



STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

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

June 11, 1996

Texaco Exploration and Production Inc.
c/o Campbell, Carr, Berge & Sheridan, P.A.
P. O. Box 2208
Santa Fe, New Mexico 87504-2208
Attention: William F. Carr

Administrative Order DD-149
Addendum to Division Order No. R-10603

Dear Mr. Carr:

Under the provisions of **Rules 111.D and E** of the General Rules and Regulations of the New Mexico Oil Conservation Division ("Division"), revised by Division Order No. R-10388, issued by the Oil Conservation Commission in Case 11,274 on June 13, 1995, Texaco Exploration and Production Inc. ("Texaco") made application to the New Mexico Oil Conservation Division on May 20, 1996 for authorization to directional drill its proposed Vacuum Grayburg San Andres Unit Well No. 159, Lea County, New Mexico.

The Division Director Finds That:

- (1) By Division Order No. R-10603, issued in Case 11527 and dated May 23, 1996, Texaco was granted the authority:
 - (a) to drill its Vacuum Grayburg San Andres Unit Well No. 159 as a Vacuum Grayburg San Andres Unit/Central Vacuum Unit "lease line" producing oil well to an "unorthodox bottomhole oil well location" 572 feet from the North line and 78 feet from the East line (Lot 1/Unit A) of Section 1, Township 18 South, Range 34 East, NMPM, Vacuum Grayburg San Andres Pool, Lea County, New Mexico; and,
 - (b) to simultaneously dedicate said well to the existing standard 40.36-acre oil spacing and proration unit comprising Lot 1 (NE/4 NE/4 equivalent) of said Section 1;

- (2) Both the Vacuum Grayburg San Andres and the Central Vacuum Units have active pressure maintenance operations under Division Order Nos. R-4442 and R-5530, as amended; and as such the Vacuum-Grayburg-San Andres Pool is subject to the statewide rules and regulations for oil wells, as promulgated by **Rules 104.C(1) and F(1)**, which provides for 40-acre oil spacing and proration units, or drilling units, located no closer than 330 feet to the outer boundary of the lease or unitized area (pressure maintenance/waterflood project area), nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
- (3) Said Order No. R-10603 further provided that the drilling and operating costs, as well as production revenue from the No. 159 well be shared equally between the Vacuum Grayburg San Andres Unit and the Central Vacuum Unit since said well will serve to benefit both projects;
- (4) The surface area of the proposed well location dictates the necessity for deviating this well in a predetermined direction. The existence of roads, gathering lines, flow lines, pipelines, and tank production facilities requires the well to be located 907 feet from the North line and 350 feet from the East line of said Section 1;
- (5) As reference in said Order No. R-10603 the proposed bottom-hole location within the Vacuum-Grayburg-San Andres Pool, 572 feet from the North line and 78 feet from the East line of said Section 1, is necessary to complete an effective and efficient injection/production pattern for the current secondary recovery operations;
- (6) The "target or project area" for said directional drilling should be within a reasonable radius of the projected bottom-hole location of 572 feet from the North line and 78 feet from the East line; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said **Rules 111.D and E and 104.C(1) and F(1)**, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of **Division General Rules 104 and 111**.

IT IS THEREFORE ORDERED THAT:

- (1) Texaco Exploration and Production Inc. ("Texaco") is hereby authorized to drill its Vacuum Grayburg San Andres Unit Well No. 159 from a surface location 907 feet from the

North line and 350 feet from the East line (Lot 1/Unit A) of Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, kick-off to the northeast and directionally drill into the Vacuum-Grayburg-San Andres Pool as close as is reasonably possible to the targeted bottom-hole location of 572 feet from the North line and 78 feet from the East line of said Section 1.

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

PROVIDED FURTHER THAT during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottom-hole 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) The operator shall comply with all requirements and conditions set forth in **Division General Rule 111.E(2)** and any applicable requirements in **111.D** and **F** and **104.C(1)** and **104.F(2)**.

(4) 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.

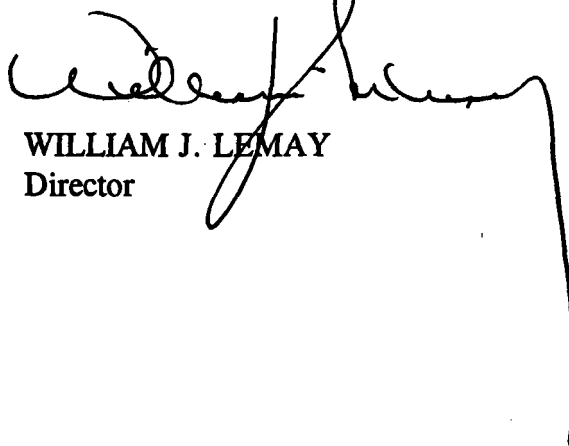
(5) Division Order No. R-10603, issued in Case 11527 and dated May 23, 1996, shall remain in full force and effect until further notice.

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

Administrative Order DD-149
Texaco Exploration & Production Inc.
June 11, 1996
Page 4

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

SEAL

cc: Oil Conservation Division - Hobbs
New Mexico State Land Office - Santa Fe
File: Case 11527

~~DD-10603~~
R-10603

June 11, 1996

Rev: 5/20/96
Susp: NA
Released 6-11-96

Texaco Exploration and Production Inc.
c/o Campbell, Carr, Berge & Sheridan, P.A.
P. O. Box 2208
Santa Fe, New Mexico 87504-2208

Attention: William F. Carr

149
Administrative Order DD-***
Addendum to Division Order No. R-10603

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The Division Director Finds That:

- (1) By Division Order No. R-10603, issued in Case 11527 and dated May 23, 1996, Texaco was granted the authority:
 - (a) to drill its Vacuum Grayburg San Andres Unit Well No. 159 as a Vacuum Grayburg San Andres Unit/Central Vacuum Unit "lease line" producing oil well to an "unorthodox bottomhole oil well location" 572 feet from the North line and 78 feet from the East line (Lot 1/Unit A) of Section 1, Township 18 South, Range 34 East, NMPM, Vacuum Grayburg San Andres Pool, Lea County, New Mexico; and,
 - (b) to simultaneously dedicate said well to the existing standard 40.36-acre oil spacing and proration unit comprising Lot 1 (NE/4 NE/4 equivalent) of said

Mike Stogner

From: Ron Merrett
To: OCD SANTA FE OFFICE
Cc: Nancy Cooper
Subject: Staff Meeting 6/11/96
Date: Monday, June 10, 1996 11:28AM

At the staff meeting on Tuesday at 9:00 a.m. there will be a short session on "Orientation". This class is a requirement for all OCD staff. Therefore, if you are present, you will be credited with attendance at the "Orientation" class. See you there!

