/4 (N/2)

The applicant requests that the Division establish procedures for the administrative approval of additional injection wells within the unit area without the necessity of further hearings and the adoption of any provisions necessary for such other matters as may be appropriate for said waterflood operations. Said area of interest is located _____.

COUNTY LeaPOOL Vacuum-GlorietaTOWNSHIP 17-SouthRANGE 34-East

NMPM



Special Vertical Limits: Top pool @ 5840' (-1824') bottom of pool found 275' above Blinbry marker found at 6510' (-2494'). Type Log: Socony Mobil, State Bridges #95-P 26-175-34E.

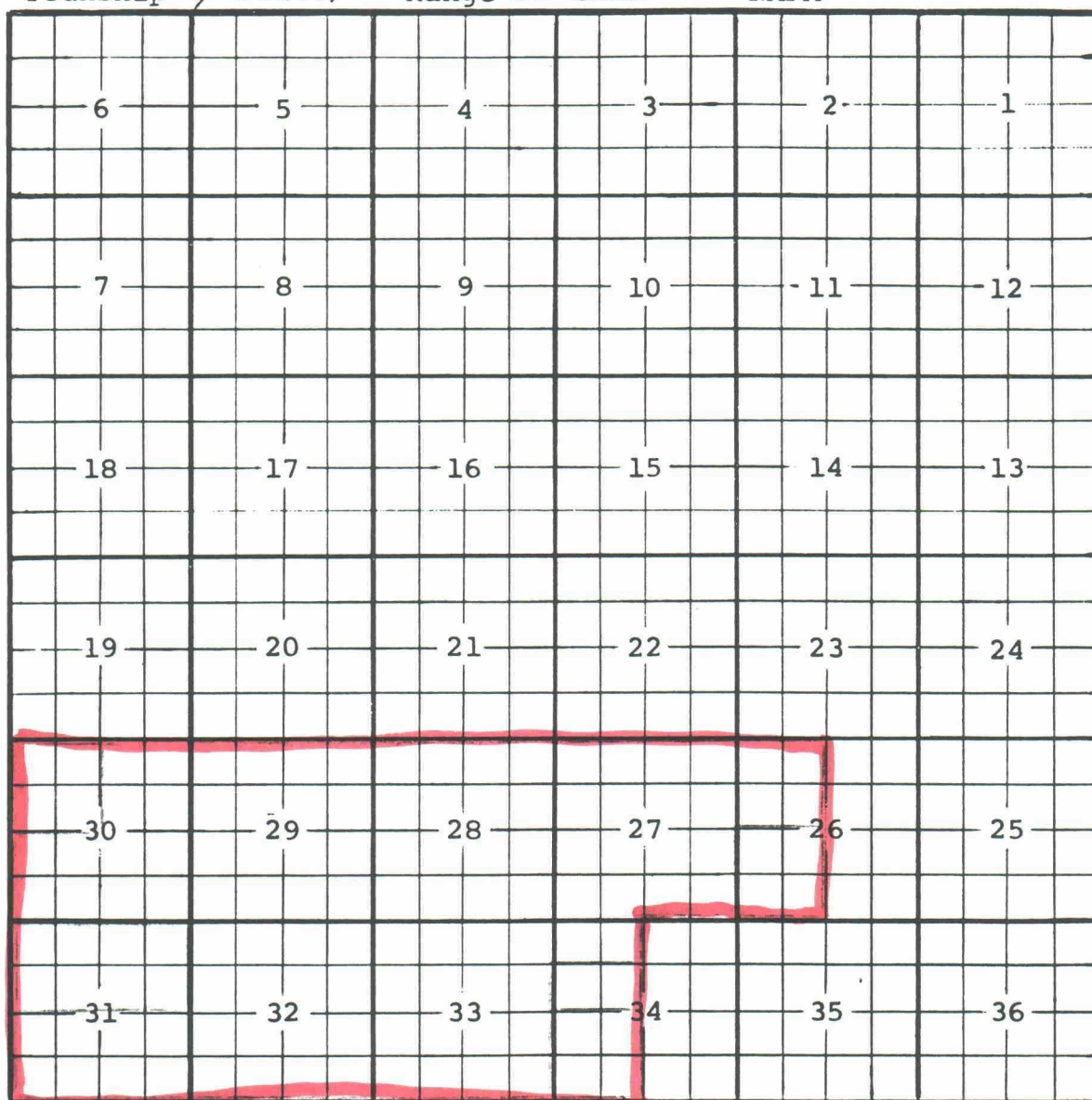
Description: $\frac{SE}{4}$ Sec. 36, (R-24494-1-63).