Section 1;

- (2) Both the Vacuum Grayburg San Andres and the Central Vacuum Units have active pressure maintenance operations under Division Order Nos. R-4442 and R-5530, as amended; and as such the Vacuum-Grayburg-San Andres Pool is subject to the statewide rules and regulations for oil wells, as promulgated by **Rules 104.C(1) and F(1)**, which provides for 40-acre oil spacing and proration units, or drilling units, located no closer than 330 feet to the outer boundary of the lease or unitized area (pressure maintenance/waterflood project area), nor closer than 10 feet to any quarter-quarter section line or subdivision inner boundary;
- (3) Said Order No. R-10603 further provided that the drilling and operating costs, as well as production revenue from the No. 159 well be shared equally between the Vacuum Grayburg San Andres Unit and the Central Vacuum Unit since said well will serve to benefit both projects;
- (4) The surface area of the proposed well location dictates the necessity for deviating this well in a predetermined direction. The existence of roads, gathering lines, flow lines, pipelines, and tank production facilities requires the well to be located 907 feet from the North line and 350 feet from the East line of said Section 1;
- (5) As reference in said Order No. R-10603 the proposed bottom-hole location within the Vacuum-Grayburg-San Andres Pool, 572 feet from the North line and 78 feet from the East line of said Section 1, is necessary to complete an effective and efficient injection/production pattern for the current secondary recovery operations;
- (6) The "target or project area" for said directional drilling should be within a reasonable radius of the projected bottom-hole location of 572 feet from the North line and 78 feet from the East line; and,
- (7) It appearing the applicant has satisfied all of the appropriate requirements prescribed in said **Rules 111.D and E and 104.C(1) and F(1)**, the subject application should be approved and the well should be governed by the provisions contained within this order and all other applicable provisions of **Division General Rules 104 and 111**.

IT IS THEREFORE ORDERED THAT:

- (1) Texaco Exploration and Production Inc. ("Texaco") is hereby authorized to drill its Vacuum Grayburg San Andres Unit Well No. 159 from a surface location 907 feet from the North line and 350 feet from the East line (Lot 1/Unit A) of Section 1, Township 18 South, Range 34 East, NMPM, Lea County, New Mexico, kick-off to the northeast and directionally

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

PROVIDED FURTHER THAT during or upon completion of said directional drilling operations, the applicant shall conduct an accurate wellbore survey from the kick-off point to total depth in order that the subsurface bottom-hole 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) The operator shall comply with all requirements and conditions set forth in **Division General Rule 111.E(2)** and any applicable requirements in **111.D** and **F** and **104.C(1)** and **104.F(2)**.

(4) 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.

(5) Division Order No. R-10603, issued in Case 11527 and dated May 23, 1996, shall remain in full force and effect until further notice.

(6) 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

cc: Oil Conservation Division - Hobbs
New Mexico State Land Office - Santa Fe
File: Case 11527

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

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PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

**CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS**

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

MICHAEL H. FELDEWERT
TANYA M. TRUJILLO
PAUL R. OWEN

JACK M. CAMPBELL
OF COUNSEL

OK

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

May 20, 1996

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MAY 20 1996

Oil Conservation Division

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Re: *Application of Texaco Exploration and Production Inc. for Administrative
Approval of Directional Drilling, Lea County, New Mexico*

Dear Mr. LeMay:

Texaco Exploration and Production Inc. ("Texaco"), seeks administrative approval pursuant to the provisions of Rule 111 (C) of the directional drilling of the Vacuum-Grayburg San Andres Unit Well No. 159 from a surface location 907 feet from the North line and 350 feet from the East line to a bottomhole location in the San Andres formation 572 feet from the North line and 78 feet from the East line of Section 1, Township 18 South, Range 34 East, N.M.P.M., Lea County, New Mexico. The surface location for this well was not a satisfactory drill site due to surface obstructions, as shown on Exhibit A, attached hereto.

The unorthodox bottomhole location is the subject of Division Case No. 11527 which was presented to Examiner Catanach on May 16, 1996. This well is located within the Vacuum-Grayburg San Andres Unit and, as shown at the Examiner hearing, the unorthodox location encroaches only on adjacent existing spacing units operated by Texaco in the Grayburg and San Andres formations. Therefore, since Texaco is the operator of all adjoining spacing units, there are no affected parties to whom notification of this application is required to be made in accordance with Rule 111-F.

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155 E. 42ND ST. NEW YORK 17, N.Y.

ACQUISITION DEPARTMENT

ATTENTION: MR. [illegible]

TELEPHONE: [illegible]

TELETYPE: [illegible]

FAX: [illegible]

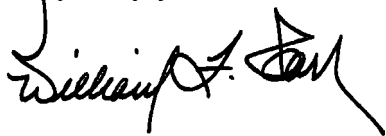
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William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
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Page 2

Your attention to this request is appreciated.

Very truly yours,

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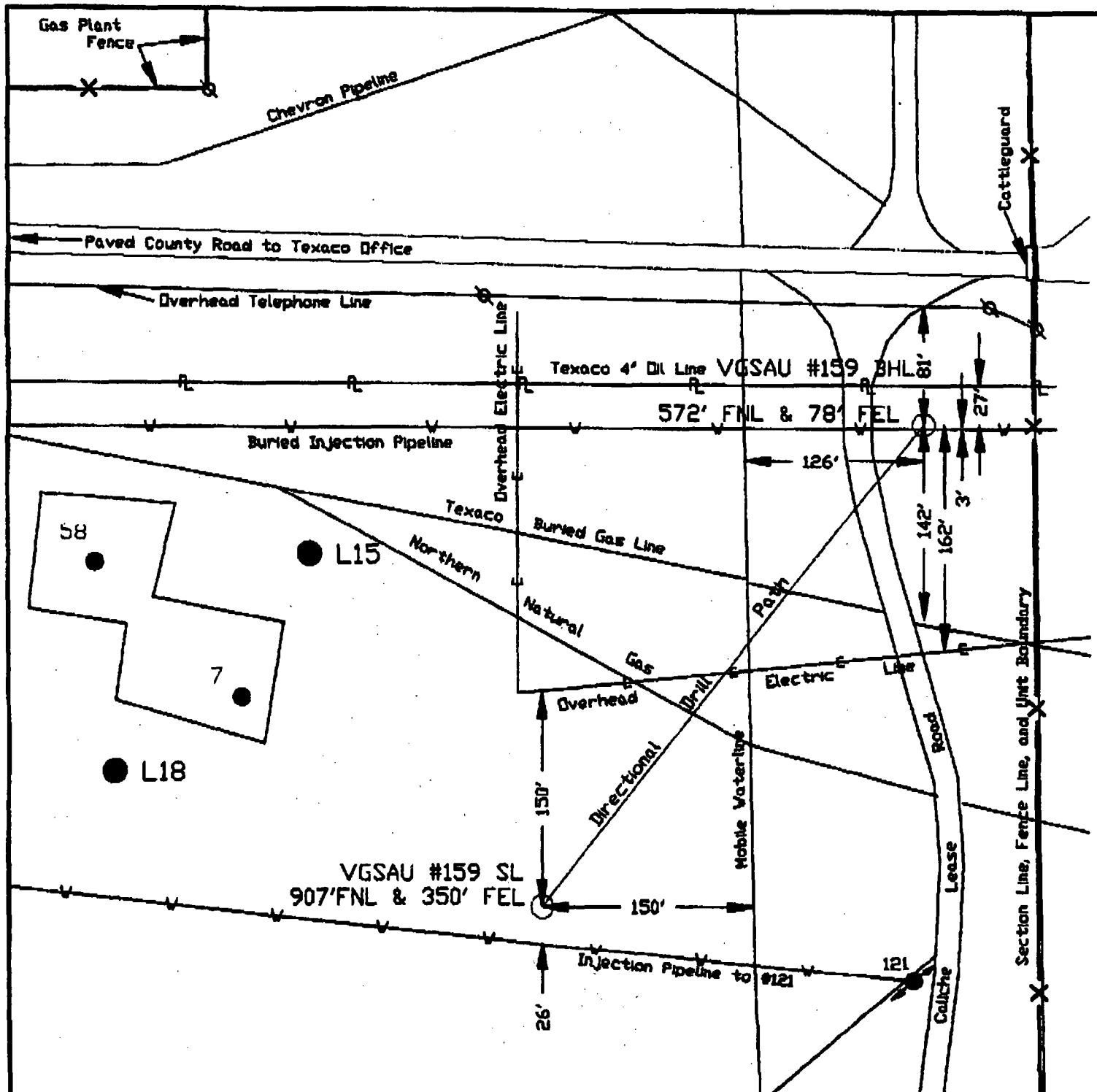
WILLIAM F. CARR
ATTORNEY FOR TEXACO EXPLORATION AND PRODUCTION INC.

WFC:mlh
Enclosures

cc: Mr. Jerry Sexton, District Supervisor
Oil Conservation Division
Post Office Box 1980
1000 Broadway
Hobbs, New Mexico 88240

Mr. David Catanach
Hearing Examiner
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Mr. Ronald W. Lanning
Texaco Exploration and Production Inc.
Post Office Box 3109
Midland, TX 79702



LEGEND OF SYMBOLS

- — — = Electric Line
- — — = Production Flowline
- = Staked Well Location
- = Producing Well Location



Exhibit A

EXHIBIT 'A' HAZARD SKETCH FOR

TEXACO EXPLORATION AND PRODUCTION

VACUUM GRAYBURG SAN ANDRES UNIT No. 159
907' FNL & 350' FEL, Section 1,
T-18-S, R-34-E, NMPM, Lea County, NM

Drawn by: D. M. Ballew

Scale: 1" = 100 Feet

Date: May 20, 1996

C. Wade Howard

Checked by: J. S. Piper

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
WILLIAM F. CARR
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Dear Mr. LeMay:

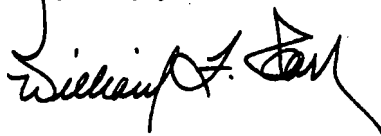
Texaco Exploration and Production Inc. ("Texaco"), seeks administrative approval pursuant to the provisions of Rule 111 (C) of the directional drilling of the Vacuum-Grayburg San Andres Unit Well No. 159 from a surface location 907 feet from the North line and 350 feet from the East line to a bottomhole location in the San Andres formation 572 feet from the North line and 78 feet from the East line of Section 1, Township 18 South, Range 34 East, N.M.P.M., Lea County, New Mexico. The surface location for this well was not a satisfactory drill site due to surface obstructions, as shown on Exhibit A, attached hereto.

The unorthodox bottomhole location is the subject of Division Case No. 11527 which was presented to Examiner Catanach on May 16, 1996. This well is located within the Vacuum-Grayburg San Andres Unit and, as shown at the Examiner hearing, the unorthodox location encroaches only on adjacent existing spacing units operated by Texaco in the Grayburg and San Andres formations. Therefore, since Texaco is the operator of all adjoining spacing units, there are no affected parties to whom notification of this application is required to be made in accordance with Rule 111-F.

William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
May 20, 1996
Page 2

Your attention to this request is appreciated.

Very truly yours,

A handwritten signature in dark ink, appearing to read "William F. Carr", with a stylized flourish at the end.