Ext: $\frac{SW}{4}$ Sec. 36 (R-2485, 6-1-63) - $\frac{SW}{4}$ Sec. 25; $\frac{SE}{4}$ Sec. 26; $\frac{NE}{4}$ Sec. 35; $\frac{NW}{4}$ Sec. 36 (R-2552, 9-1-63) - $\frac{SW}{4}$ Sec. 24; $\frac{NW}{4}$ & $\frac{SE}{4}$ Sec. 25; $\frac{NE}{4}$ Sec. 36 (R-2620, 1-1-64) - $\frac{SE}{4}$ Sec. 35 (R-2705, 6-1-64) - $\frac{NE}{4}$ Sec. 25 (R-2833, 1-1-65) - $\frac{NW}{4}$ Sec. 24 (R-3166, 1-1-67).

Ext: $\frac{SE}{4}$ Sec. 24 (R-7334, 8-19-83)

County LeaPool Vacuum-GlorietaTounship 17 SouthRange 35 East

NMPM



Ext: $\frac{N}{2}$ Sec. 31 (R-2620, 1-1-64) - $\frac{NW}{4}$ Sec. 26; All Sec. 27, 28 & 29; $\frac{S}{2}$ & $\frac{NE}{4}$ Sec. 30;
 $\frac{S}{2}$ Sec. 31; All Sec. 32 & 33; $\frac{N}{2}$ $\frac{NW}{4}$ Sec. 34 (R-2705, 6-1-64) - $\frac{NW}{4}$ Sec. 30;
 $\frac{S}{2}$ $\frac{NW}{4}$ Sec. 34 (R-2760, 9-1-64) - $\frac{SW}{4}$ Sec. 26 (R-2870, 3-1-65)
- $\frac{SW}{4}$ Sec. 34 (R-2967, 10-1-65)

County Lea

Pool Vacuum - Glorieta

Township 18 South

Range 34 East

NMPM

6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

Ext: $\frac{N}{2}$ Sec. 1 (R-2670, 1-1-64) - $\frac{NE}{4}$ Sec. 2 (R-2833, 1-1-65)

COUNTY Lea

POOL

Vacuum - GlorietaTOWNSHIP 18 SouthRANGE 35 East

NMPM

6	5	4	3	2	1	
7	8	9	10	11	12	
18	17	16	15	14	13	
19	20	21	22	23	24	
30	29	28	27	26	25	
31	32	33	34	35	36	

Ext: NW $\frac{1}{4}$ Sec. 5; NW $\frac{1}{4}$ Sec. 6 (R-2760, 9-1-64) - NE $\frac{1}{4}$ Sec. 5; NE $\frac{1}{4}$ Sec. 6 (K-2833 1-1-65)

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

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

Case No. 10516
Order No. R-_____

APPLICATION OF TEXACO EXPLORATION AND
PRODUCTION INC. FOR A WATERFLOOD PROJECT,
LEA COUNTY, NEW MEXICO.

**TEXACO'S PROPOSED
ORDER OF THE DIVISION**

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on July 23, 1992, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this _____ day of July, 1992, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS THAT:

(1) Due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.

(2) The applicant, Texaco Exploration and Production Inc. ("Texaco") seeks authority to institute a waterflood project in its Vacuum Glorieta West Unit by the injection of water into the Glorieta and Paddock formations, Vacuum Glorieta Pool, through the gross perforated and/or open hole interval from approximately 5,950 feet to a depth of 6,230 feet in sixty (60) existing or newly drilled wells as shown on Exhibit "A" attached hereto.

(3) By Order No. R-_____ issued in Case No. 10515 on July __, 1992, the Division, upon application of Texaco, approved the Vacuum Glorieta West Unit which comprises some 2778.86 acres, more or less, in Townships 17 and 18 South, Ranges 34 and 35 East, N.M.P.M., Lea County, New Mexico.

(4) The vast majority of wells located within the applicant's Vacuum Glorieta West Unit Area are in an advanced state of depletion and should properly be classified as "stripper wells".

(5) The proposed waterflood project should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(6) The applicant should take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or unto the surface from injection, production, or plugged and abandoned wells.