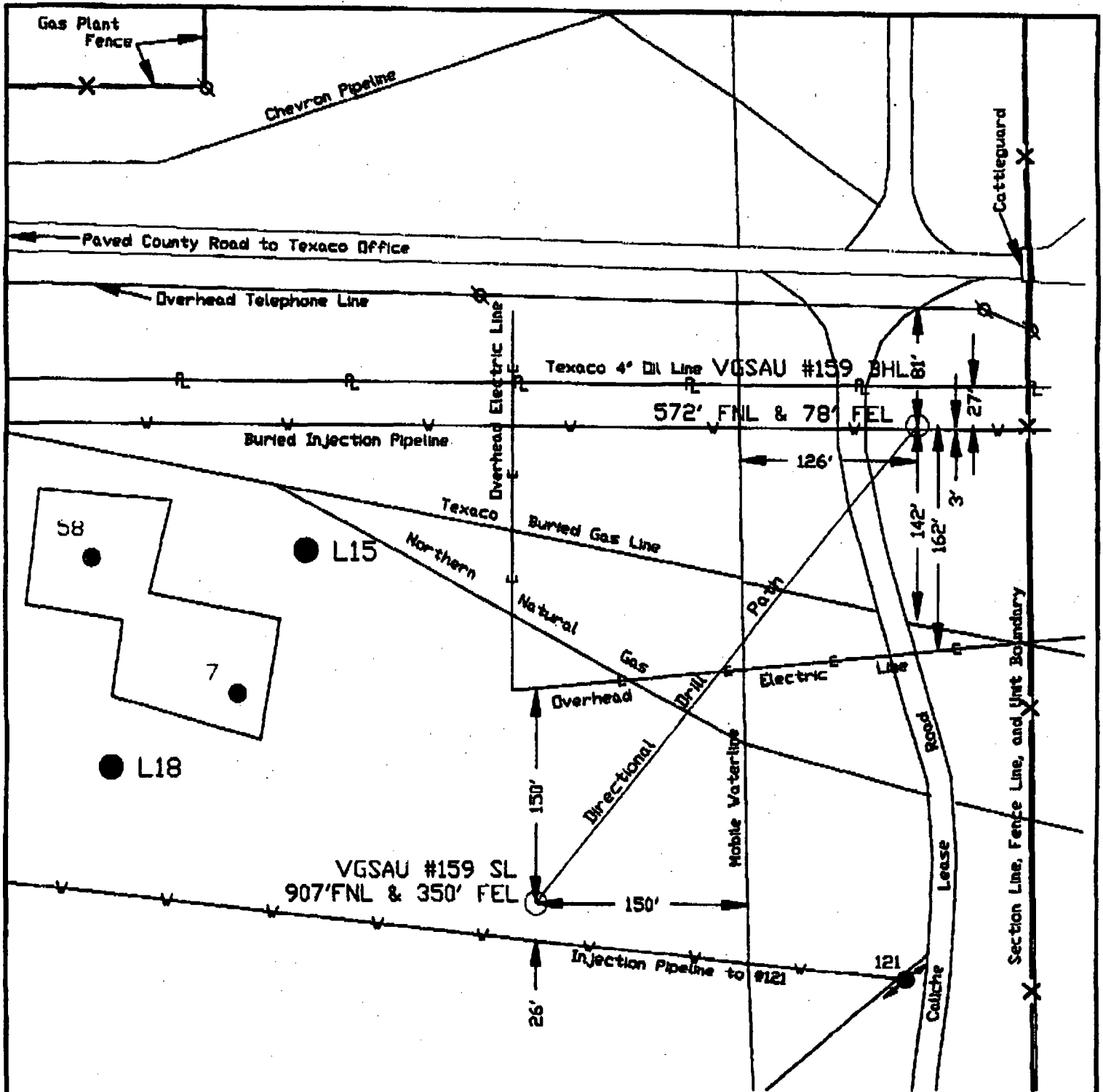
WILLIAM F. CARR
ATTORNEY FOR TEXACO EXPLORATION AND PRODUCTION INC.

WFC:mlh
Enclosures

cc: Mr. Jerry Sexton, District Supervisor
Oil Conservation Division
Post Office Box 1980
1000 Broadway
Hobbs, New Mexico 88240

Mr. David Catanach
Hearing Examiner
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505

Mr. Ronald W. Lanning
Texaco Exploration and Production Inc.
Post Office Box 3109
Midland, TX 79702



LEGEND OF SYMBOLS

- E—E— = Electric Line
- P—P— = Production Flowline
- = Staked Well Location
- = Producing Well Location



Exhibit A

EXHIBIT 'A' HAZARD SKETCH FOR

TEXACO EXPLORATION AND PRODUCTION

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T-18-S, R-34-E, NMPM, Lea County, NM

Drawn by: D. M. Ballew

Scale: 1" = 100 Feet

Date: May 20, 1996

C. Wade Howard

Checked by: J. S. Piper

CAMPBELL, CARR, BERGE
& SHERIDAN, P.A.
LAWYERS

MICHAEL B. CAMPBELL
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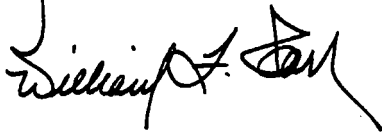
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William J. LeMay, Director
Oil Conservation Division
New Mexico Department of Energy,
Minerals and Natural Resources
May 20, 1996
Page 2