(7) The injection of water into each of the wells shown on Exhibit "A" should be accomplished through internally cement-lined tubing installed in a packer set within 100 feet of the uppermost injection perforation or casing shoe; the casing-tubing annulus should be filled with an inert fluid and a gauge or approved leak-detection device should be attached to the annulus in order to determine leakage in the casing, tubing or packer.

(8) Prior to commencing injection operations into the wells shown on Exhibit "A", the casing in each well should be pressure tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(9) There are sixty (60) proposed injection wells and sixty-nine (69) producing wells located within the "area of review", shown on Exhibit "B" attached hereto, which may not be completed or cemented in such a manner which will assure that their wellbores will not serve as a conduit for movement of injected fluid out of the injection interval.

(10) Prior to initiating injection operations into the sixty (60) proposed injection wells or in any other injection well located within one-half mile of any of the producing wells shown on Exhibit "B", the applicant should be required to complete or re-cement or undertake such other actions as are necessary to assure that said wells are completed in a manner which will assure that these wellbores will not serve as a conduit for migration of injected fluid and to the satisfaction of the supervisor of the Hobbs District Office of the Division.

(11) There are fifteen (15) previously plugged and abandoned wells located within the "area of review" as shown on Exhibit "C" attached hereto.

(12) Prior to initiating injection operations into any injection well located within one-half mile of the wells shown on Exhibit "C", the applicant should be required to demonstrate to the satisfaction of the supervisor of the Hobbs District Office of the Division that these wellbores will not serve as a conduit for migration of injected fluid.

(13) The injection wells or pressurization system should be initially equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 0.2 psi per foot of depth to the top injection perforation, or in the case of open hole completions, the casing shoe.

(14) The applicant presented information regarding the exact location of injection perforations or open hole injection intervals in each of the proposed sixty (60) injection wells.

(15) If the injection interval in any well is changed, applicant should be required to submit the exact location of the injection interval in each proposed injection well to the Santa Fe Office of the Division in order that maximum surface injection pressures may be assigned to such wells.

(16) The Division Director should have the authority to administratively authorize a pressure limitation in excess of the pressure limitation described in Finding No. (13) above upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(17) The operator should give advance notification to the supervisor of the Hobbs District Office of the Division of the date and time of the installation of injection equipment, of the mechanical integrity pressure tests, and of the conductance of any remedial cement or plugging operations in order that the same may be witnessed.

(18) Prior to commencing injection operations into the proposed Vacuum Glorieta West Unit Wells 21, 43, 69, 97, 109 and 110, the applicant should be required to submit to the Santa Fe Office of the Division an executed copy of an Injection Lease-Line Agreement.

(19) The application should be approved and the project should be governed by the provisions of Rule Nos. 701 through 708 of the Oil Conservation Division Rules and Regulations.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Texaco Exploration and Production Inc. ("Texaco") is hereby authorized to institute a waterflood project in its Vacuum Glorieta West Unit by the injection of water into the Glorieta and Paddock formations, Vacuum Glorieta Pool, through the gross perforated and/or open hole interval from approximately 5,950 feet to a depth of 6,230 feet in sixty (60) existing or newly drilled wells as shown on Exhibit "A" attached hereto.

(2) The applicant shall take all steps necessary to ensure that the injected water enters only the proposed injection interval and is not permitted to escape to other formations or unto the surface from injection, production, or plugged and abandoned wells.

(3) Injection into the proposed injection wells shall be accomplished through cement-lined tubing installed in a packer set approximately within 100 feet of the uppermost injection perforation or casing shoe; the casing-tubing annulus in each well shall be filled with an inert fluid and equipped with an approved pressure gauge or attention-attracting leak detection device.

(4) The injection wells or pressurization system shall be equipped with a pressure control device or acceptable substitute which will limit the surface injection pressure to no more than 0.2 psi per foot of depth to the top injection perforation, or in the case of open hole completions, the casing shoe.

(5) The applicant shall submit information, as it becomes known, as to the exact location of the injection interval in each of the proposed injection wells to the Santa Fe Office of the Division in order that maximum surface injection pressures may be assigned to such wells.

(6) The Division Director shall have the authority to administratively authorize a pressure limitation in excess of the above upon a showing by the operator that such higher pressure will not result in the fracturing of the injection formation or confining strata.

(7) Prior to commencing injection operations into the proposed injection wells, the casing in each well shall be pressure-tested throughout the interval from the surface down to the proposed packer setting depth, to assure the integrity of such casing.

(8) Prior to initiating injection operations into the sixty (60) proposed injection wells or in any other injection well located within one-half mile of any of the producing wells shown on Exhibit "B", the applicant shall be required to complete or re-cement or undertake such other actions as are necessary to assure that said wells are completed in a manner which will assure that these wellbores will not serve as a conduit for migration of injected fluid and to the satisfaction of the supervisor of the Hobbs District Office of the Division.

(9) Prior to initiating injection operations into any injection well located within one-half mile of the wells shown on Exhibit "C", the applicant shall demonstrate to the satisfaction of the supervisor of the Hobbs District Office of the Division that no wellbore will serve as a conduit for the migration of injection fluid.

(10) The operator shall give advance notification to the supervisor of the Hobbs District Office of the Division of the date and time of the installation of injection equipment, of the mechanical integrity pressure tests, and of the conductance of any remedial cement or plugging operations in order that the same may be witnessed.

(11) The applicant shall immediately notify the supervisor of the Hobbs District Office of the Division of the failure of the tubing, casing or packer in any of the injection wells, the leakage of water or oil from or around any producing well, or the leakage of water or oil from any plugged and abandoned well within the project area, and shall take such steps as may be timely and necessary to correct such failure or leakage.

(12) Prior to commencing injection operations into the proposed Vacuum Glorieta West Unit Wells 21, 43, 69, 97, 109 and 110, the applicant shall submit to the Santa Fe Office of the Division an executed copy of an Injection Lease-Line Agreement.

(13) The subject waterflood project is hereby designated the Vacuum Glorieta West Unit Waterflood Project, and the applicant shall conduct injection operations in accordance with Division Rule Nos. 701 through 708 and shall submit monthly progress reports in accordance with Division Rule Nos. 706 and 1115.

Case No. 10516

Order No. R-_____

Page 6

(14) Jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

WILLIAM J. LeMAY
Director

S E A L

VACUUM GLORIETA WEST UNIT

ATTACHMENT III TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT

PROPOSED CONVERTED PRODUCER TO INJECTION WELL

NEW WELL		WELL									
DESIGNATION	LEASE NAME	NO	API NUMBER	UNIT	SEC	TWN	RANGE	OPERATOR	STATUS	FOOTAGE	LOCATION
VGWU	1	BRIDGES STATE	113	3002521830	E	24	17S	34E	MOBIL	GLRT PROD	1980' FNL & 830' FWL