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Very truly yours,



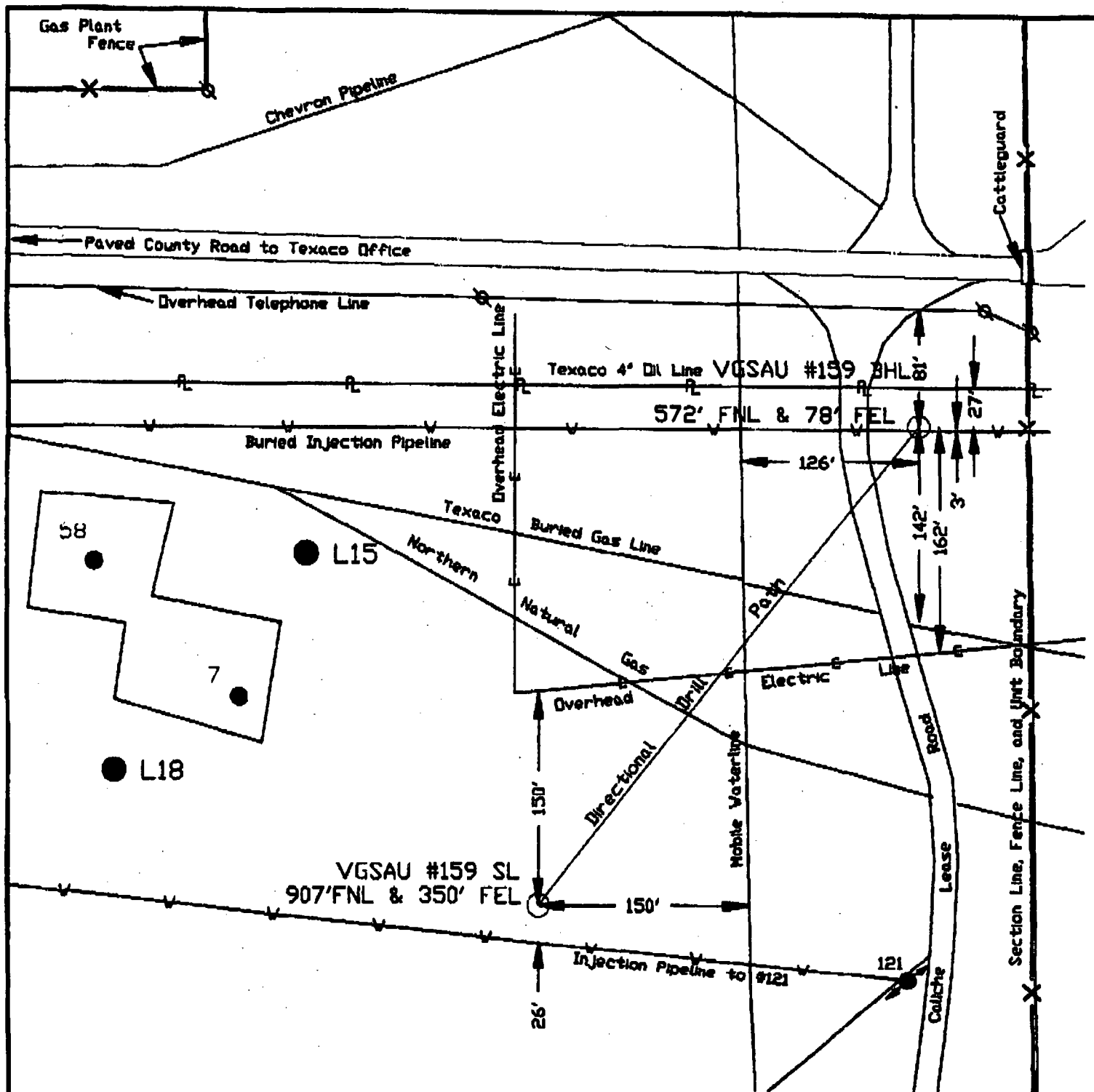
WILLIAM F. CARR
ATTORNEY FOR TEXACO EXPLORATION AND PRODUCTION INC.

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Enclosures

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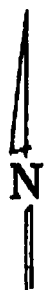


Exhibit A

EXHIBIT 'A' HAZARD SKETCH FOR

TEXACO EXPLORATION AND PRODUCTION

VACUUM GRAYBURG SAN ANDRES UNIT No. 159
907' FNL & 350' FEL, Section 1,
T-18-S, R-34-E, NMPM, Lea County, NM

Drawn by: D. M. Bollew

Scale: 1" = 100 Feet

Date: May 20, 1996

C. Wade Howard

Checked by: J. S. Piper

**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. 11527
Order No. R-10603**

**APPLICATION OF TEXACO EXPLORATION
& PRODUCTION INC. FOR AN UNORTHODOX
OIL WELL LOCATION FOR A LEASE LINE
PRODUCTION WELL AND SIMULTANEOUS
DEDICATION, LEA COUNTY, NEW MEXICO.**

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 8:15 a.m. on May 16, 1996, at Santa Fe, New Mexico, before Examiner David R. Catanach.

NOW, on this 23rd day of May, 1996, 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 & Production, Inc., seeks approval to drill its Vacuum Grayburg San Andres Unit Well No. 159 as a lease line producing well at an unorthodox bottomhole oil well location 572 feet from the North line and 78 feet from the East line (Unit A) of Section 1, Township 18 South, Range 34 East, NMPM, Vacuum-Grayburg San Andres Pool, Lea County, New Mexico.

(3) The NE/4 NE/4 of Section 1 is to be simultaneously dedicated to the proposed well and to the existing Vacuum Grayburg San Andres Unit Well Nos. 50, 58, 122 and 158.

(4) According to applicant's evidence and testimony, the proposed Vacuum Grayburg San Andres Unit Well No. 159 will be directionally drilled to the aforesaid unorthodox bottomhole location from a surface location 907 feet from the North line and 350 feet from the East line (Unit A) of Section 1 due to surface obstructions.

(5) Applicant testified that it will file an administrative application to directionally drill the Vacuum Grayburg San Andres Unit Well No. 159 with the Division subsequent to the hearing.

(6) Applicant's evidence and testimony further indicates that:

- a) within the area of the proposed Vacuum Grayburg San Andres Unit Well No. 159, the applicant currently operates the Vacuum Grayburg San Andres Unit and Central Vacuum Unit Waterflood Projects, both secondary recovery projects within the Vacuum-Grayburg San Andres Pool;
- b) the applicant is currently implementing a 10-acre infill drilling program in certain portions of the Central Vacuum Unit and Vacuum Grayburg San Andres Unit areas;
- c) during 1995, fourteen 10-acre infill wells were drilled within the Central Vacuum Unit which resulted in a 600 barrel per day increase in oil production within the unit area;
- d) each 10-acre infill well may potentially recover an additional 100,000 barrels of oil from the unit area which may not otherwise be recovered;
- e) the proposed Vacuum Grayburg San Andres Unit Well No. 159 is a proposed 10-acre infill well which is located close to the common boundary between the Vacuum Grayburg San Andres Unit Waterflood Project and the Central Vacuum Unit Waterflood Project; and,

- f) the proposed unorthodox bottomhole location represents the optimum location in which to effectively and efficiently recover remaining oil and gas reserves underlying the NE/4 NE/4 of Section 1, Township 18 South, Range 34 East, and the NW/4 NW/4 of Section 6, Township 18 South, Range 35 East, NMPM.

(7) Applicant testified that drilling and operating costs, as well as production revenue from the Vacuum Grayburg San Andres Unit Well No. 159 will be shared equally between the Vacuum Grayburg San Andres Unit and the Central Vacuum Unit in accordance with the Vacuum Area Cooperative Lease Line Agreement submitted as applicant's Exhibit No. 1.

(8) The owners of 100 percent of the working interest and 100 percent of the royalty interest within the Vacuum Grayburg San Andres Unit, and the owners of approximately 98 percent of the working interest and 100 percent of the royalty interest within the Central Vacuum Unit have consented and agreed to the drilling of the proposed well.

(9) No interest owner appeared at the hearing in opposition to the application.

(10) There are no additional affected offset operators.