VACUUM GLORIETA WEST UNIT

ATTACHMENT III TO FORM C-108 APPLICATION FOR AUTHORIZATION TO INJECT

PROPOSED DRILLED INJECTION WELLS

NEW WELL		LEASE NAME	UNIT	SEC	TWN	RANGE	FOOTAGE	LOCATION
DESIGNATION								
VGWU	4	BRIDGES STATE	M	24	17S	34E	1360' FSL & 1300' FWL	
VGWU	5	BRIDGES STATE	N	24	17S	34E	1209' FSL & 2582' FWL	
VGWU	9	BRIDGES STATE	C	25	17S	34E	73' FNL & 1411' FWL	
VGWU	10	YUCCA STATE	O	24	17S	34E	100' FSL & 2628' FWL	
VGWU	11	BRIDGES STATE	B	25	17S	34E	246' FNL & 1554' FEL	
VGWU	17	BRIDGES STATE	F	25	17S	34E	1328' FNL & 1399' FWL	
VGWU	18	BRIDGES STATE	F	25	17S	34E	1651' FNL & 2543' FWL	
VGWU	19	BRIDGES STATE	G	25	17S	34E	1502' FNL & 1520' FEL	
VGWU	20	NEW MEXICO T STATE NCT-1	H	25	17S	34E	1541' FNL & 181' FEL	
VGWU	21	NEW MEXICO N STATE	E	30	17S	35E	1330' FNL & 1283' FWL	
VGWU	27	BRIDGES STATE	I	26	17S	34E	1171' FSL & 34' FEL	
VGWU	28	MCALLISTER STATE	L	25	17S	34E	2304' FSL & 1127' FWL	
VGWU	29	MCALLISTER STATE	K	25	17S	34E	2522' FSL & 2283' FWL	
VGWU	30	NEW MEXICO Q STATE	J	25	17S	34E	2305' FSL & 1391' FEL	
VGWU	31	SWIGGART	I	25	17S	34E	2520' FSL & 128' FEL	
VGWU	38	MCALLISTER STATE	M	25	17S	34E	2387' FSL & 51' FEL	
VGWU	39	MCALLISTER STATE	M	25	17S	34E	1194' FSL & 1055' FWL	
VGWU	40	MCALLISTER STATE	K	25	17S	34E	1570' FSL & 2404' FWL	
VGWU	41	NEW MEXICO Q STATE	J	25	17S	34E	1437' FSL & 1646' FEL	
VGWU	42	NEW MEXICO N STATE	M	30	17S	35E	1250' FSL & 8' FWL	
VGWU	43	NEW MEXICO N STATE	L	30	17S	35E	1453' FSL & 1247' FWL	
VGWU	50	STATE H-35	A	35	17S	34E	112' FNL & 1214' FEL	
VGWU	51	STATE H-35	A	35	17S	34E	24' FNL & 31' FEL	
VGWU	52	MCALLISTER STATE	N	25	17S	34E	65' FSL & 1587' FWL	
VGWU	53	MCALLISTER STATE	N	25	17S	34E	65' FSL & 2350' FWL	
VGWU	54	NEW MEXICO Q STATE	O	25	17S	34E	7' FSL & 1693' FEL	
VGWU	55	NEW MEXICO N STATE	M	30	17S	35E	177' FSL & 52' FWL	
VGWU	63	STATE H-35	A	35	17S	34E	1370' FNL & 1135' FEL	
VGWU	64	NEW MEXICO O STATE NCT-1	E	36	17S	34E	1484' FNL & 204' FWL	
VGWU	65	NEW MEXICO O STATE NCT-1	F	36	17S	34E	1472' FNL & 1492' FWL	
VGWU	66	NEW MEXICO O STATE NCT-1	F	36	17S	34E	1690' FNL & 2577' FWL	
VGWU	67	NEW MEXICO O STATE NCT-1	G	36	17S	34E	1435' FNL & 1408' FEL	
VGWU	68	NEW MEXICO O STATE NCT-1	H	36	17S	34E	1491' FNL & 280' FEL	
VGWU	69	SANTA FE BATTERY 2	E	31	17S	35E	1502' FNL & 1203' FWL	
VGWU	77	STATE H-35	H	35	17S	34E	2569' FSL & 1326' FEL	
VGWU	78	NEW MEXICO O STATE NCT-1	E	36	17S	34E	2491' FNL & 127' FWL	
VGWU	79	STATE VB	K	36	17S	34E	2461' FSL & 1351' FWL	
VGWU	80	NEW MEXICO O STATE NCT-1	G	36	17S	34E	2552' FNL & 2504' FEL	
VGWU	81	NEW MEXICO O STATE NCT-1	J	36	17S	34E	2466' FSL & 1505' FEL	
VGWU	82	NEW MEXICO O STATE NCT-1	I	36	17S	34E	2576' FSL & 82' FEL	
VGWU	91	M.E. HALE	I	35	17S	34E	1459' FSL & 1148' FEL	
VGWU	92	STATE I	L	36	17S	34E	1451' FSL & 149' FWL	
VGWU	93	STATE VB	K	36	17S	35E	1723' FSL & 1575' FWL	
VGWU	94	NEW MEXICO O STATE NCT-1	J	36	17S	34E	1525' FSL & 2591' FEL	
VGWU	95	NEW MEXICO O STATE NCT-1	J	36	17S	34E	1519' FSL & 1548' FEL	
VGWU	96	NEW MEXICO O STATE NCT-1	I	36	17S	34E	142' FSL & 214' FEL	