(11) Approval of the proposed unorthodox bottomhole oil well location for the Vacuum Grayburg San Andres Unit Well No. 159 and simultaneous dedication will benefit the interest owners in the Vacuum Grayburg San Andres Unit and the Central Vacuum Unit, will result in the recovery of additional oil and gas reserves underlying the NE/4 NE/4 of Section 1 and the NW/4 NW/4 of Section 6 which may otherwise not be recovered, thereby preventing waste, and will not violate correlative rights.

(12) Approval of the proposed unorthodox bottomhole location should be contingent upon the applicant obtaining Division approval for the proposed directional drilling operations.

IT IS THEREFORE ORDERED THAT:

(1) The applicant, Texaco Exploration & Production, Inc., is hereby authorized to drill its Vacuum Grayburg San Andres Unit Well No. 159 as a Vacuum Grayburg San Andres Unit/Central Vacuum Unit lease line producing well at an unorthodox bottomhole oil well location 572 feet from the North line and 78 feet from the East line (Unit A) of Section 1, Township 18 South, Range 34 East, NMPM, Vacuum-Grayburg San Andres Pool, Lea County, New Mexico.

(2) The NE/4 NE/4 of Section 1 shall be simultaneously dedicated to the aforesaid well and to the existing Vacuum Grayburg San Andres Unit Well Nos. 50, 58, 122 and 158.

(3) Drilling and operating costs, as well as production revenue from the Vacuum Grayburg San Andres Unit Well No. 159 shall be shared equally between the Vacuum Grayburg San Andres Unit and the Central Vacuum Unit in accordance with the Vacuum Area Cooperative Lease Line Agreement submitted as applicant's Exhibit No. 1.

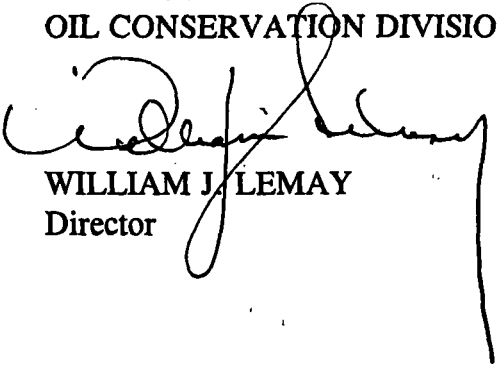
(4) Approval of the proposed unorthodox bottomhole location shall be contingent upon the applicant obtaining Division approval for the proposed directional drilling operations.

(5) Jurisdiction is hereby 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

CMD :
OG5SECT

ONGARD
INQUIRE LAND BY SECTION

06/10/96 15:14:58
OGOMES -EMG3
PAGE NO: 1

Sec : 01 Twp : 18S Rng : 34E Section Type : NORMAL

4 40.88 CS B01080 2 04/42 TEXACO EXPLORATIO U U R A A A A	3 40.70 CS B01080 2 04/42 TEXACO EXPLORATIO U U R A P A A A A	2 40.54 CS B01733 2 04/43 TEXACO EXPLORATIO U U R A A A A A A	1 40.36 CS B01733 2 04/43 TEXACO EXPLORATIO U U R A A A A A A
E 40.00 CS B01080 2 04/42 TEXACO EXPLORATIO U R A A A	F 40.00 CS B01080 2 04/42 TEXACO EXPLORATIO U R A A A A A A	G 40.00 CS B01733 2 04/43 TEXACO EXPLORATIO U U R A A A A A	H 40.00 CS B01733 2 04/43 TEXACO EXPLORATIO U U R A A A A A A

PF01 HELP
PF07 BKWD

PF02
PF08 FWD

PF03 EXIT
PF09 PRINT

PF04 GoTo
PF10 SDIV

PF05
PF11

PF06
PF12

OGRID Identifier : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Identifier : 11045 NEW MEXICO L STATE
API Well Identifier : 30 25 33301 Well No : 018
Surface Locn - UL : 1 Sec : 1 Twp : 18S Range : 34E Lot Idn :
Multiple comp (S/M/C): S TVD Depth (Feet) : MVD Depth (Feet):
Spud Date : P/A Date :
Casing/Linear Record:

S Size Grade Weight Depth(ft) Depth(ft) Hole Size Cement ---- TOC ----
(inches) (lb/ft) Top-Liner Bot-Liner (inches) (Sacks) (feet) Code

E0004: No matching record found. Enter data to create.

PF01 HELP PF02 PF03 EXIT PF04 GoTo PF05 PF06 CONFIRM
PF07 PF08 PF09 COMMENT PF10 TLOG PF11 PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

06/10/96 15:19:09
OGOMES -EMG3

API Well No : 30 25 33301 Eff Date : 06-10-1996 WC Status :
Pool Idn :
OGRID Idn :
Prop Idn :

Well No :
GL Elevation:

U/L Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
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B.H. Locn :			FTG	F	FTG	F
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Lot Identifier:

Dedicated Acre:

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

E6426: No well completions exist for this API Well nbr

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OGSC101

ONGARD
C101-APPLICATION FOR PERMIT TO DRILL

06/10/96 15:15:53
OGOMES -EMG3

OGRID Idn : 22351 API Well No: 30 25 2246 APD Status(A/C/P): A
Opr Name, Addr: TEXACO EXPLORATION & PRODUCTION Aprvl/Cncl Date : 01-01-1900
205 EAST BENDER
HOBBS,NM 88240

Prop Idn: 11124 VACUUM GRAYBURG SAN ANDRES UNIT Well No: 58

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	1	1	18S	34E			FTG 999 F S	FTG 999 F E
OCD U/L :	A		API County :	25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 99999

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : Prpsd Frmtn :

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD :
OG6CLOG

ONGARD
C105-WELL COMPLETION OR RECOMP CASING LOG

06/10/96 15:15:26
OGOMES -EMG3

OGRID Identifier : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Identifier : 11124 VACUUM GRAYBURG SAN ANDRES UNIT
API Well Identifier : 30 25 2246 Well No : 058
Surface Locn - UL : 1 Sec : 1 Twp : 18S Range : 34E Lot Idn :
Multiple comp (S/M/C): S TVD Depth (Feet) : 99999 MVD Depth (Feet):
Spud Date : P/A Date :
Casing/Linear Record:

S Size (inches)	Grade Weight (lb/ft)	Depth(ft) Top-Liner	Depth(ft) Bot-Liner	Hole Size (inches)	Cement (Sacks)	TOC (feet)	Code
99.000	99.0	99999.0	99999.0	99.000	9999	99999	C

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMD :
OG6I WCM

ONGARD
INQUIRE WELL COMPLETIONS

06/10/96 15:15:40
OGOMES -EMG3

API Well No : 30 25 2246 Eff Date : 03-19-1994 WC Status : A
Pool Idn : 62180 VACUUM;GRAYBURG-SAN ANDRES
OGRID Idn : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Idn : 11124 VACUUM GRAYBURG SAN ANDRES UNIT

Well No : 058
GL Elevation: 99999

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
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B.H. Locn : 1	1	18S	34E	FTG	999 F S	FTG 999 F E	P

Lot Identifier:

Dedicated Acre: 40.00

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG6C101

ONGARD
C101-APPLICATION FOR PERMIT TO DRILL

06/10/96 15:18:41
OGOMES -EMG3

OGRID Idn : 22351 API Well No: 30 25 32871 APD Status(A/C/P): A
Opr Name, Addr: TEXACO EXPLORATION & PRODUCTION Aprvl/Cncl Date : 03-07-1995
205 EAST BENDER
HOBBS,NM 88240

Prop Idn: 11045 NEW MEXICO L STATE Well No: 16

	U/L	Sec	Township	Range	Lot Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----
Surface Locn :	1	1	18S	34E		FTG 1310 F N	FTG 10 F E
OCD U/L :	A		API County :	25			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): I Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3984

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : 8100 Prpsd Frmtn : DRINKARD

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD :
OG6CLOG

ONGARD
C105-WELL COMPLETION OR RECOMP CASING LOG

06/10/96 15:18:18
OGOMES -EMG3

OGRID Identifier : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Identifier : 11045 NEW MEXICO L STATE
API Well Identifier : 30 25 32871 Well No : 16
Surface Locn - UL : 1 Sec : 1 Twp : 18S Range : 34E Lot Idn :
Multiple comp (S/M/C): S TVD Depth (Feet) : 8000 MVD Depth (Feet): 8000
Spud Date : 03-31-1995 P/A Date :
Casing/Linear Record:

S Size (inches)	Grade Weight (lb/ft)	Depth(ft) Top-Liner	Depth(ft) Bot-Liner	Hole Size (inches)	Cement (Sacks)	TOC (feet)	Code
8.625	24.0	0.0	1525.0	11.000	525		C
5.500	17.0	0.0	8000.0	7.875	1830		C

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

06/10/96 15:18:28
OGOMES -EMG3

API Well No : 30 25 32871 Eff Date : 05-03-1995 WC Status : S
Pool Idn : 62110 VACUUM;DRINKARD
OGRID Idn : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Idn : 11045 NEW MEXICO L STATE

Well No : 016
GL Elevation: 3984

U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
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B.H. Locn	: 1	1	18S	34E	FTG 1310 F N FTG	10 F E A
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Lot Identifier:

Dedicated Acre:

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

OGRID Idn : 22351 API Well No: 30 25 32009 APD Status(A/C/P): A
Opr Name, Addr: TEXACO EXPLORATION & PRODUCTION Aprvl/Cncl Date : 02-17-1994
205 EAST BENDER
HOBBS,NM 88240

Prop Idn: 11045 NEW MEXICO L STATE Well No: 15

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
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Surface Locn :	1	1	18S	34E			FTG 660 F N	FTG 510 F E
OCD U/L :			API County :	25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3992

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : 7950 Prpsd Frmtn : DRINKARD

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

OGRID Identifier : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Identifier : 11045 NEW MEXICO L STATE
API Well Identifier : 30 25 32009 Well No : 015
Surface Locn - UL : 1 Sec : 1 Twp : 18S Range : 34E Lot Idn :
Multiple comp (S/M/C): S TVD Depth (Feet) : 9999 MVD Depth (Feet): 9999
Spud Date : P/A Date :
Casing/Linear Record:

S Size	Grade Weight	Depth(ft)	Depth(ft)	Hole Size	Cement	TOC	
(inches)	(lb/ft)	Top-Liner	Bot-Liner	(inches)	(Sacks)	(feet)	Code
99.000	99.0	99999.0	99999.0	99.000	9999	99999	C

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

06/10/96 15:17:59
OGOMES -EMG3

API Well No : 30 25 32009 Eff Date : 03-23-1994 WC Status : A
Pool Idn : 62110 VACUUM;DRINKARD
OGRID Idn : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Idn : 11045 NEW MEXICO L STATE

Well No : 015
GL Elevation: 3992

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: 1	1	18S	34E	FTG 660 F N	FTG 510 F E	P

Lot Identifier:

Dedicated Acre: 40.36

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG6C101

ONGARD
C101-APPLICATION FOR PERMIT TO DRILL

06/10/96 15:17:09
OGOMES -EMG3

OGRID Idn : 22351 API Well No: 30 25 31131 APD Status(A/C/P): A
Opr Name, Addr: TEXACO EXPLORATION & PRODUCTION Aprvl/Cncl Date : 06-01-1991
205 EAST BENDER
HOBBS,NM 88240

Prop Idn: 11125 VACUUM GLORIETA WEST UNIT Well No: 115

	U/L	Sec	Township	Range	Lot	Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----	-----
Surface Locn :	1	1	18S	34E			FTG 604 F N	FTG 856 F E
OCD U/L :	A		API County :	25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): O Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 99999

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : Prpsd Frmtn :

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD :
OG6CLOG

ONGARD
C105-WELL COMPLETION OR RECOMP CASING LOG

06/10/96 15:16:50
OGOMES -EMG3

OGRID Identifier : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Identifier : 11125 VACUUM GLORIETA WEST UNIT
API Well Identifier : 30 25 31131 Well No : 115
Surface Locn - UL : 1 Sec : 1 Twp : 18S Range : 34E Lot Idn :
Multiple comp (S/M/C): S TVD Depth (Feet) : 99999 MVD Depth (Feet):
Spud Date : P/A Date :
Casing/Linear Record:

S Size (inches)	Grade Weight (lb/ft)	Depth(ft) Top-Liner	Depth(ft) Bot-Liner	Hole Size (inches)	Cement (Sacks)	TOC (feet)	Code
99.000	99.0	99999.0	99999.0	99.000	9999	99999	C