VACUUM GLORIETA WEST UNIT

ATTACHMENT III TO FORM C-108 APPLICATION FOR AUTHORIZATION TO INJECT

PROPOSED DRILLED INJECTION WELLS

NEW WELL		LEASE NAME	UNIT	SEC	TWN	RANGE	FOOTAGE	LOCATION
DESIGNATION								
VGWU 97		SANTA FE BATTERY 2	L	31	17S	35E	1419'	FSL & 1225' FWL
VGWU 104		NEW MEXICO O STATE NCT-1	M	36	17S	34E	361'	FSL & 300' FWL
VGWU 105		NEW MEXICO O STATE NCT-1	N	36	17S	34E	403'	FSL & 1340' FWL
VGWU 106		NEW MEXICO O STATE NCT-1	O	36	17S	34E	310'	FSL & 2542' FEL
VGWU 107		NEW MEXICO O STATE NCT-1	O	36	17S	34E	184'	FSL & 1382' FEL
VGWU 108		NEW MEXICO O STATE NCT-1	P	36	17S	34E	213'	FSL & 301' FEL
VGWU 109		WARN STATE AC 2	C	6	18S	35E	96'	FNL & 2498' FWL
VGWU 110		NEW MEXICO R STATE NCT-1	A	6	18S	35E	74'	FNL & 56' FEL
VGWU 120		NEW MEXICO L STATE	B	1	18S	34E	1102'	FNL & 1575' FEL
VGWU 121		NEW MEXICO L STATE	A	1	18S	34E	1014'	FNL & 140' FEL
VGWU 122		WARN STATE AC 2	D	6	18S	35E	1000'	FNL & 1136' FWL
VGWU 123		WARN STATE AC 2	C	6	18S	35E	1080'	FNL & 2344' FWL
VGWU 124		NEW MEXICO R STATE NCT-1	B	6	18S	35E	1020'	FNL & 1419' FEL

VACUUM GLORIETA WEST UNIT

ATTACHMENT VI TO FORM C-108 APPLICATION FOR AUTHORIZATION TO INJECT

WELLS WITHIN 1/2 MILE RADIUS OF REVIEW

UNIT AREA PRODUCERS

(VGWU DENOTES VACUUM GLORIETA WEST UNIT)

NEW WELL

DESIGNATION	LEASE NAME	WELL NO	API NUMBER	UNIT	SEC	TWN	RANGE	OPERATOR	WELL STATUS
VGWU 1	BRIDGES STATE	113	3002521830	E	24	17S	34E	MOBIL	GLRT PROD
VGWU 3	BRIDGES STATE	114	3002521866	K	24	17S	34E	MOBIL	GLRT PROD
VGWU 6	BRIDGES STATE	58	3002502094	M	24	17S	34E	MOBIL	GLRT PROD
VGWU 8	YUCCA STATE	2	3002520673	O	24	17S	34E	TEXACO	GLRT PROD
VGWU 12	BRIDGES STATE	36	3002502106	D	25	17S	34E	MOBIL	TA GBSA-BLBR
VGWU 13	BRIDGES STATE	106	3002521364	C	25	17S	34E	MOBIL	GLRT PROD
VGWU 14	BRIDGES STATE	110	3002521649	B	25	17S	34E	MOBIL	GLRT PROD
VGWU 22	BRIDGES STATE	103	3002520873	E	25	17S	34E	MOBIL	GLRT PROD
VGWU 23	BRIDGES STATE	111	3002521675	F	25	17S	34E	MOBIL	GLRT PROD
VGWU 24	BRIDGES STATE	102	3002521041	G	25	17S	34E	MOBIL	GLRT PROD
VGWU 25	NEW MEXICO T STATE NCT 1	2	3002520951	H	25	17S	34E	TEXACO	GLRT PROD
VGWU 26	NEW MEXICO N STATE	7	3002520943	E	30	17S	35E	TEXACO	GLRT PROD
VGWU 32	BRIDGES STATE	99	3002520148	I	26	17S	34E	MOBIL	SI BLBR-GLRT
VGWU 33	MCCALLISTER STATE	6	3002520235	L	25	17S	34E	MARATHON	BLBR-GLRT PROD
VGWU 34	MCCALLISTER STATE	9	3002520143	K	25	17S	34E	MARATHON	BLBR-GLRT PROD
VGWU 35	NEW MEXICO Q STATE	9	3002527236	J	25	17S	34E	TEXACO	GLRT PROD
VGWU 36	SWIGART	2	3002520212	I	25	17S	34E	SHELL	SI GLRT
VGWU 37	NEW MEXICO N STATE	6	3002520942	L	30	17S	35E	TEXACO	SI GLRT
VGWU 44	BRIDGES STATE	97	3002520068	P	26	17S	34E	MOBIL	TA BLBR-GLRT
VGWU 45	MCCALLISTER STATE	8	3002520050	M	25	17S	34E	MARATHON	GLRT PROD
VGWU 46	MCCALLISTER STATE	10	3002520249	N	25	17S	34E	MARATHON	GLRT PROD
VGWU 47	NEW MEXICO Q STATE	10	3002527913	O	25	17S	34E	TEXACO	GLRT PROD
VGWU 48	NEW MEXICO Q STATE	11	3002530970	P	25	17S	35E	TEXACO	GLRT PROD
VGWU 49	NEW MEXICO N STATE	10	3002530967	M	30	17S	35E	TEXACO	SI GLRT
VGWU 56	STATE H 35	7	3002520329	B	35	17S	34E	CONOCO	GLRT PROD
VGWU 57	STATE H 35	8	3002520510	A	35	17S	34E	CONOCO	GLRT PROD
VGWU 58	STATE BA	11	3002530715	D	36	17S	34E	TEXACO	GLRT PROD
VGWU 59	STATE BA	13	3002530971	C	36	17S	34E	TEXACO	GLRT PROD
VGWU 60	STATE BA	12	3002530716	B	36	17S	34E	TEXACO	GLRT PROD
VGWU 61	STATE BA	10	3002521432	A	36	17S	34E	TEXACO	SI GLRT
VGWU 62	STATE H	2	3002520863	D	31	17S	35E	MOBIL	SI GLRT
VGWU 71	STATE H 35	12	3002520665	H	35	17S	34E	CONOCO	GLRT PROD
VGWU 72	NEW MEXICO O STATE NCT 1	30	3002530779	E	36	17S	34E	TEXACO	GLRT PROD
VGWU 73	NEW MEXICO O STATE NCT 1	31	3002530714	F	36	17S	34E	TEXACO	GLRT PROD
VGWU 74	NEW MEXICO O STATE NCT 1	32	3002530968	G	36	17S	34E	TEXACO	GLRT PROD

VACUUM GLORIETA WEST UNIT

ATTACHMENT VI TO FORM C-108 APPLICATION FOR AUTHORIZATION TO INJECT

WELLS WITHIN 1/2 MILE RADIUS OF REVIEW

UNIT AREA PRODUCERS

(VGWU DENOTES VACUUM GLORIETA WEST UNIT)

NEW WELL.

DESIGNATION	LEASE NAME	WELL NO	API NUMBER	UNIT	SEC	TWN	RANGE	OPERATOR	WELL STATUS
VGWU 75	NEW MEXICO O STATE NCT 1	33	3002530969	H	36	17S	34E	TEXACO	GLRT PROD
VGWU 76	SANTA FE BATTERY 2	88	3002520784	E	31	17S	35E	PHILLIPS	GLRT PROD
VGWU 83	M E HALE	9	3002520781	J	35	17S	34E	PHILLIPS	GLRT PROD
VGWU 84	M E HALE	7	3002520778	I	35	17S	34E	PHILLIPS	GLRT PROD
VGWU 85	STATE I	2	3002520236	L	36	17S	34E	MOBIL	GLRT PROD
VGWU 86	STATE VB	2	3002520179	K	36	17S	34E	AMERADA	GLRT PROD
VGWU 87	NEW MEXICO O STATE NCT 1	25	3002521637	J	36	17S	34E	TEXACO	GLRT PROD
VGWU 88	NEW MEXICO O STATE NCT 1	28	3002530206	J	36	17S	34E	TEXACO	GLRT PROD
VGWU 89	NEW MEXICO O STATE NCT 1	15	3002520505	I	36	17S	34E	TEXACO	SI GLRT
VGWU 90	SANTA FE BATTERY 2	87	3002520270	L	31	17S	35E	PHILLIPS	GLRT PROD
VGWU 99	NEW MEXICO O STATE NCT 1	26	3002529919	M	36	17S	34E	TEXACO	GLRT PROD
VGWU 100	NEW MEXICO O STATE NCT 1	29	3002530476	N	36	17S	34E	TEXACO	GLRT PROD
VGWU 101	NEW MEXICO O STATE NCT 1	23	3002520237	O	36	17S	34E	TEXACO	GLRT PROD
VGWU 102	NEW MEXICO O STATE NCT 1	27	3002530126	P	36	17S	34E	TEXACO	GLRT PROD
VGWU 103	STATE D	2	3002520339	M	31	17S	35E	SHELL	GLRT PROD
VGWU 111	NEW MEXICO U STATE	3	3002521111	A	2	18S	34E	TEXACO	SI GLRT
VGWU 112	NEW MEXICO M STATE	5	3002520515	D	1	18S	34E	TEXACO	SI WFMP
VGWU 113	NEW MEXICO M STATE	8	3002521107	C	1	18S	34E	TEXACO	GLRT PROD
VGWU 114	NEW MEXICO L STATE	10	3002531132	B	1	18S	34E	TEXACO	GLRT PROD
VGWU 115	NEW MEXICO L STATE	11	3002531131	A	1	18S	34E	TEXACO	GLRT PROD
VGWU 116	WARN STATE AC 2	12	3002520753	D	6	18S	35E	MARATHON	GLRT PROD
VGWU 117	WARN STATE AC 2	13	3002520754	C	6	18S	35E	MARATHON	GLRT PROD
VGWU 118	NEW MEXICO R STATE NCT 1	12	3002531129	B	6	18S	35E	TEXACO	GLRT PROD
VGWU 119	NEW MEXICO R STATE NCT 1	8	3002521108	A	6	18S	35E	TEXACO	SI GLRT
VGWU 125	NEW MEXICO L STATE	9	3002520939	H	1	18S	34E	TEXACO	SI GLRT
VGWU 126	WARN STATE AC 2	14	3002521031	E	6	18S	35E	MARATHON	SI GLRT
VGWU 127	WARN STATE AC 2	15	3002521292	F	6	18S	35E	MARATHON	SI GLRT
VGWU 128	NEW MEXICO R STATE NCT 1	9	3002521054	G	6	18S	35E	TEXACO	SI GLRT
VGWU 129	NEW MEXICO R STATE NCT 1	11	3002521425	H	6	18S	35E	TEXACO	SI GLRT