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

06/10/96 15:16:58
OGOMES -EMG3

API Well No : 30 25 31131 Eff Date : 03-21-1994 WC Status : A
Pool Idn : 62160 VACUUM;GLORIETA
OGRID Idn : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Idn : 11125 VACUUM GLORIETA WEST UNIT

Well No : 115
GL Elevation: 99999

U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
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B.H. Locn	: 1	1	18S	34E	FTG 999 F S FTG 999 F E	P
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Lot Identifier:

Dedicated Acre: 40.36

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD :
OG6C101

ONGARD
C101-APPLICATION FOR PERMIT TO DRILL

06/10/95
OGOMES

OGRID Idn : 22351 API Well No: 30 25 20937 APD Status(A/C/P) : A
Opr Name, Addr: TEXACO EXPLORATION & PRODUCTION Aprvl/Cncl Date : 04-07-1995
205 EAST BENDER
HOBBS,NM 88240

Prop Idn: 11045 NEW MEXICO L STATE

Well No: 7

U/L	Sec	Township	Range	Lot Idn	North/South	East/West
Surface Locn	: 1	1	18S	34E	FTG 760 F N	FTG 560 F E
OCD U/L	: A	API County : 25				

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C) : O Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I) : S Ground Level Elevation : 3991

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : Prpsd Frmtn : PLUGGED & ABANDONED

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CIP :
OCS CLOG

ONGARD
C105-WELL COMPLETION OR RECOMP CASING LOG

06/10/96 15:16:13
OGOMES -EMG3

OGRID Identifier : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Identifier : 11045 NEW MEXICO L STATE
API Well Identifier : 30 25 20937 Well No : 007
Surface Locn - UL : 1 Sec : 1 Twp : 18S Range : 34E Lot Idn :
Multiple comp (S/M/C): S TVD Depth (Feet) : 6750 MVD Depth (Feet): 6750
Spud Date : 03-03-1964 P/A Date : 04-07-1995
Casing/Linear Record:

S Size (inches)	Grade Weight (lb/ft)	Depth(ft) Top-Liner	Depth(ft) Bot-Liner	Hole Size (inches)	Cement (Sacks)	TOC (feet)	Code
11.750	42.0	0.0	1510.0	15.000	1000		C
8.625	24.0	0.0	3350.0	10.625	350		C

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMP : 5
OGRIWCM

ONGARD
INQUIRE WELL COMPLETIONS

06/10/96 15:16:22
OGOMES -EMG3

API Well No : 30 25 20937 Eff Date : 04-07-1995 WC Status : P
Pool Idn : 62160 VACUUM;GLORIETA
OGRID Idn : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Idn : 11045 NEW MEXICO L STATE

Well No : 007
GL Elevation: 3991

U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
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B.H. Locn	: 1	1	18S	34E	FTG 760 F N FTG 560 F E	A
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Lot Identifier:

Dedicated Acre:

Lease Type : S

Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O) :

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC

CMD
OG6C101

ONGARD
C101-APPLICATION FOR PERMIT TO DRILL

06/10/96 15:17:40
OGOMES -EMG3

OGRID Idn : 22351 API Well No: 30 25 31876 APD Status(A/C/P): A
Opr Name, Addr: TEXACO EXPLORATION & PRODUCTION Aprvl/Cncl Date : 02-17-1994
205 EAST BENDER
HOBBS,NM 88240

Prop Idn: 11125 VACUUM GLORIETA WEST UNIT Well No: 121

	U/L	Sec	Township	Range	Lot Idn	North/South	East/West
	---	---	-----	-----	-----	-----	-----
Surface Loch :	1	1	18S	34E		FTG 964 F N	FTG 90 F E
OCD U/L :			API County :	25			

Work typ(N/E/D/P/A) : N Well typ(O/G/M/I/S/W/C): I Cable/Rotary (C/R) : R
Lease typ(F/S/P/N/J/U/I): S Ground Level Elevation : 3986

State Lease No: Multiple Comp (Y/N) : S
Prpsd Depth : 6343 Prpsd Frmtn : GLORIETA/PADDOCK

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 PRINT	PF10 C102	PF11 HISTORY	PF12

CMD :
OG6CLOG

ONGARD
C105-WELL COMPLETION OR RECOMP CASING LOG

06/10/96 15:17:22
OGOMES -EMG3

OGRID Identifier : 22351 TEXACO EXPLORATION & PRODUCTION INC.
Prop Identifier : 11125 VACUUM GLORIETA WEST UNIT
API Well Identifier : 30 25 31876 Well No : 121
Surface Locn - UL : 1 Sec : 1 Twp : 18S Range : 34E Lot Idn :
Multiple comp (S/M/C): S TVD Depth (Feet) : 9999 MVD Depth (Feet): 9999
Spud Date : P/A Date :
Casing/Linear Record:

S Size (inches)	Grade Weight (lb/ft)	Depth(ft) Top-Liner	Depth(ft) Bot-Liner	Hole Size (inches)	Cement (Sacks)	TOC (feet)	Code
99.000	99.0	99999.0	99999.0	99.000	9999	99999	C

E0009: Enter data to modify record

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06 CONFIRM
PF07	PF08	PF09 COMMENT	PF10 TLOG	PF11	PF12

CMD :
OG6IWCM

ONGARD
INQUIRE WELL COMPLETIONS

06/10/96 15:17:29
OGOMES -EMG3

API Well No : 30 25 31876 Eff Date : 04-08-1994 WC Status : A
Pool Idn : 62160 VACUUM;GLORIETA
OGRID Idn : 22351 TEXACO EXPLORATION & PRODUCTION INC
Prop Idn : 11125 VACUUM GLORIETA WEST UNIT

Well No : 121
GL Elevation: 3986

	U/L	Sec	Township	Range	North/South	East/West	Prop/Act (P/A)
B.H. Locn	: 1	1	18S	34E	FTG 964 F N FTG	90 F E	P
Lot Identifier:							
Dedicated Acre:							
Lease Type	: S						
Type of consolidation (Comm, Unit, Forced Pooling - C/U/F/O)	:						

M0025: Enter PF keys to scroll

PF01 HELP	PF02	PF03 EXIT	PF04 GoTo	PF05	PF06
PF07	PF08	PF09	PF10 NEXT-WC	PF11 HISTORY	PF12 NXTREC