VACUUM GLORIETA WEST UNIT

ATTACHMENT VI TO FORM C-108 APPLICATION FOR AUTHORIZATION TO INJECT

WELLS WITHIN 1/2 MILE RADIUS OF REVIEW

PLUGGED AND ABANDONED WELLS INSIDE UNIT AREA

<u>LEASE NAME</u>	<u>WELL NO</u>	<u>API NUMBER</u>	<u>UNIT</u>	<u>SEC</u>	<u>TWN</u>	<u>RANGE</u>	<u>OPERATOR</u>	<u>WELL STATUS</u>
STATE H 35	10	3002520664	G	35	17S	34E	CONOCO	P & A
STATE H 35	13	3002521898	B	35	17S	34E	CONOCO	P & A
BRIDGES STATE	11	3002502100	F	25	17S	34E	MOBIL	P & A
BRIDGES STATE	115	3002522850	A	25	17S	35E	MOBIL	P & A
NORTH VACUUM ABO UNIT	232	3002527519	A	25	17S	34E	MOBIL	P & A
NEW MEXICO L STATE	8	3002520938	G	1	18S	34E	TEXACO	P & A
NEW MEXICO M STATE	6	3002520940	C	1	18S	34E	TEXACO	P & A
NEW MEXICO N STATE	5	3002520941	M	30	17S	35E	TEXACO	P & A
NEW MEXICO N STATE	9	3002523854	D	30	17S	35E	TEXACO	P & A
NEW MEXICO O STATE NCT 1	12	3002520418	J	36	17S	34E	TEXACO	P & A
NEW MEXICO O STATE NCT 1	19	3002520203	F	36	17S	34E	TEXACO	P & A
NEW MEXICO R STATE NCT 1	10	3002521109	B	6	18S	35E	TEXACO	P & A

VACUUM GLORIETA WEST UNIT

ATTACHMENT VI TO FORM C-108
APPLICATION FOR AUTHORIZATION TO INJECT

WELLS WITHIN 1/2 MILE RADIUS OF REVIEW

PLUGGED AND ABANDONED WELLS OUTSIDE UNIT AREA

<u>LEASE NAME</u>	<u>WELL NO</u>	<u>API NUMBER</u>	<u>UNIT</u>	<u>SEC</u>	<u>TWN</u>	<u>RANGE</u>	<u>OPERATOR</u>	<u>WELL STATUS</u>
STATE H 35	11	3002520497	C	35	17S	34E	CONOCO	P & A
* BUCKEYE BRINE STATION	1		M	19	17S	35E	HARDIN-HOUSTON	P & A
NEW MEXICO AB STATE	5	3002520163	J	6	18S	35E	TEXACO	P & A

* FORMERLY EXXON'S NEW MEXICO J STATE NO. 3 (API # 3002520163).